

core

School of Architecture & Design

Fall 2024 - Spring 2025

core

School of Architecture & Design



The mission of AIU's School of Architecture and Design is to educate students and the public in art and design, in addition to discovering and transmitting knowledge to make lasting contributions to a global society through critical thinking, scholarship, and innovation. The Core catalogue aims to highlight the School of Architecture and Design students' best outcomes. This volume covers the academic year 2024-2025 Interior Design and Graphic Design program outcomes.

Academic Year 2024 - 2025

ARD

01	ARD101: Basic Drawing	8
02	ARD102: 2D Art & Design	16
03	ARD103: 3D Art & Design	24
04	ARD250: Introduction to Urban Design	30
05	ARD301: Design Concepts	42
06	ARD450: Design Philosophy	46

ARH

01	ARH101: Art History: Ancient through Medieval	54
02	ARH102: Art History: Renaissance through Modern	62
03	ARH202: Islamic Art and Architecture	70

GRD

01	GRD100: Introduction to Visual Communication	78
02	GRD110: Typography I	90
03	GRD202: Graphic Design I	98
04	GRD205: Introduction to Animation	104
05	GRD206: Advertising Design	114
06	GRD210: Typography II	120
07	GRD221: Illustration I	128
08	GRD301: Introduction to Interactivity in Graphic Arts	136
09	GRD302: Graphic Design II	144
10	GRD305: Branding	152
11	GRD321: Illustration II	162

12	GRD331: History of Graphic Design	178
13	GRD402: Graphic Design III	186
14	GRD404: Packaging Design	192
15	GRD407: Information Design	198
16	GRD493: Special Topics	206
17	GRD496 Senior Design Project II	214

IDE

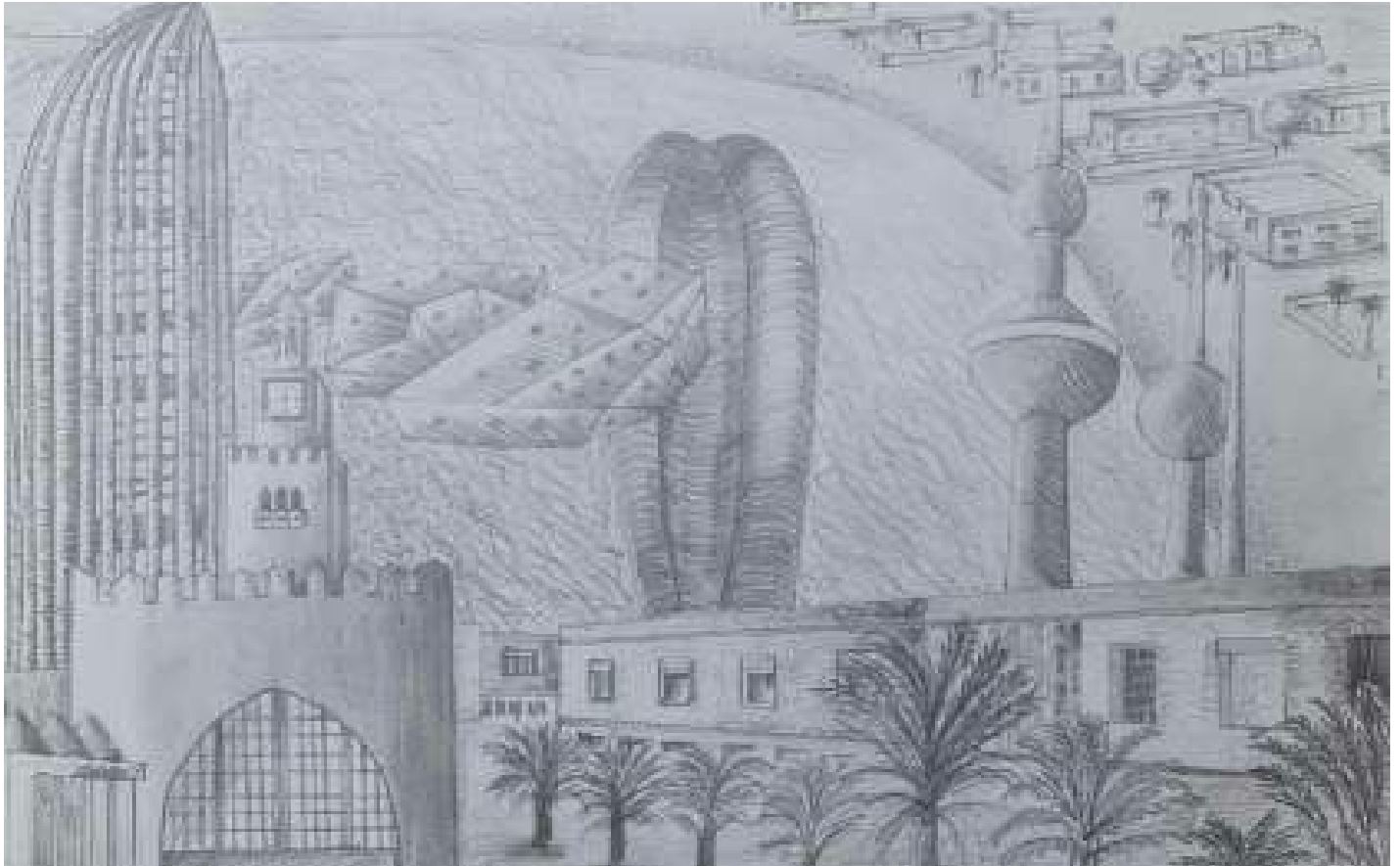
01	IDE100: Technical Drawing	220
02	IDE101: Architectural Drawing	226
03	IDE212: CAD II	238
04	IDE221: Interior Design Studio I	244
05	IDE301: Interior Perspective & Illustration	248
06	IDE321: Interior Design Studio III	264
07	IDE341: Furniture & Product Design	276
08	IDE404: Interior Architecture	286
09	IDE421: Interior Design Studio IV	292
10	IDE431: Building Construction Systems I	300
11	IDE441: Lighting Systems	312

ARD

Fall 2024 - Spring 2025

ARD101: Basic Drawing

Introduction to basic drawing skills such as linear perspective, light and shadow, use of dry and wet media, emphasis on composition. Drawing primarily still life subjects.



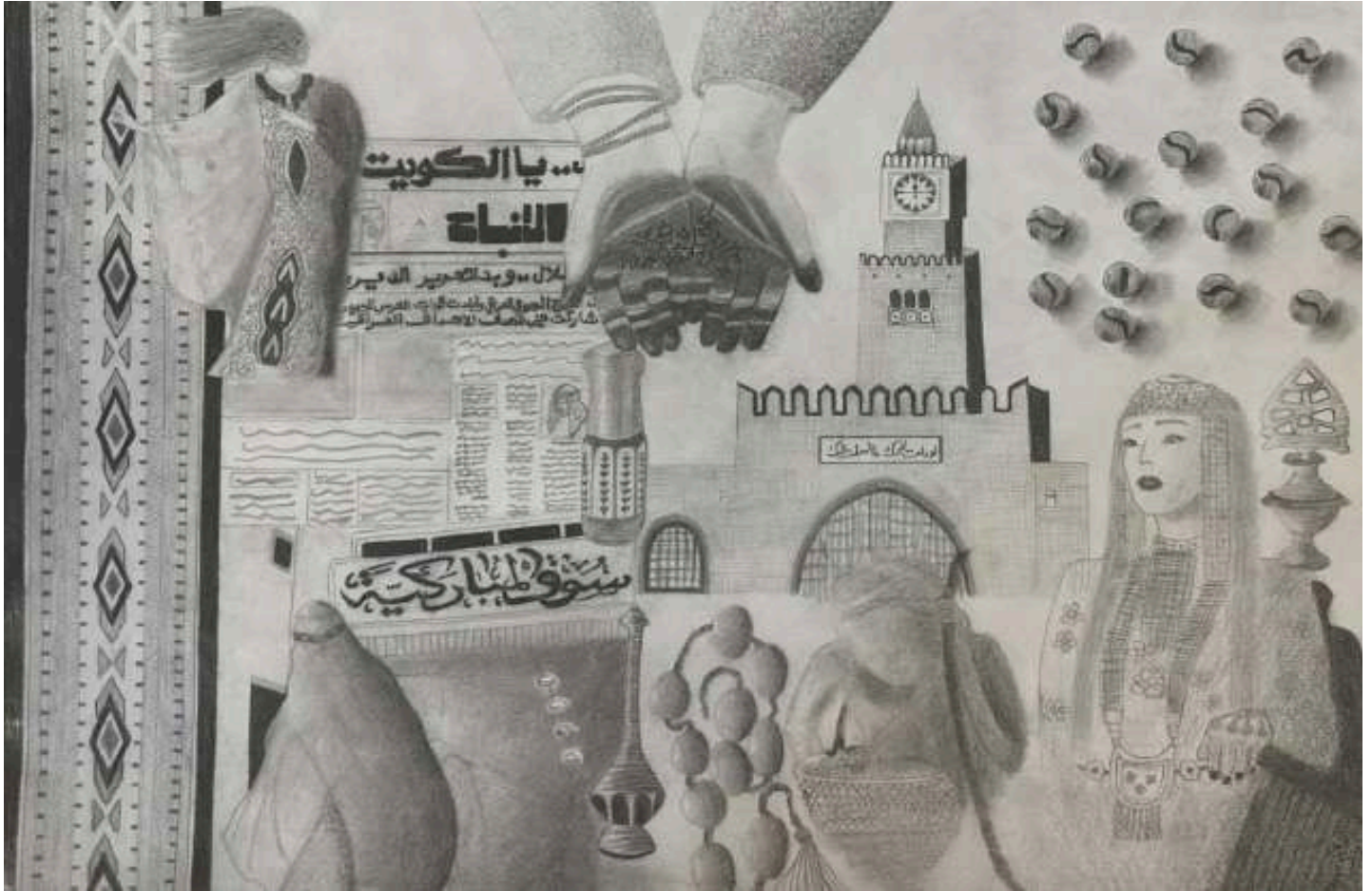
Ahmad Alrefaie - 201003613

Fall 2024



Fatma murd - 201005058

Fall 2024



Jana Al Awadhi - 201005300

Fall 2024



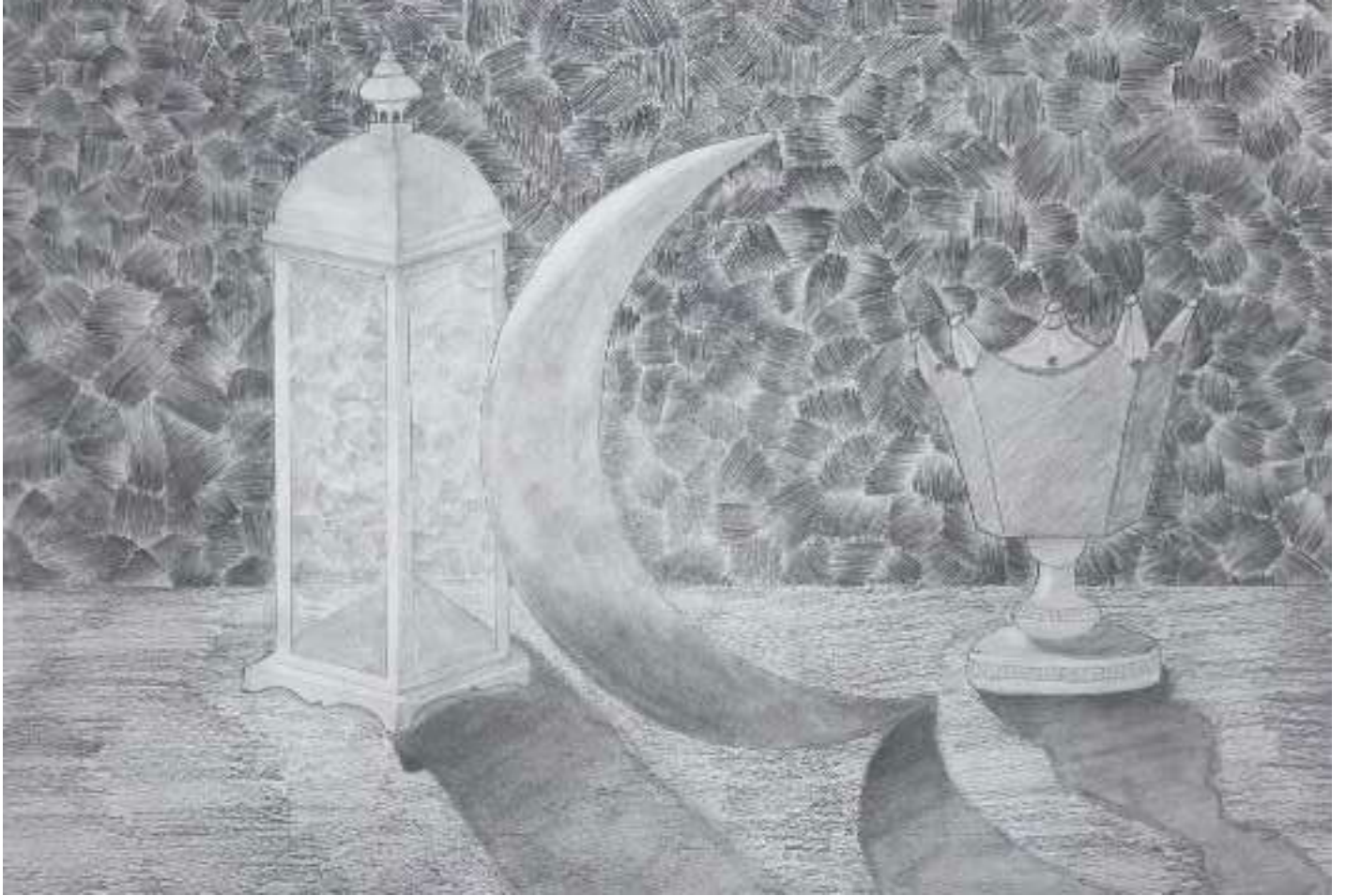
Montaha Al Hajeri - 201004869

Fall 2024



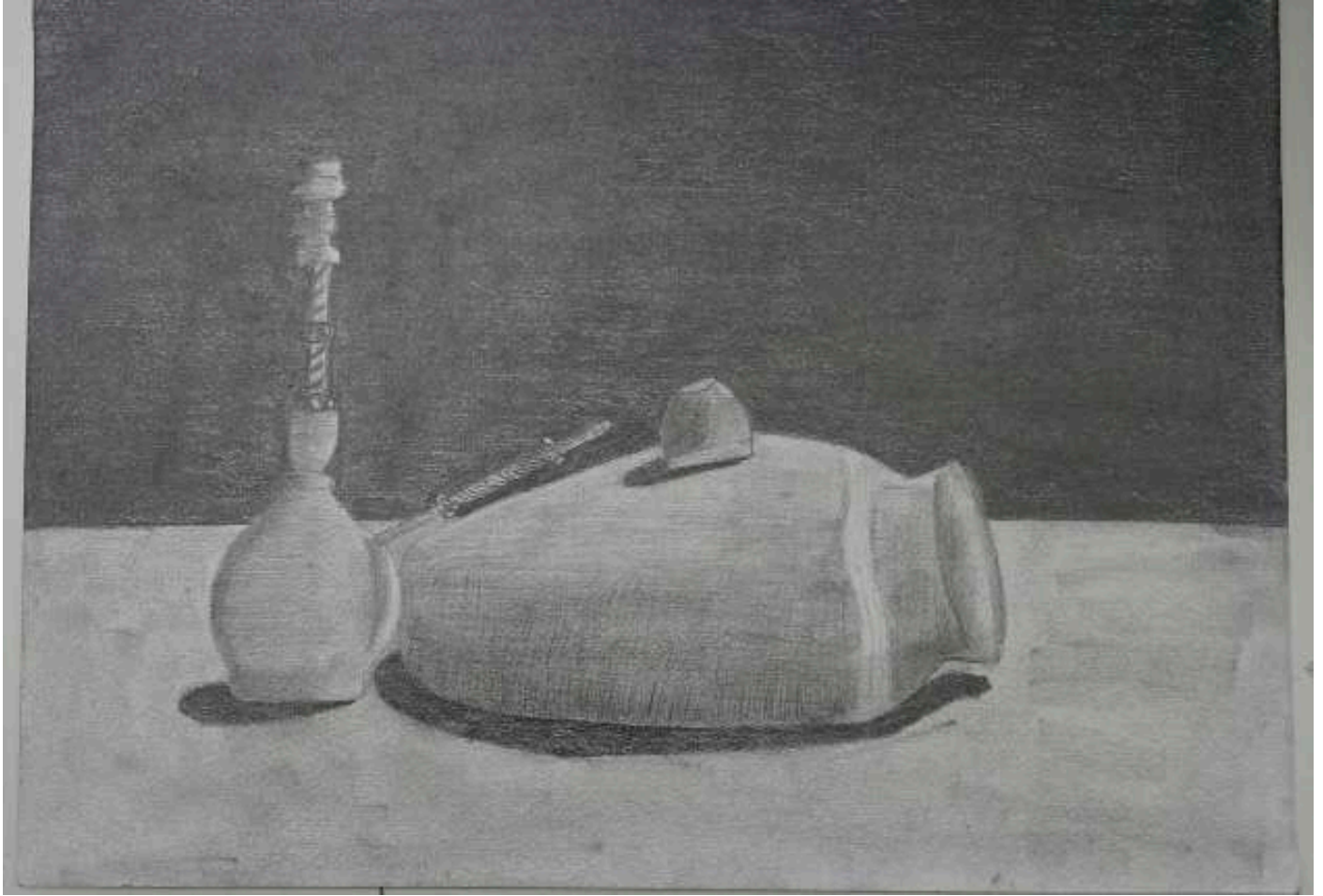
Maryam Khalifa - 201004953

Fall 2024



Anar Alshatti - 201005793

Spring 2025



Sabeekha Aldakheel - 201005684

Spring 2025

ARD 102 2D Art & Design

Core studio for visual communication in a spectrum of two- dimensional media and color theory. Explorations include elements and principles of design, basic digital technique, basic traditional material handling, creative thinking, critical discussion and problem solving.



Maryam Alkhlaifa - 201004953

Fall 2024



Suad Al Mohaini - 201005666

Fall 2024



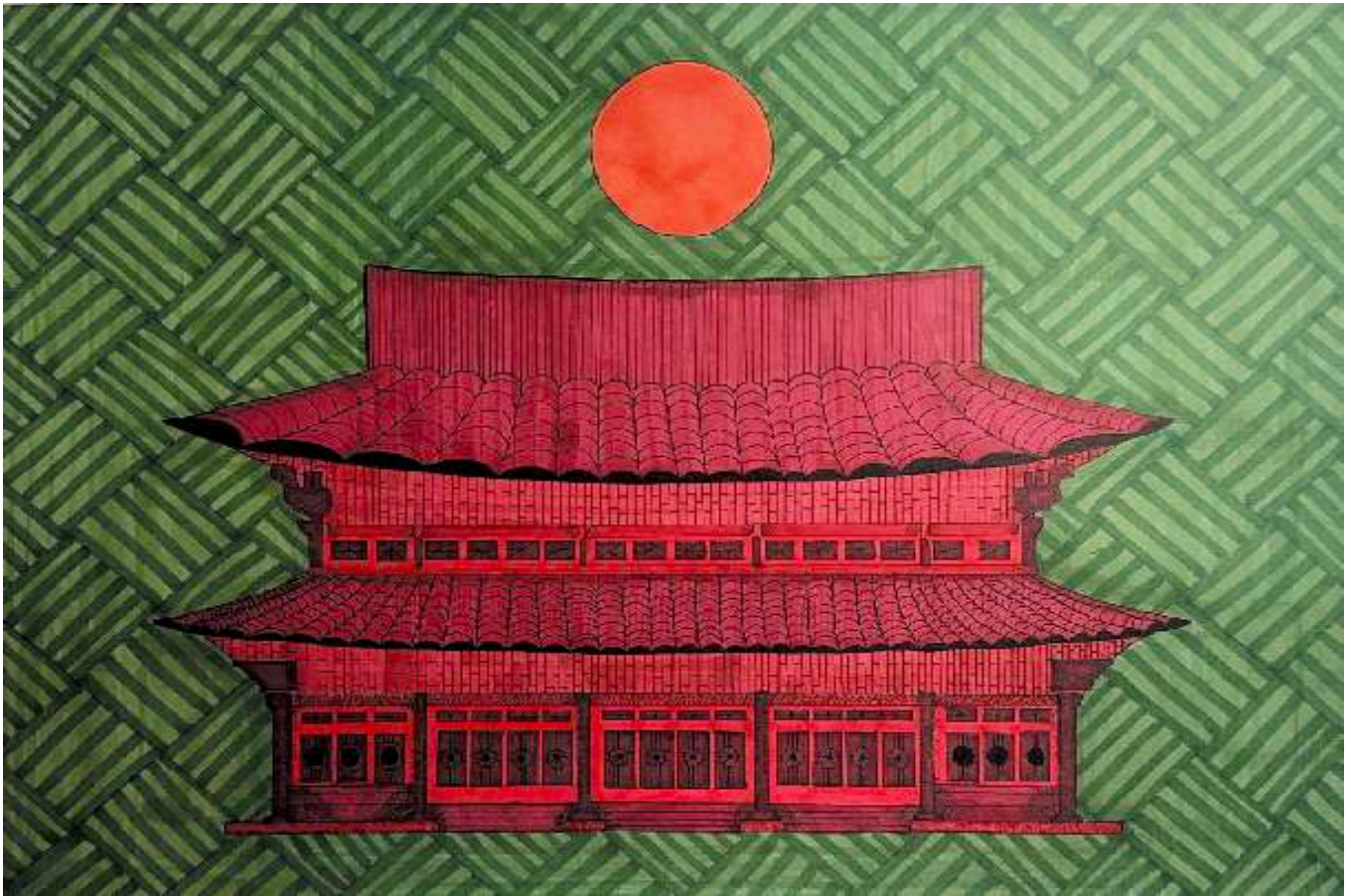
Rana Al Jassar - 201005074

Fall 2024



Suad Al Mohaini - 201005666

Fall 2024



Maryam Al Khulaifa - 201004953

Fall 2024



Lujain Alqassar - 201005392

Spring 2025

ARD103: 3D Art & Design

Core studio for visual communication in a spectrum of three-dimensional media and composition in the built environment. Explorations include elements and principles of design, basic digital techniques, material handling, shop experience, and creative problem solving.



Nourah Almutairi - 201004224

Fall 2024



Maryam Al Khulaifa - 201004953

Fall 2024



Sara Alobaid - 201004953

Fall 2024



Sabah Faras - 2010045688

Spring 2025



Wedad Alenizi - 201005219

Spring 2025

ARD250: Introduction to Urban Design

General Education: Social Science (SS)

This course examines both the structure of cities and the ways they can be changed. It introduces the students to theories about how cities are formed, and the practice of urban design and development, using national and international examples. The course deals with urban design in both existing and new areas, including models of urban analysis, contemporary theories of urban design and implementation strategies, supplemented by the illustration of methods of urban design practice. The course involves different urban analysis exercises and small-scale projects, which could deal with the design of a specific public space or the design of a "building gap" amid an existing urban fabric.



Case Study 1

Sky Garden, London

Designed by the Uruguayan architect Rafael Vinoly, 20 Fenchurch Street is commonly referred to as "Walkie-Talkie" due to its distinctive resemblance to a radio handset. Although not without its share of controversy, primarily because of its shape prominent position in the city skyline, it stands out as one of the few skyscrapers offering free public access. To gain entry to the Sky Green, a three-level observation deck, visitors need to make advance reservations.

The garden itself features semitropical trees and succulent plants that create a natural border around the bars, restaurants, and expensive walkways spanning the 35th, 36th, and 37th floors. Among the flowering plants, you can admire African Lilies, Red Hot Pokers, and Birds of Paradise, accompanied by aromatic herbs, particularly French Lavender.



Case Study 2

Pedestrian Only Streets: Stroget, Copenhagen

Until 1962, all the streets and squares of central Copenhagen were used intensively for vehicle traffic and parking, and were under pressure from the rapidly growing fleet of private vehicles.

The pedestrianization of Copenhagen began with the city's main street, Stroget, which was converted in 1962 as an experiment. The conversion of the 1.15 km long main street into a pedestrian street was seen as a pioneering effort, which gave rise to much public debate before the street was converted. "Pedestrian streets will never work in Scandinavia" was one theory. "No cars means no customers and no customers means no business", said local business owners.

Location: Central Copenhagen, Denmark
Population: 0.5 m
Width: 19 m
Length: 1.15 km
Height of Way: 10 - 12 m
Context: Mixed Use (Residential / Commercial)
Maintenance: Several repaving since 1963

The successful pedestrianization of streets in Copenhagen can be attributed in part to the incremental nature of change, giving people the time to change their patterns of driving and parking into patterns of cycling and using collective transport to access key destinations in the city in addition to providing time to develop ways of using this available public space.



REDESIGN THE AL QASHANIYAH – ABDALI

REDESIGN THE AL QASHANIYAH – ABDALI URBAN PROPOSAL

- Block 1
- Block 2
- Block 3
- Block 4
- Block 5
- Block 6

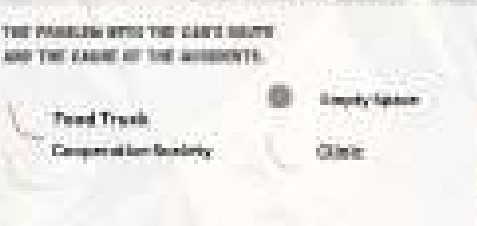


- Commercial
- Residential
- Empty Space
- Main Street
- Internal streets
- Old Road
- Parking



DEVELOPMENT THE URBAN PROPOSAL

THE PARALLEL WITH THE CAR'S ROUTE AND THE ASPECT OF THE INCIDENTS.





THE URBAN ISSUES IN ABDALI

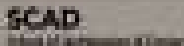
Al Qashaniyah area in Kuwait, like other areas of Kuwait, faces significant climate challenges characterized by high temperatures, making the consideration of sustainable solutions essential.



THE SUSTAINABLE SOLUTIONS

- Green spaces:** They help cool the area and improve air quality.
- Solar panels:** Reduce reliance on non-renewable energy and decrease carbon emissions.
- Green roofs:** Provide natural insulation for buildings and aid in groundwater management.



Final Project
Introduction to Urban Design - 2023/24
SECTION 2
By: Mahmoud Elwan

Page: Alsharian
201000641

AL RAI, KUWAIT



CASE STUDY



CHEONGGYECHON STREAM RESTORATION IN SEOUL, KOREA

BEFORE ITS RESTORE, CHEONGGYECHON WAS A NEGLECTED, DIRTY STREAM HIDDEN BENEATH AN ELEVATED HIGHWAY THAT INFLICTED DAMAGE ON THE ENVIRONMENT AND CAUSED EXTREME TRAFFIC JAMS. SEOUL STARTED A PROJECT IN 2003 TO DIG UP AND CLEAN UP THE STREAM, REMOVE THE HIGHWAY, AND BUILD AN URBAN PARK SPANNING 5.5 KILOMETERS. THIS CHANGE GREATLY RAISED THE STANDARD OF LIVING FOR LOCALS BY IMPROVING THE AIR QUALITY, ENHANCING BIODIVERSITY, STIMULATING THE LOCAL ECONOMY THROUGH INCREASED TOURISM, AND CREATING A LIVELY PUBLIC AREA.



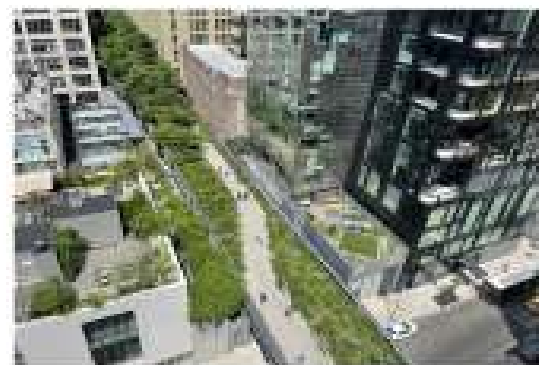
TIMES SQUARE TRANSFORMATION NEW YORK, AMERICA

BEFORE ITS TRANSFORMATION, TIMES SQUARE WAS NOTORIOUS FOR HEAVY TRAFFIC, PEDESTRIAN CONGESTION, AND A LACK OF PUBLIC SPACE. IN 2009, NEW YORK CITY LAUNCHED A PROJECT TO CLOSE PARTS OF BROADWAY TO VEHICULAR TRAFFIC, CONVERTING THE AREA INTO PEDESTRIAN PLAZAS. THIS TRANSFORMATION REDUCED TRAFFIC ACCIDENTS, IMPROVED AIR QUALITY, BOOSTED LOCAL BUSINESSES THROUGH INCREASED FOOT TRAFFIC, AND PROVIDED A VIBRANT, ACCESSIBLE PUBLIC SPACE, SIGNIFICANTLY ENHANCING THE EXPERIENCE FOR BOTH RESIDENTS AND TOURISTS.



THE HIGH LINE IN NEW YORK CITY

IS A 1.48-MILE ELEVATED PARK CREATED FROM A FORMER RAIL LINE, BLENDING INDUSTRIAL HERITAGE WITH NATURAL LANDSCAPING. DESIGNED BY JAMES CORNER FIELD OPERATIONS, LANDSCAPING + RELAND, AND JET OUTSIDE, IT FEATURES PEDESTRIAN PATHS, GARDENS, SEATING AREAS, AND ART INSTALLATIONS. IT SERVES AS A COMMUNITY HUB, PROMOTING SUSTAINABILITY WITH OVER 250 PLANT SPECIES AND BOOSTING CONNECTIVITY BETWEEN NEIGHBORHOODS. THE PROJECT HAS ATTRACTED 8 MILLION ANNUAL VISITORS, SPURRED REDEVELOPMENT IN NEARBY INVESTMENTS, AND INCREASED PROPERTY VALUES, DESPITE ITS HIGH INITIAL COSTS AND ONGOING MAINTENANCE CHALLENGES.





VISUAL ANALYSIS - HATEEN



- Residential Area
- Commercial Area
- Empty Space Area
- Education Area
- Mosque

Block 2 Analysis:

As shown on the map, Block 2 features landscaping, primary walking paths, parks and playgrounds. The absence of outdoor spaces makes it difficult for residents to engage in physical activity or enjoy fresh air. A public walking area was created that was later demolished to make room for more primary.

Urban Development Proposal:

I suggest creating a large, multi-functional outdoor space in Block 2, designed for easy access by local residents on each island. This area could feature improved walking and jogging paths, ball-pitches, picnic areas, playgrounds, and community gathering spaces. The goal is to cultivate a vibrant and welcoming public space that promotes well-being, social interaction, and neighborhood unity.

Visuals:



Case Studies:

New York City's High Line is an elevated linear park and public space repurposed from a former rail bed track. It seamlessly integrates preserved rail lines with modern walkways, gardens, seating areas, and art installations. Serving as a major hub for recreation, it stands as a prime example of urban reuse and innovative adaptive design.

Copenhagen's Superkilen Park is a vibrant public space designed to celebrate diversity and community. It's divided into three distinct zones: the Red Superkilen, the Black Superkilen, and the Green Superkilen. It features global design elements, including sculptures, fountains, and playground equipment inspired from over 50 countries. This dynamic public space promotes cultural exchange.



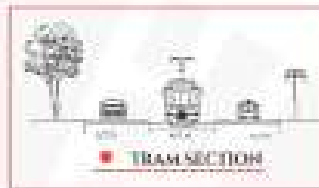
ALUJ | **ALUJ** | **ALUJ**
by Fajer Al Duaij

SCAD
School of Architecture
© 2025 SCAD

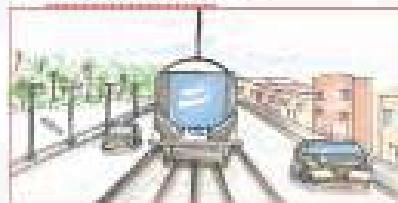
Mishref tram railways

CAUSE

Here in the Mishref area, and it is one of the very beautiful areas. Because of that interest in growing it in this area. There is a problem that affects many people from the region and from abroad. This is what our first problem began. When traffic congestion begins and the companies and cars to the area are closed. Also, there is overcrowding mode the area caused by difficulty within the area. Also, it is not huge the difficulty of employees getting to work because it is not convenient to pass inside the area.



MISHREF MAIN STREET



FREIBURG, GERMANY

- In the 1880s, Freiburg relied heavily on cars, leading to congestion and pollution.
- During the 1970s, the city began expanding its tram network and integrating health care and cycling infrastructure.
- By 2010, car usage dropped from 70% to 25%, while walking, cycling, and public transport use increased significantly.

MISHREF PARK



SOLUTION

One of the proposed solutions is to have tram railways serving the entire area from the outside and from the inside. This may contribute to reducing the number of cars in the area and making it easier to reach their work within the area without having to make long distances in the hot summer. I also noticed that the residents of the area do not frequent Mishref Public Park, despite their constant change of restaurants and activities, so I decided to make the park by providing a tram station in the middle, which will make movement in it easier. Among the proposals is separating the street from the Mishref park to reduce pressure on the space, so in the end, I placed a tram station that contributes to changing the discipline in the area and increases its beauty. From here we see the importance and rejection of Tram railways in all regions of the country.

LONDON HYDE PARK

Placing streets throughout Hyde Park helped solve several problems, primarily related to transportation, accessibility, and public safety.

1. "Improved Traffic Flow" - Before streets were added, Hyde Park was a large open space that could be difficult to navigate. Its new allowed for better movement of people, carriages, and horse-drawn carriages, reducing congestion in surrounding areas.
2. "Enhanced Accessibility" - The streets provided direct routes through the park, making it easier for pedestrians and vehicles to access without needing to go around it.
3. "Better Safety and Security" - With designated roads and pathways, movement became more organized, reducing accidents and creating a safer environment for both pedestrians and riders.
4. "Encouraged Public Use" - Street access to all areas parts of the park encouraged more people to visit, promoting recreation and social activities.
5. "Facilitated Urban Planning" - The streets helped integrate the park into the surrounding city layout, supporting the development of nearby roads and improving overall infrastructure.



IDEAS IMPLEMENTATION

Sustainable Design



final Mishref tram railways project

THE STATION SECTION



This plan illustrates the traffic flow diagram between cars and the tram, as well as the proper circulation in part of Block 5 in Mishref, alongside the railway that attracts many residents from the area and beyond.

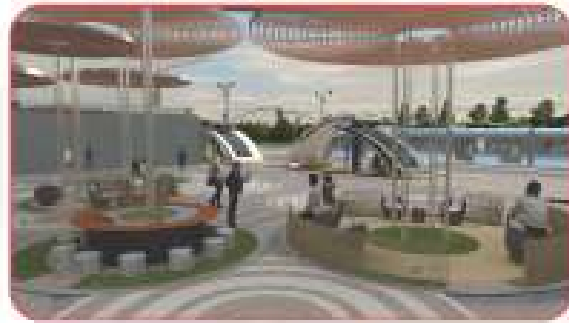
SOLAR PANELS IN TRAM STATION



TOP VIEW OF ADJACENT MAIN STREET

MAIN STATION MODELS

This design illustrates the actual distances between the tram tracks, the car road, the bike lanes, and pedestrian paths. It also shows the main train station in the area, which operates on advanced renewable solar energy. The presence of multiple modern transportation methods supports the concept of sustainability in architecture. Additionally, the design highlights the idea of rooftop farming on the main train station building in Mishref, which was inspired by the concept of urban sustainability in Oslo, Norway.



AKD 001 - introduction to Urban Design - Semester 02

Dr. Amrour Elmer
Urban Design Instructor

Lamyaa Abdelredha
BU202006002

AIU

AMERICAN
INTERNATIONAL
UNIVERSITY

SCAD

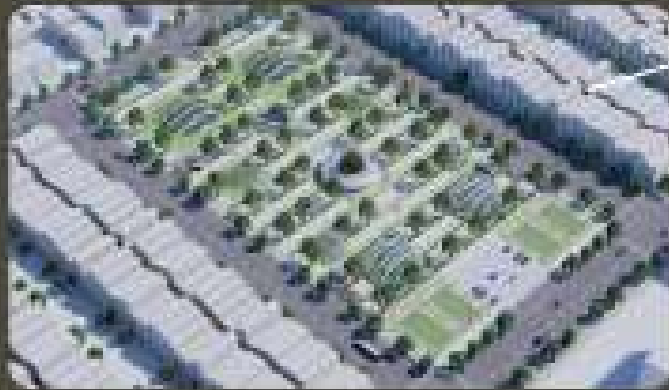
School of Architecture & Design

School of Architecture & Design

Bachelor of Fine Arts in Interior Design

Recreational Park

Fahaheel, Block 10



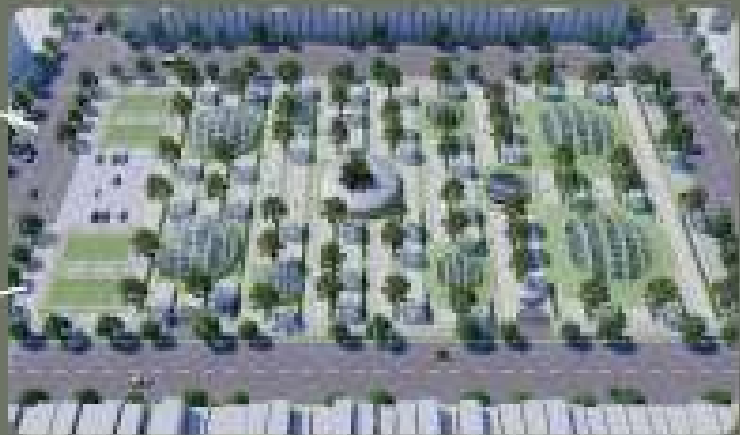
Green House domes

- Year round growing
- Energy Efficiency
- Strong Structure
- Water Conservation
- Sustainable Living



Tennis Courts

- Full body workout
- Cardiovascular Health
- Mental focus
- Great medicine
- Living goal



SCAD
School of Architecture & Design

Moneera AlDabbouous
201004661

ARD 200 - Introduction
to Urban Design

Moneera Al Dabbouous - 201004661

Spring 2025

ARD301: Design Concepts

Intended for the student who is entering the design field and requires an understanding of brand identity development, design thinking, and product line development.

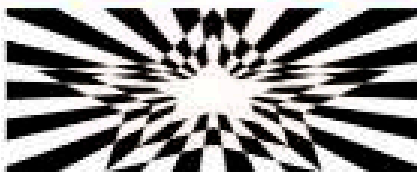
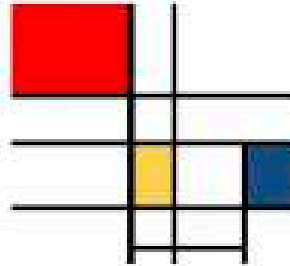
CONVERSE ➔

DE STIJL MOVEMENT:

The De Stijl movement, founded in 1917 by Theo van Doesburg and Piet Mondrian, emphasized geometric forms, primary colors (red, yellow, blue), and black and white to achieve harmony through abstraction, influencing modern architecture and design.

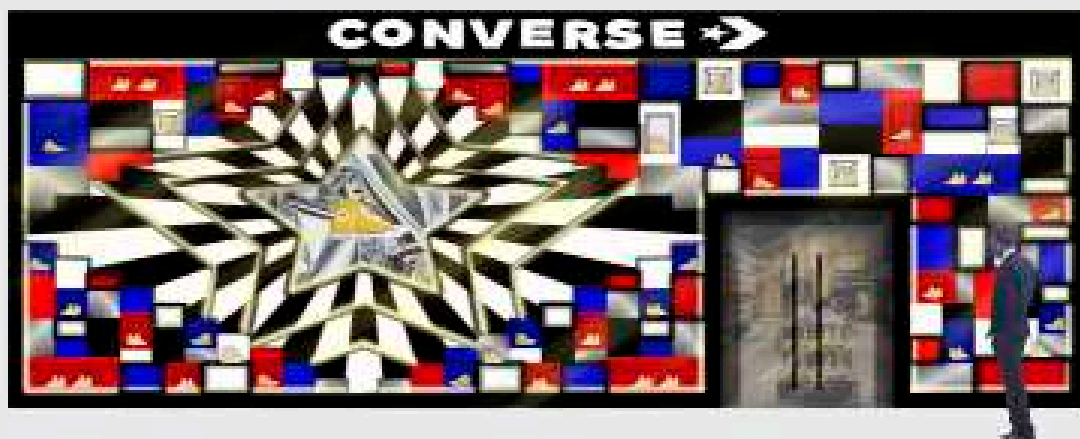
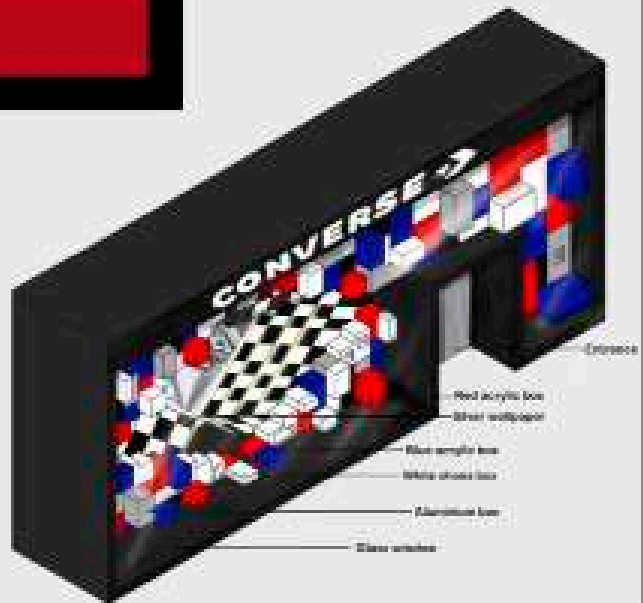
Converse brand:

Converse, founded in 1908, is known for its iconic "Chuck Taylor All Star" shoe, a timeless staple since the 1920s. It joined Nike in 2003, blending classic style with modern innovation.



Concept statement:

The concept seamlessly draws inspiration from the De Stijl movement, blending Converse's brand with a central star design. Bright primary colors and clear geometric shapes create a bold and balanced look, combining simplicity with a modern style while highlighting the brand's unique spirit.



AIU AMERICAN INTERNATIONAL UNIVERSITY

SCAD School of Architecture & Design

Student name: Salem Aldakhil
Student ID: 201001227

BOTTEGA VENETA

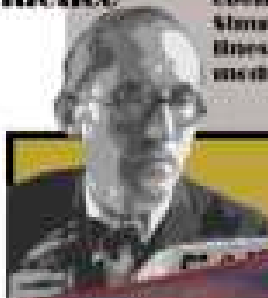
Concept

floating above the ground inspired by Le corbusier's use of open spaces and elevated designs on columns and cubism's fragmented elements.



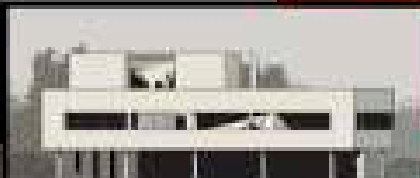
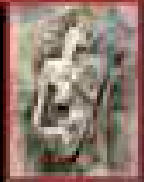
Le corbusier Influence

open, flexible spaces. straightly, clean straight lines, sharp edges modular, modernist.



Cubism Influence

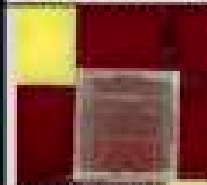
Geometric, fragmented forms, multiple perspectives, abstract.



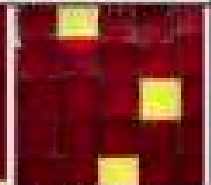
the boxes idea was inspired by villa savoye as he used cubicle form and made it float by placing them on columns

he also used red cubicle of cubism

Elements & materials



transparent glass cube inside it bottega veneta red has best seller in 2024

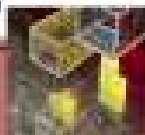


illuminated yellow cubes made of yellow glass



Modern materials

reflective floor



red cubes



made of glass



made of reflective area aluminum

the reflection materials emphasizes the concept of floating in the design



Moneera Al Dabbouous - 201004661

Spring 2025

ARD 450 Design Philosophy

introduction to the fundamental philosophical issues raised by the contemporary practice of design. This course explores central issues about the nature of design and its products, and the rationality of design methods. Also, explores the key issues for design, including: the place of aesthetics in design; design's relation to personal expression; the meaning of function; and design's relation to consumerism. The social responsibility of designers, and the impact of design practice on ethical reasoning are also discussed.



Joud Alholi - 201001115

Fall 2024



Fatemah Almazyad - 201001228

Fall 2024



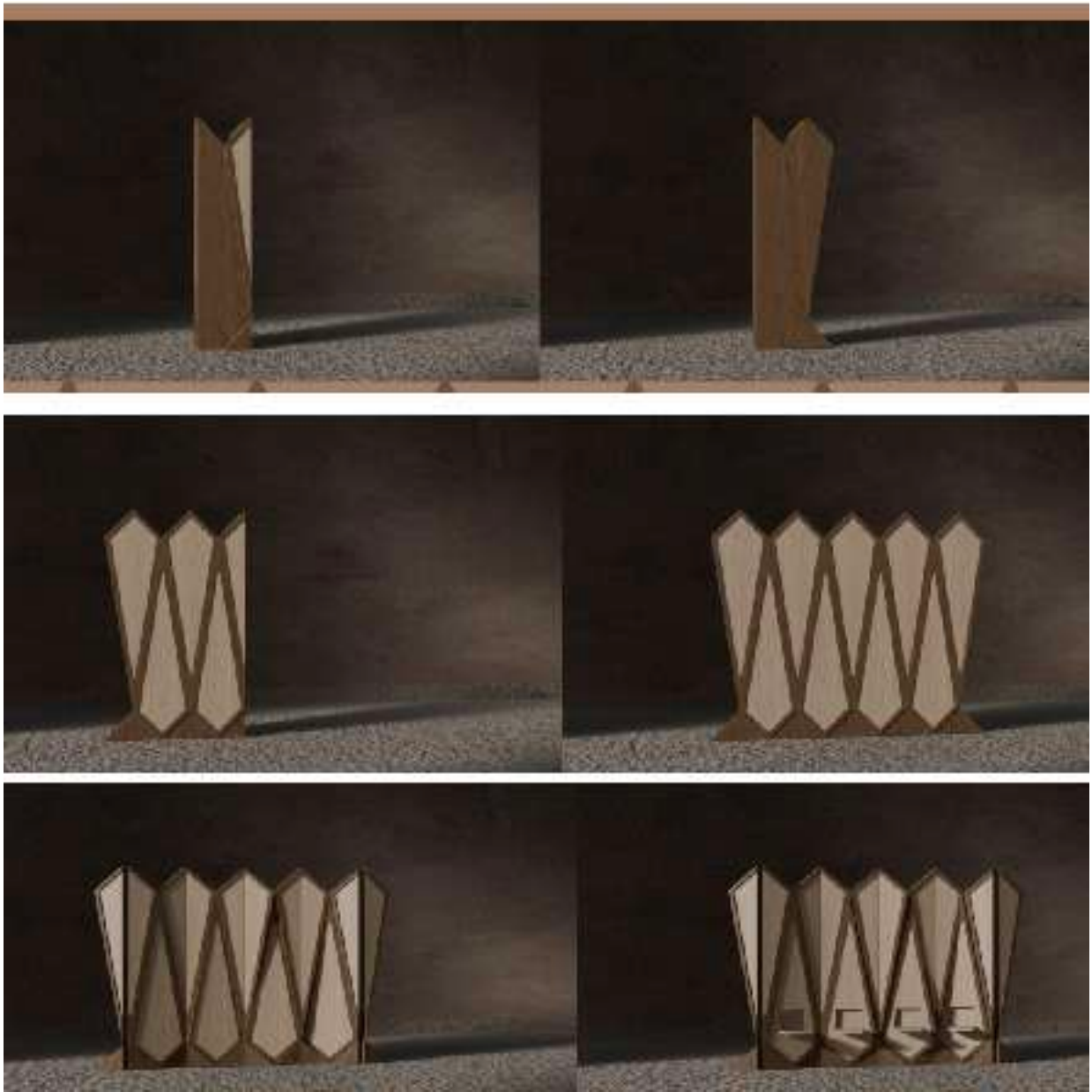
Noura Al-Raoudan - 201001084

Fall 2024



Dana Almutairi - 201001713

Spring 2025



Dania Alfahad - 201001009

Spring 2025

ARH

Fall 2024- Spring 2025

ARH101: Art History Ancient through Medival

Survey of traditions and major developments in viaual expression in the West, prehistory through medieval period. Art studied in the context of its cultuers techniques of visual analysis



Shah Mahdi - 201000470

Fall 2024



Amnah Al Rashed - 201004261

Fall 2024



Maryam Al Mutairi - 201003594

Fall 2024



Jana Alawadhi - 201005300

Spring 2025



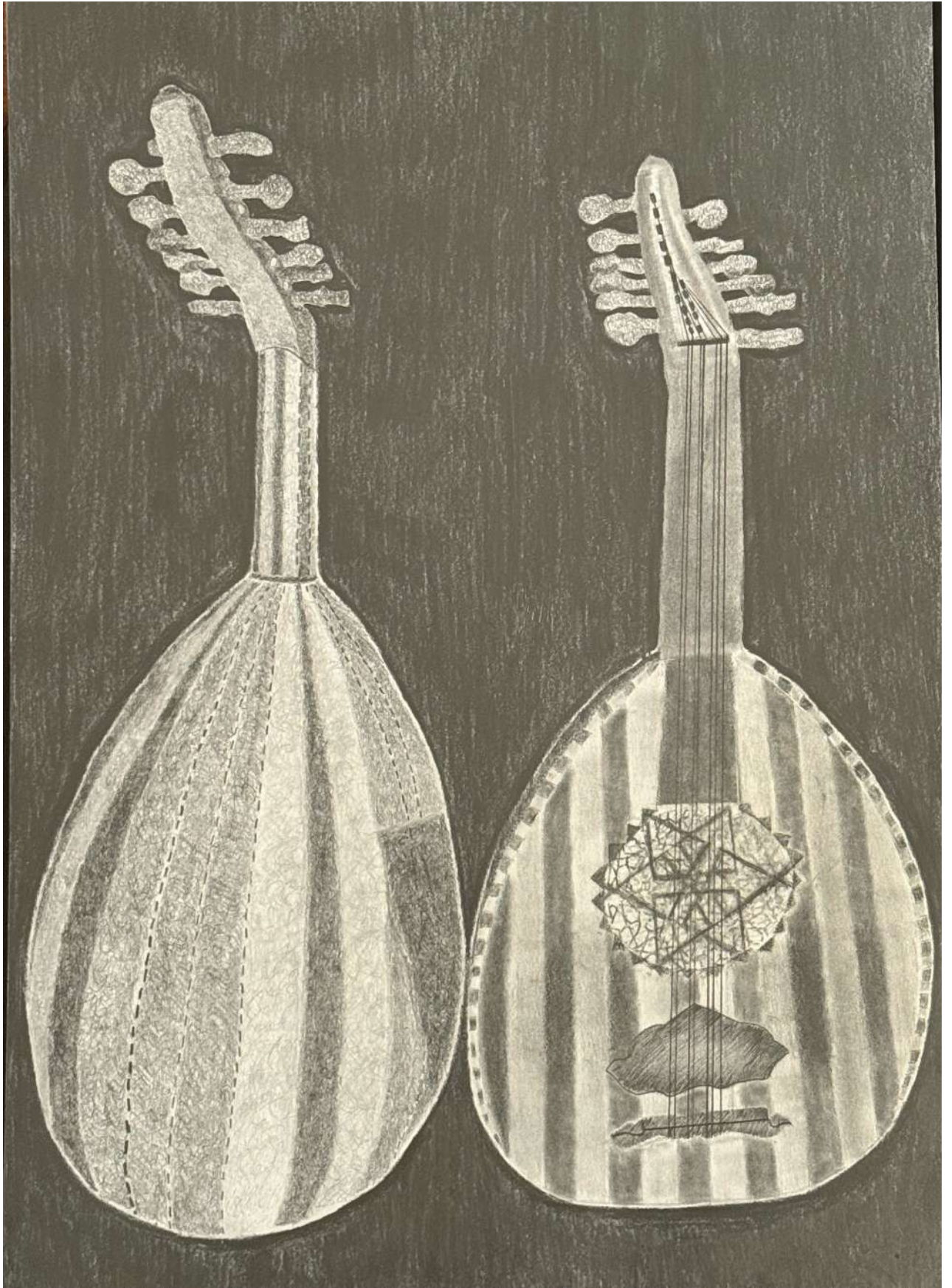
Rana Aljassar - 201005074

Spring 2025



Shorouq Aljassar - 201002787

Spring 2025



Wedad Alenezi - 201005219

Spring 2025

ARH102: Art History Renaissance Through Modern

Traditions and developments in visual expression in the West, Renaissance through twentieth century. Art in context of its cultures; techniques of visuals analysis.



Aryam Nawaf- 201001609

Fall 2024



Shahad Al-Faqaan - 201003125

Fall 2024



Mariam Hussain - 201002925

Fall 2024



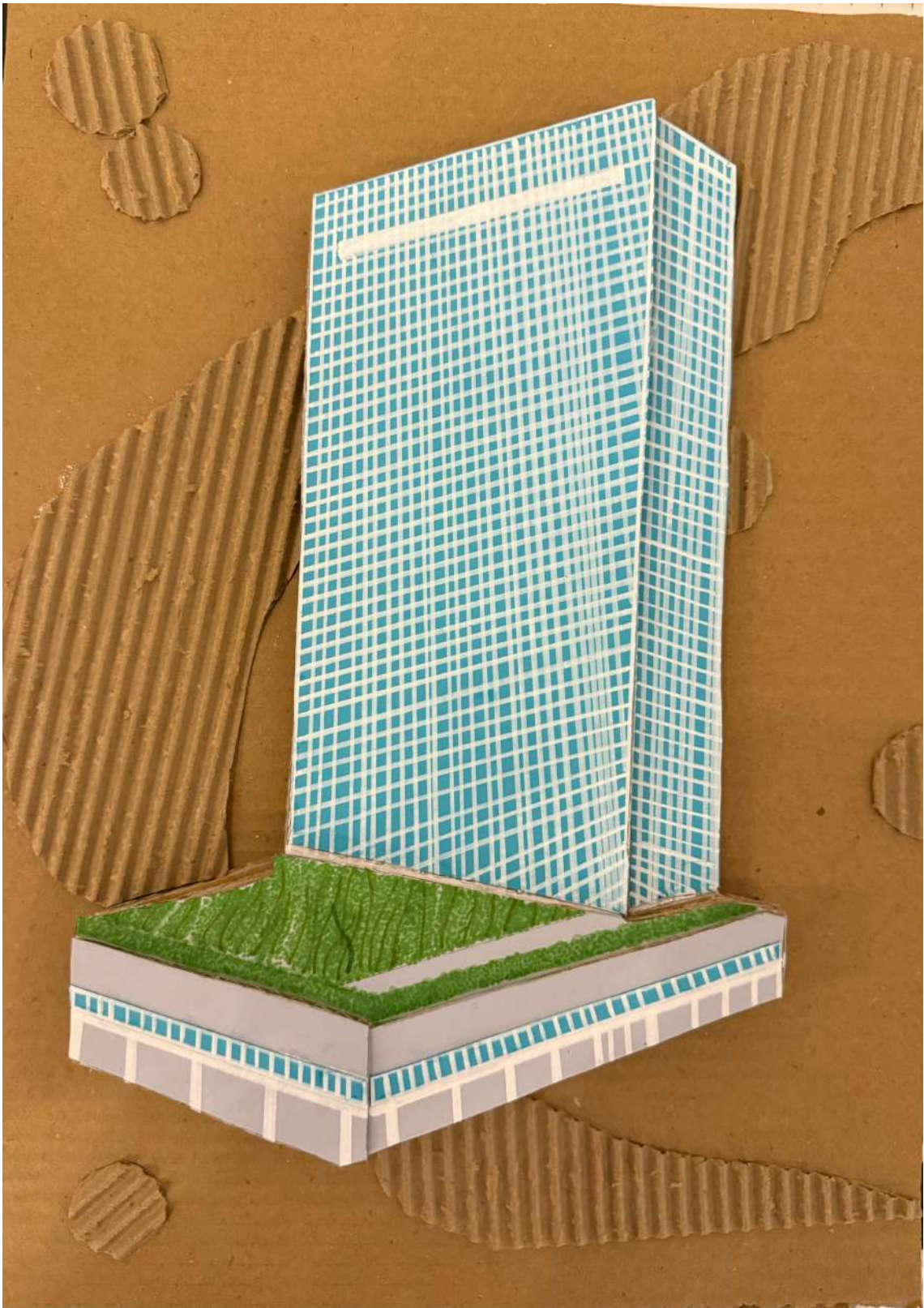
Kawthar Alhaider - 201003238

Spring 2025



Dalal Almutairi - 201000354

Spring 2025



Bader Alqaisi - 201003968

Spring 2025

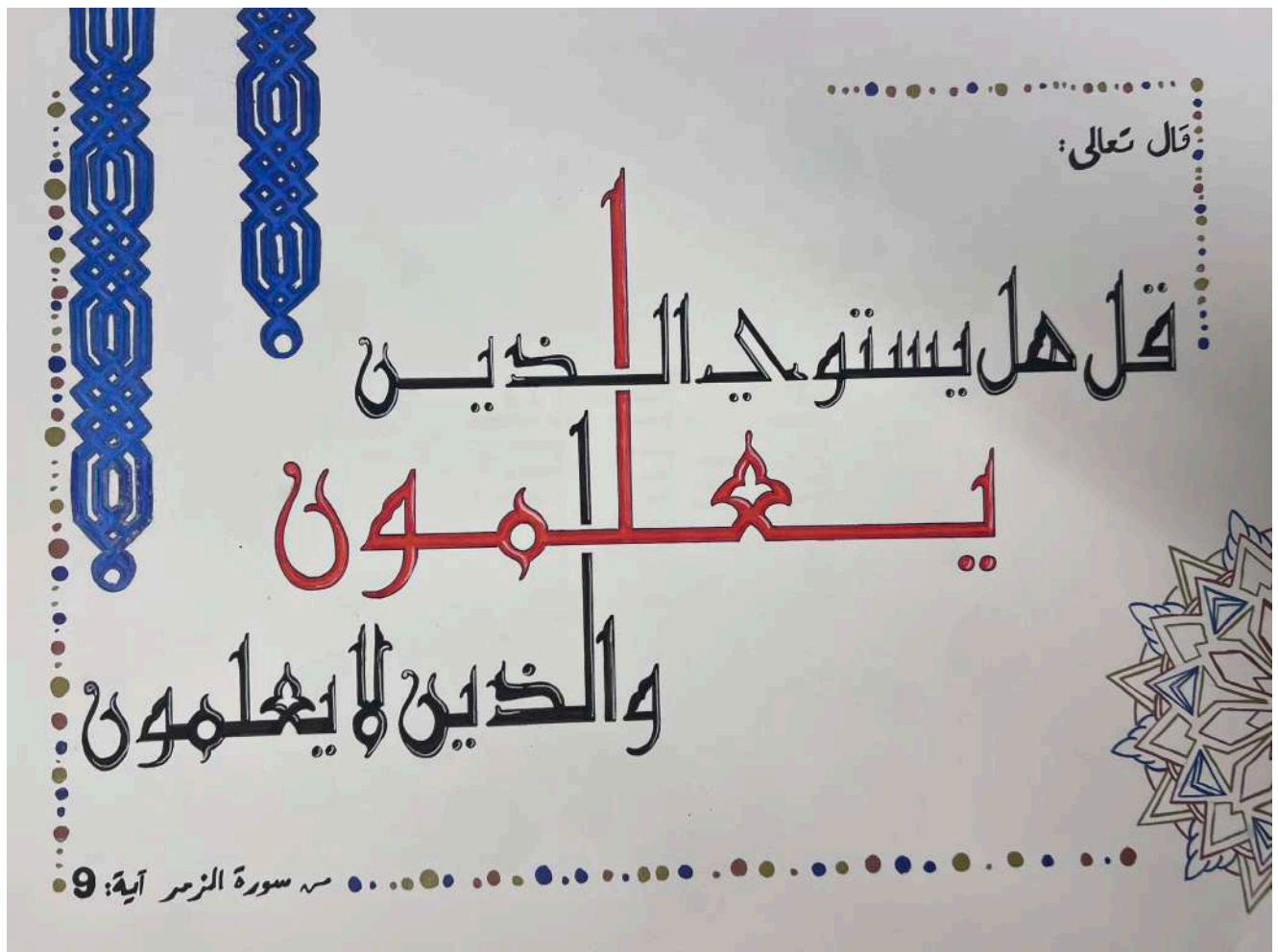


Ghaya Alansari - 201003968

Spring 2025

ARH202: Islamic Arts & Architecture

Survey of arts and architecture of Islam from its origins in the seventh century to the Ottoman Empire



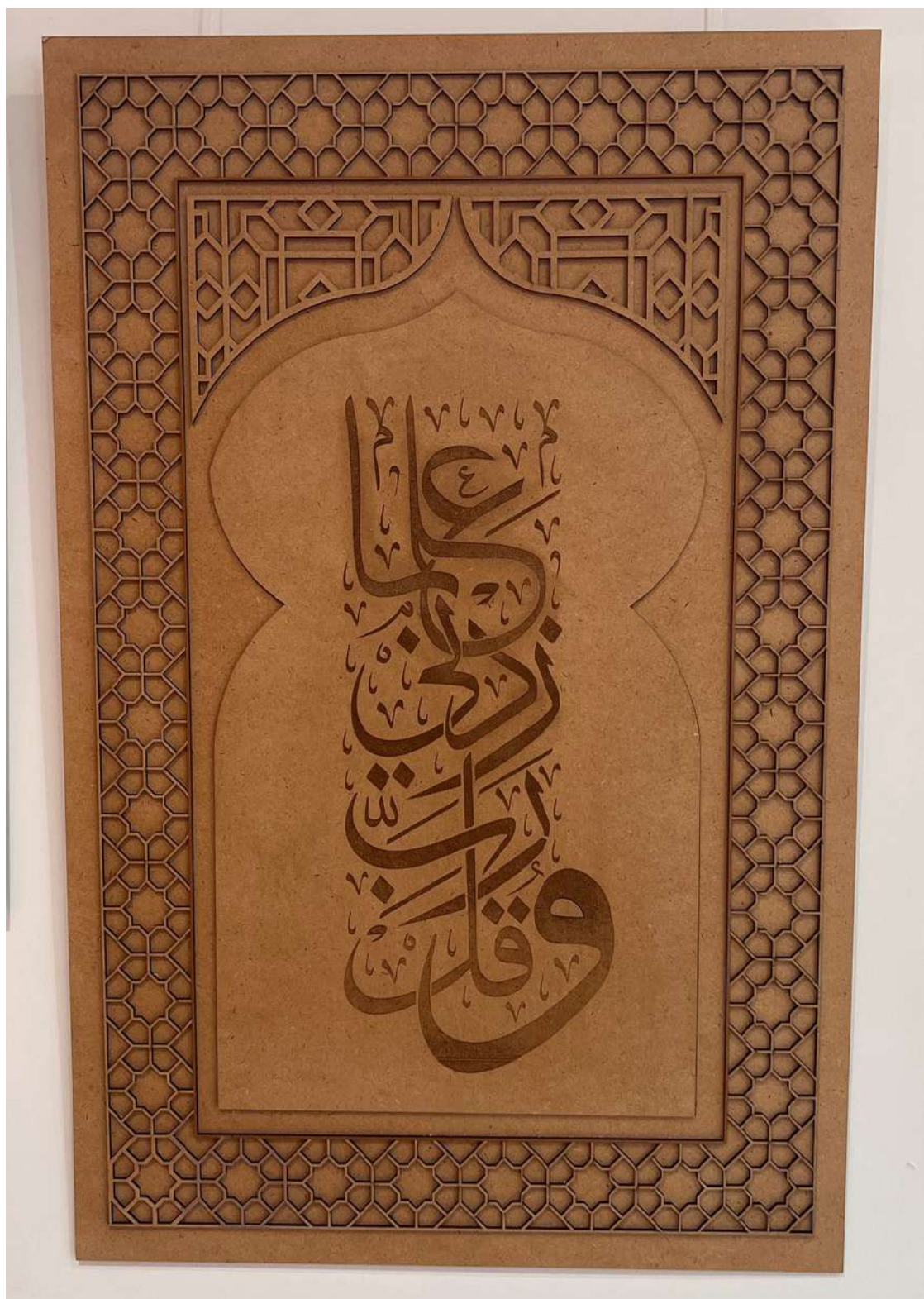
Sarah Shareef - 201003222

Fall 2024



Aljawharah Aljabbari - 201003180

Fall 2024



Aseel Darweesh - 201003226

Fall 2024



Shadan Alfahad - 201003926

Spring 2025



Fatema Esa - 201004960

Spring 2025

GRD

Fall 2024 - Spring 2025

GRD100: Introduction to Visual Communication

This course provides an introduction to visual literacy by considering the fundamentals of visual communication to viewers. the contributions, ethics and methods of visual communicators will be explored by analyzing examples in a variety of visual forms, including prints, graphics, illustrations, photographs, and computer imagery.



Albandari Almajdi - 201003196

Fall 2024



Jana Alawadhi - 201005300

Fall 2024



Jana Alawadhi - 201005300

Fall 2024



Maryam Khalifa - 201004203

Fall 2024



Sabah Faras - 201005688

Fall 2024



Amna Awadhi - 201004987

Fall 2024



Amna Awadhi - 201004987

Fall 2024



Amna Awadhi - 201004987

Fall 2024



Janna Awadhi - 201005300

Spring 2024

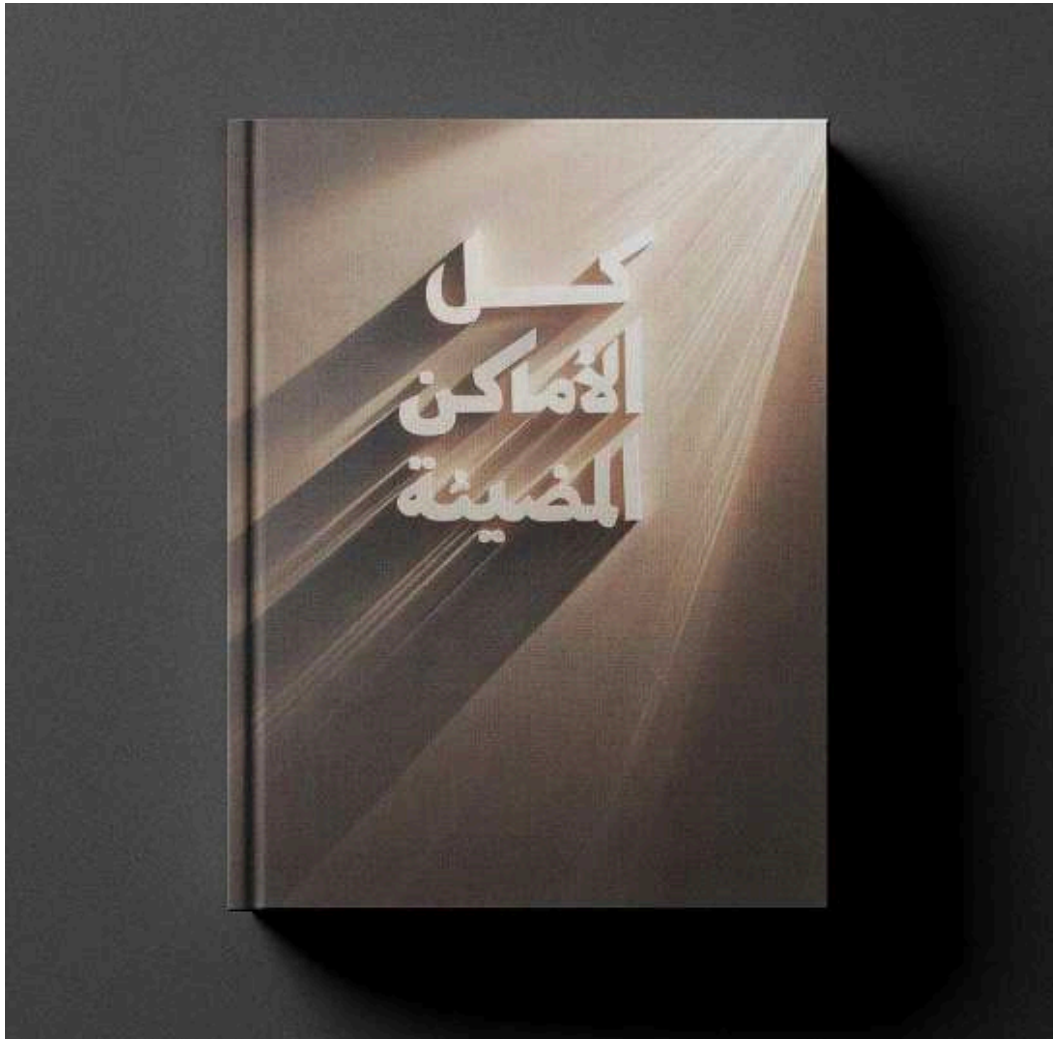


Latifa Almuhanha - 201005925

Fall 2024

GRD110: Typography I

Introduction to typography through the use of digital and hand craft skills and conceptual framing for working with letter forms and the layout of text. Assignments and demonstrations to develop thinking and making abilities.



Aishah Alsaqer - 201004196

Fall 2024



Maryam Alkhlaifi - 201004203

Fall 2024



Maryam Alkhlaifi - 201004203

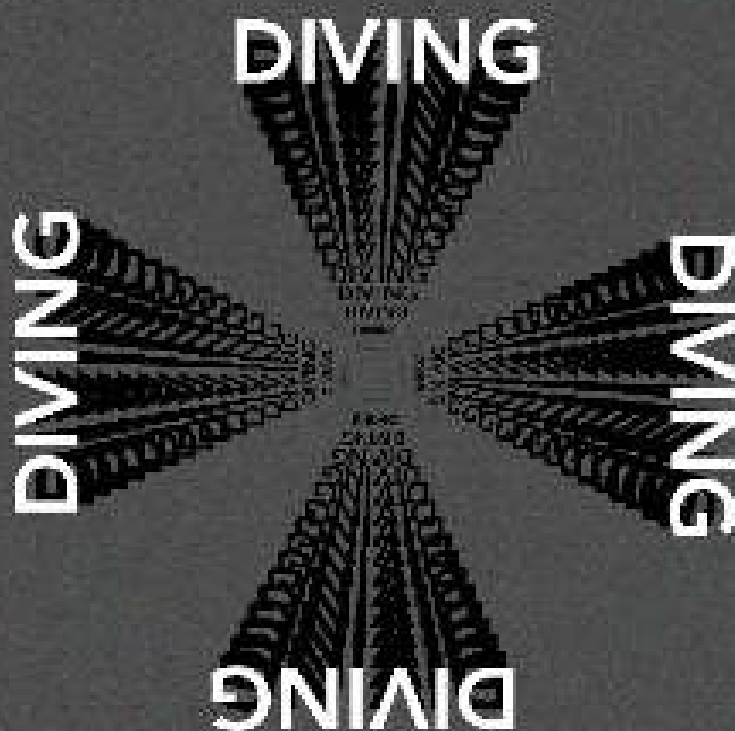
Fall 2024



Maryam Alkhlaifi - 201004203

Fall 2024

With your own eyes and your own feelings



Diving into sailing also develops broad skills

Sailing is not just a hobby, it's a pleasure in itself. You're in the driver's seat, you know what you're doing, and you're in the middle of it. You're not just a passenger, you're a participant. You're not just a spectator, you're a participant. You're not just a spectator, you're a participant.

Diving into sailing is a different life

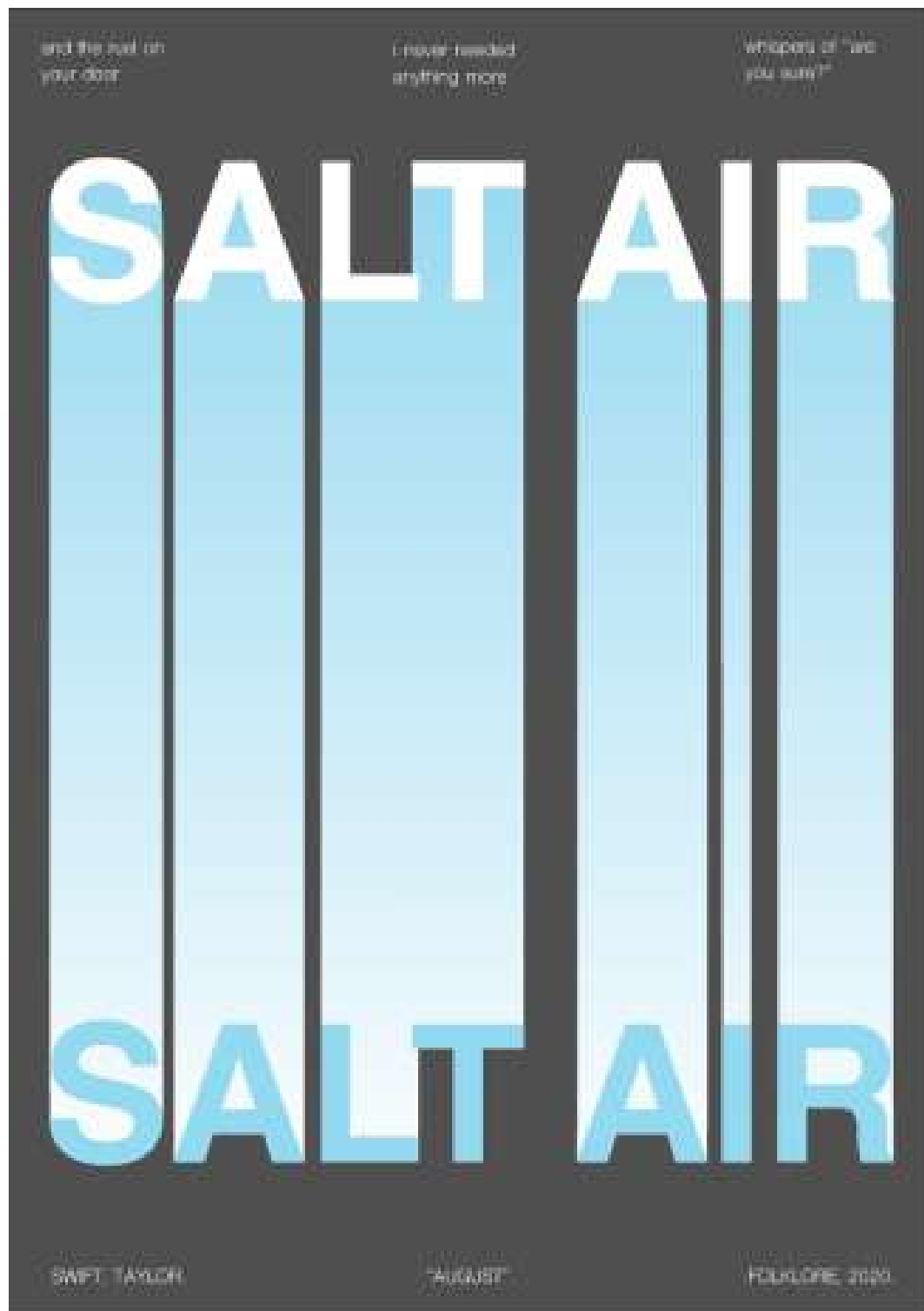
It's a different life, a different way of living. It's a different way of living, a different way of living. It's a different way of living, a different way of living. It's a different way of living, a different way of living. It's a different way of living, a different way of living.

Diving a ship and sailing the ocean

It's a different life, a different way of living. It's a different way of living, a different way of living. It's a different way of living, a different way of living. It's a different way of living, a different way of living. It's a different way of living, a different way of living.

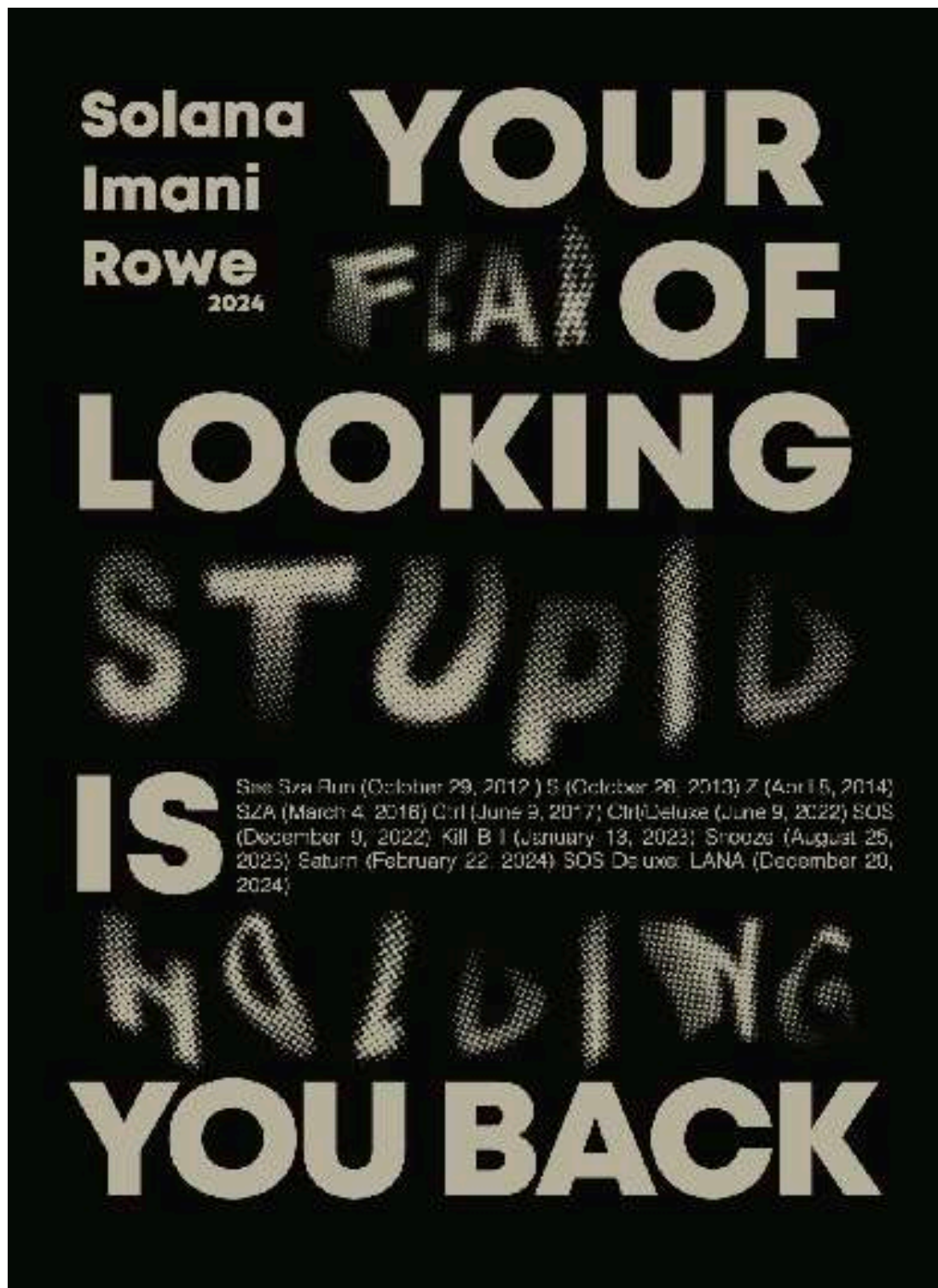
Abdulaziz Alharam - 201001314

Spring 2025



Jana Alawadi - 201005300

Spring 2025



Maryam Alkhulaifi - 201004953

Spring 2025

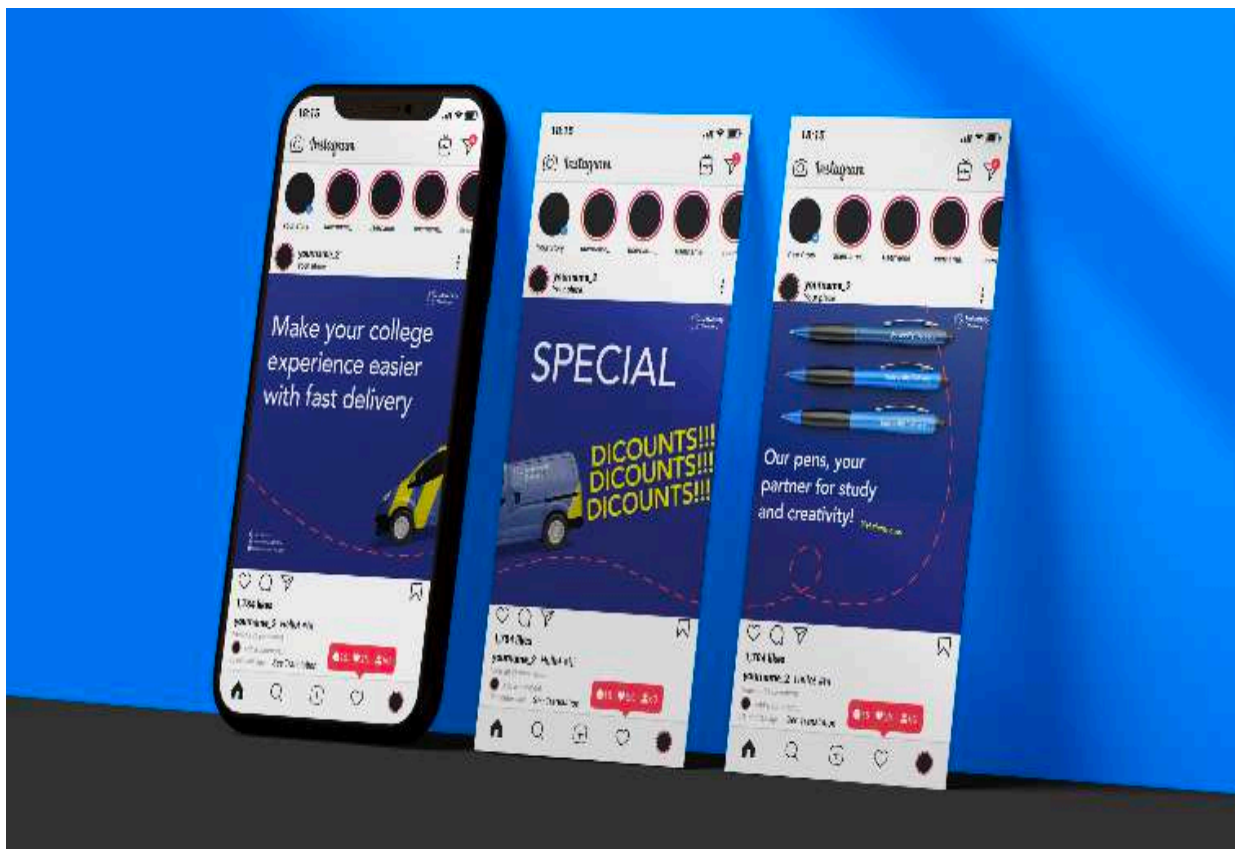
GRD202: Graphic Design I

Visual communication issues and application: design methodology, problem-solving, relation of form to meaning, type/image relationships. In this course, students create a realistic visual project such as the visual components of a marketing campaign with emphasis upon a consistent theme of concept, design, and imagery. Process and development of imagery is essential as well as allowing students to modify their design and improve their campaigns



Farah Alselteen - 201003291

Fall 2024



Farah Alselteen - 201003291

Fall 2024



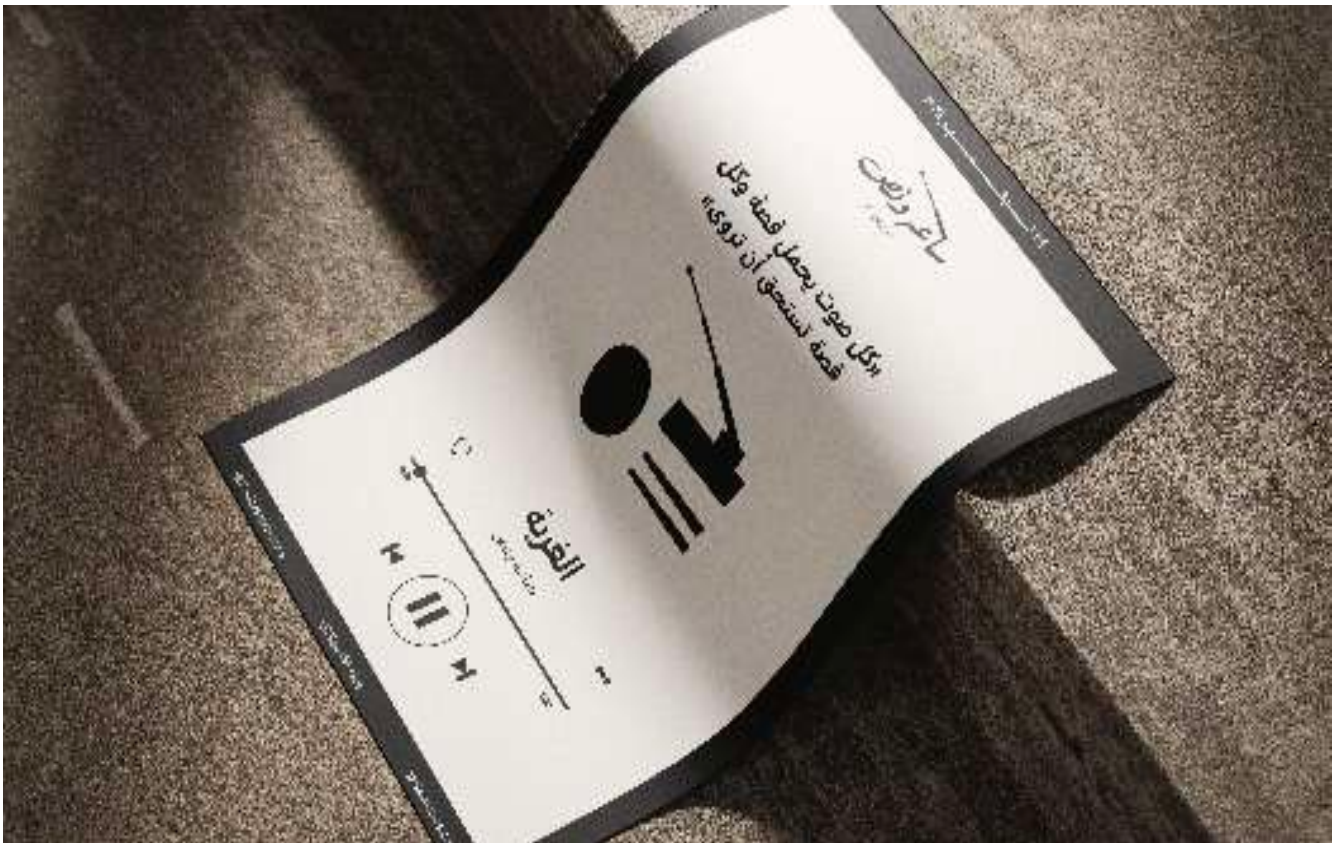
Fajer Al Daihani - 201002881

Fall 2024



Shahad Alfaqaan - 201003125

Fall 2024



Shahad Alfaqaan - 201003125

Fall 2024

GRD205: Introduction to Animation

Fundamental understanding of structure history, technology and application of typography, the visualization of language. Functional and experimental aspects of typography; typographic syntax and hierarchies.



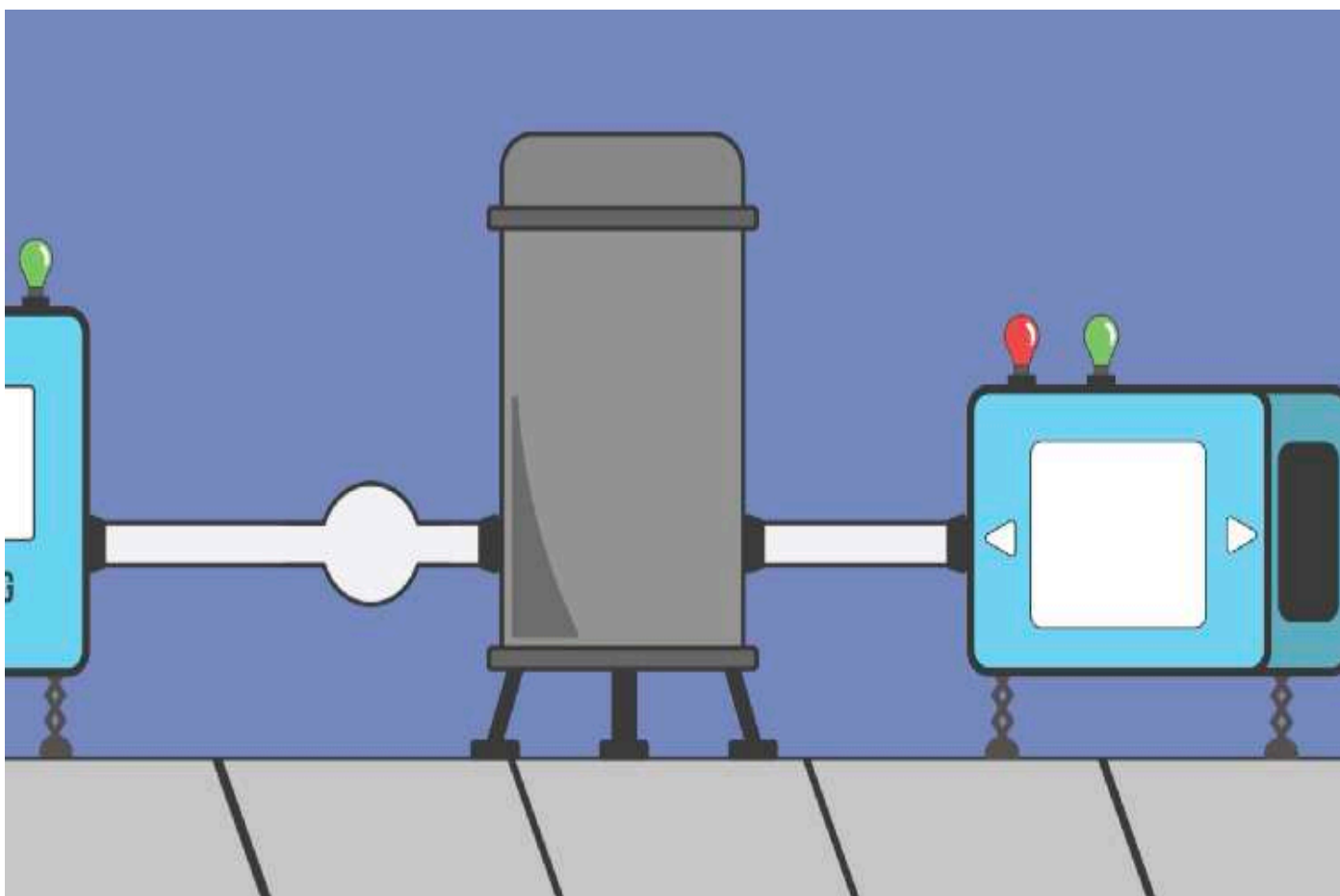
Jouri Almesalem - 201002964

Fall 2024



Latifa Alajmi - 201001383

Fall 2024



Malak Alsaid - 201001973

Fall 2024



Malak Alsaid - 201001973

Fall 2024



May Alenzi - 201003353

Fall 2024



Fajer Aldihani -201002881

Spring 2025



Shahad Alfaqaan - 201003125

Spring 2025



Sabiekah Albalool - 201004590

Spring 2025

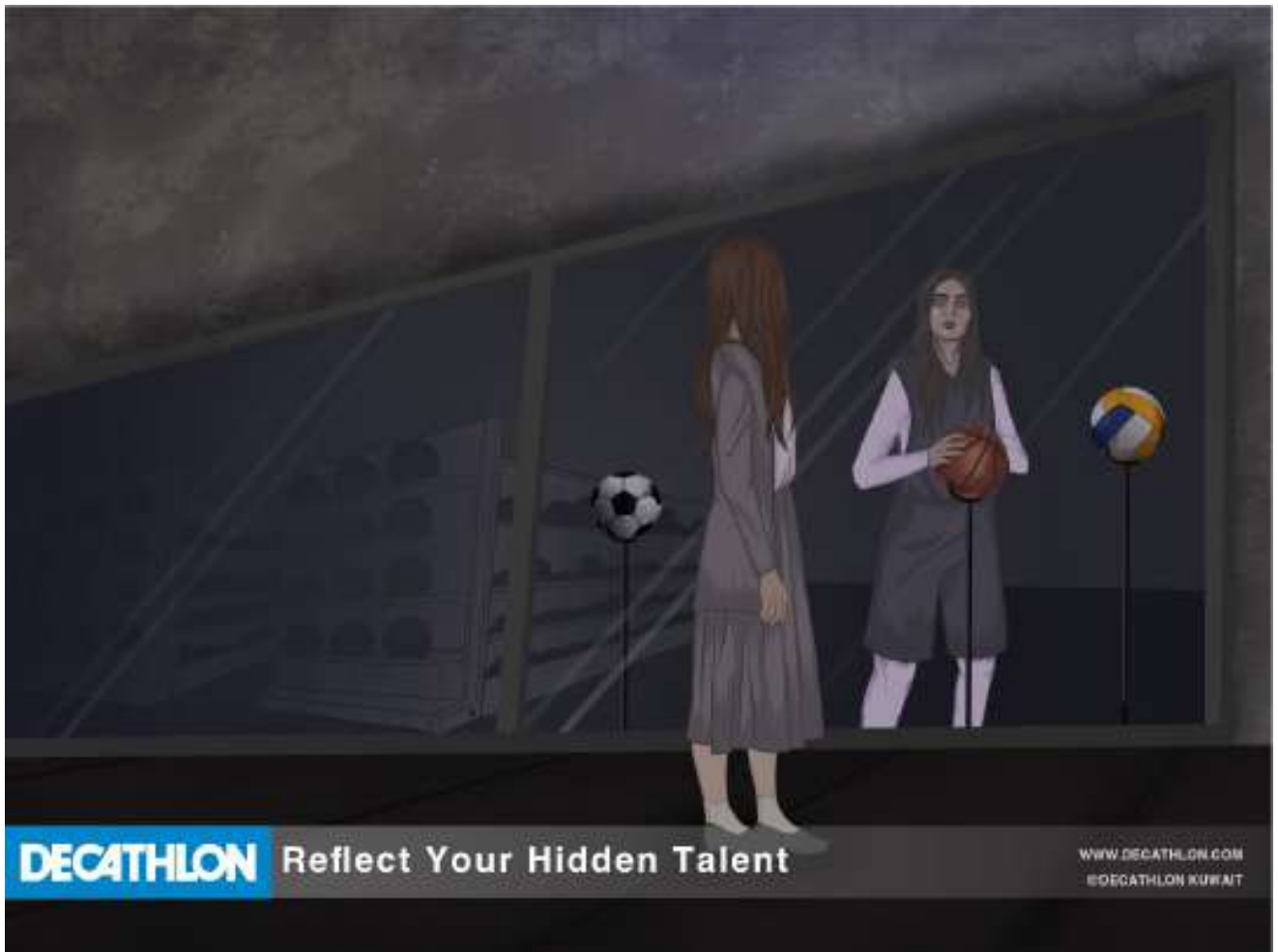
GRD206: Advertising Design

This course introduces students to the disciplines, work environment, and creative workflow of advertising and digital design. Students are presented with brand communication challenges and learn to work in the new creative team of art directors, writers, and experience designers to apply both narrative and systematic creative thinking to deliver creative solutions for brand messaging as well as digital products such as mobile apps.



Jouri Almesalem - 201002964

Fall 2024



May Alenezi - 201003353

Fall 2024



Saoud Alsimairi - 20100020

Fall 2024



May Alenezi - 201003353

Fall 2024

دوانيتكم صارت أذكى!

سين جيم - المكان اللي الثقافة تتحول فيه لمنافسة.



اختبروا معرفتكم باللهجة، والتاريخ، والذكاء.

Lulwa Alshatti - 201003292

Spring 2025

GRD210: Typography II

Fundamental understanding of structure history, technology and application of typography, the visualization of language. Functional and experimental aspects of typography; typographic syntax and hierarchies.

أب ب ب ب ب ب ب ب ب ب
ج ج ج ج ج ج ج ج ج ج
د د د د د د د د د د
ش ش ش ش ش ش ش ش ش ش

Malak Alsaid - 201001973

Fall 2024

خط
هندسة
عربية

مُصمَّم للعناوين مُهندَس للتأثير

Malak Alsaid - 201001973

Fall 2024



Malak Alsaid - 201001973

Fall 2024

Concept & Naming

refers to:

The enclosed, boxy forms

The lack of curves or openness

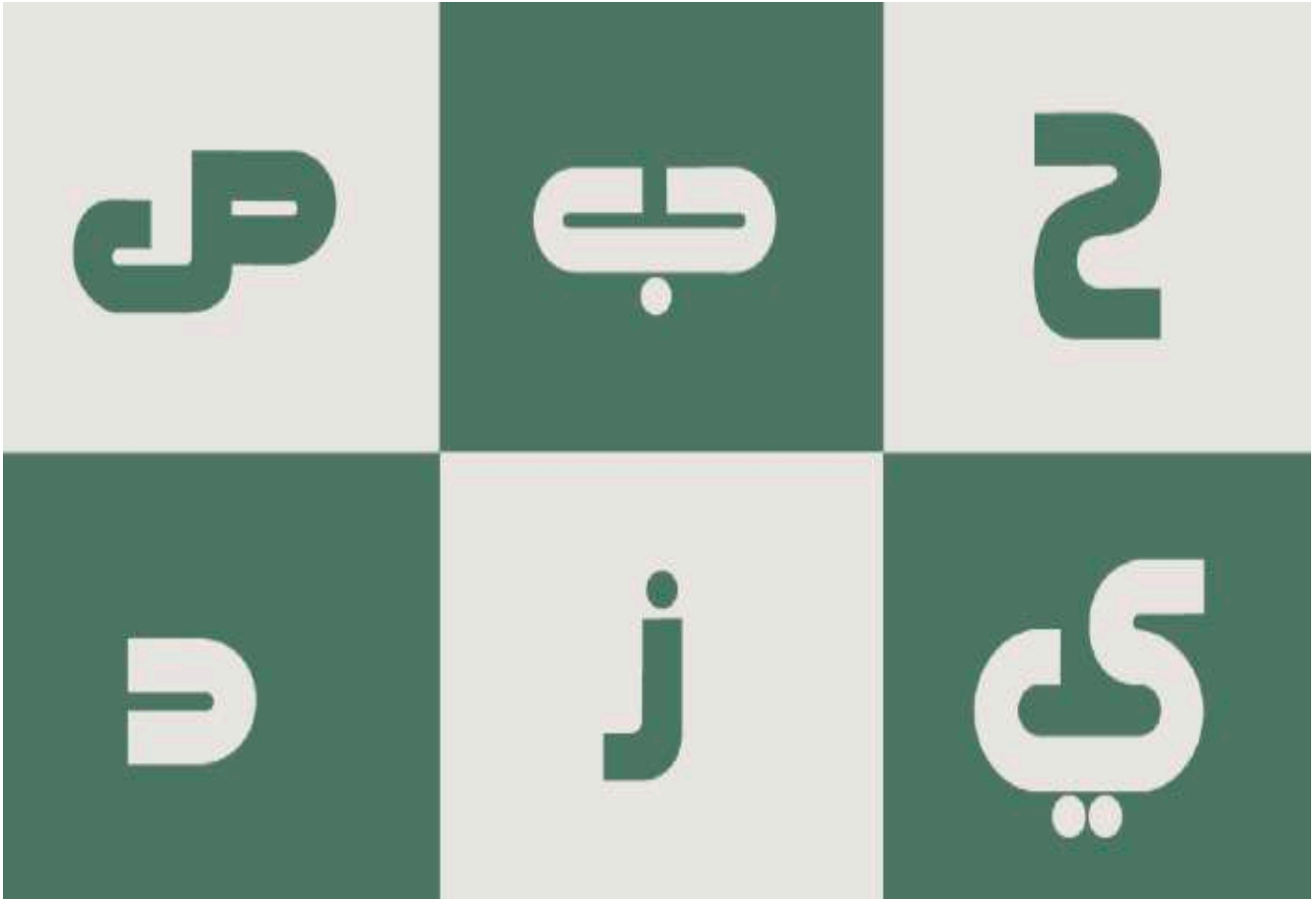
It's an expression of restraint, precision, and order

Rooted in Square Kufic + Brutalist geometry

مخلوق

Aisha Alenezi - 201002147

Spring 2025



Aisha Alenezi - 201002147

Spring 2025

جريدة

May Alenezi - 201003353

Spring 2025

GRD221: Illustration I

Introduction to the role that illustration plays within graphic design; students will use both traditional and digital media to create illustration and hand lettering to communicate messages intended for reproduction



Shahad Alfagaan -201003125

Fall 2024



Shahad Alfagaan -201003125

Fall 2024



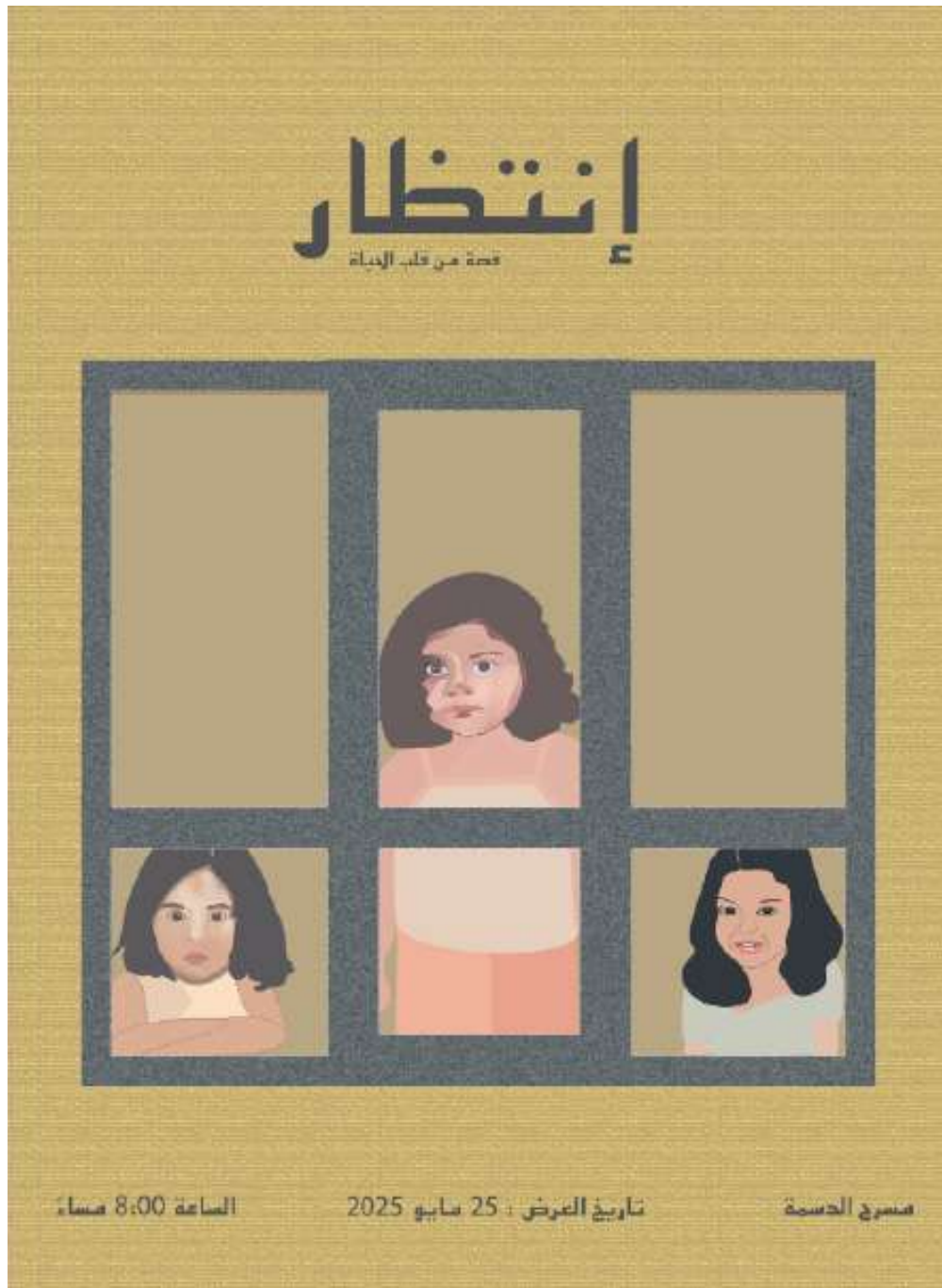
Fajer Alshalahi - 201002881

Fall 2024



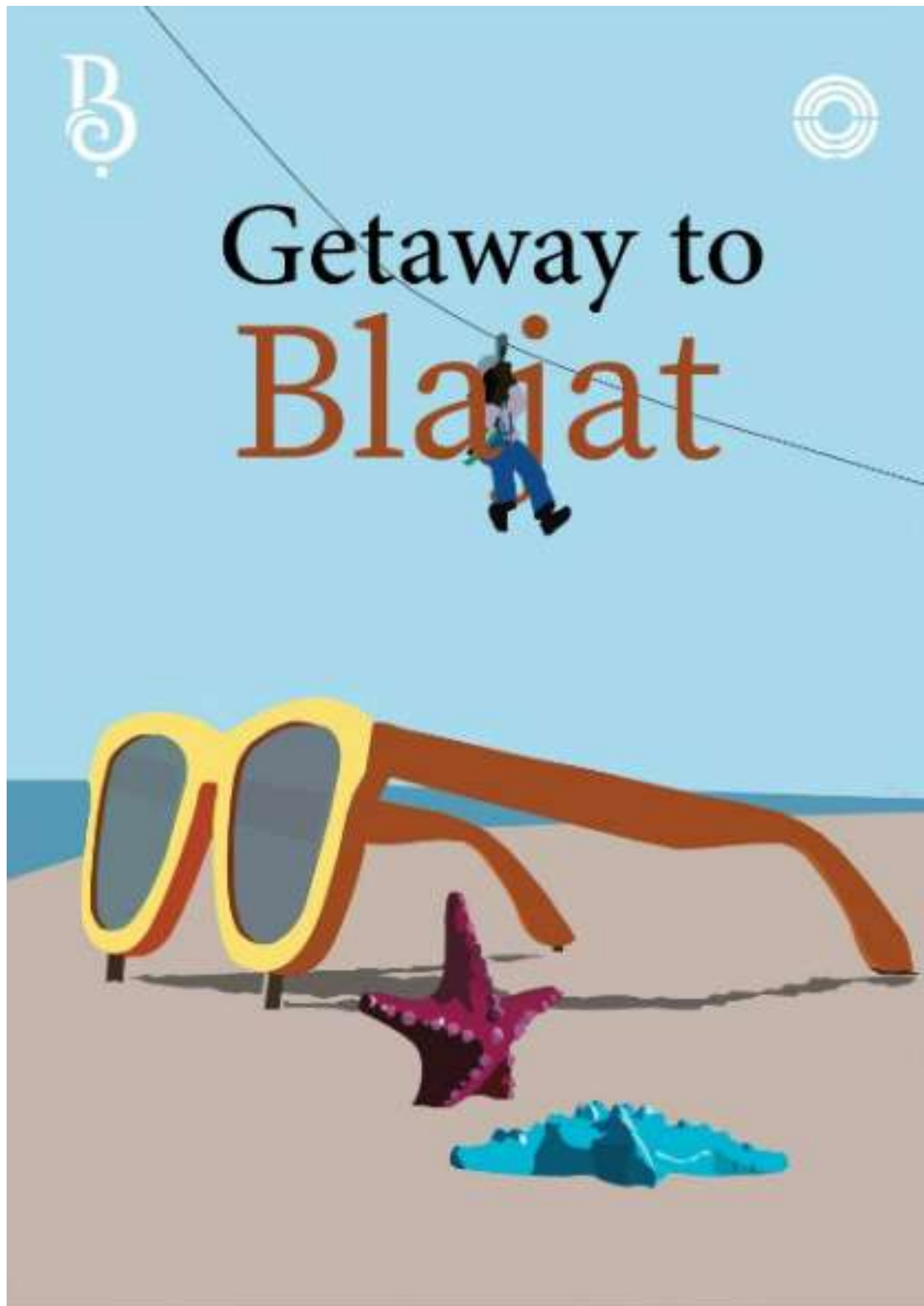
Farah Alsalten -201003291

Fall 2024



Haya Almutairi -201001638

Spring 2025



Aisha Alsaqer -201004196

Spring 2025

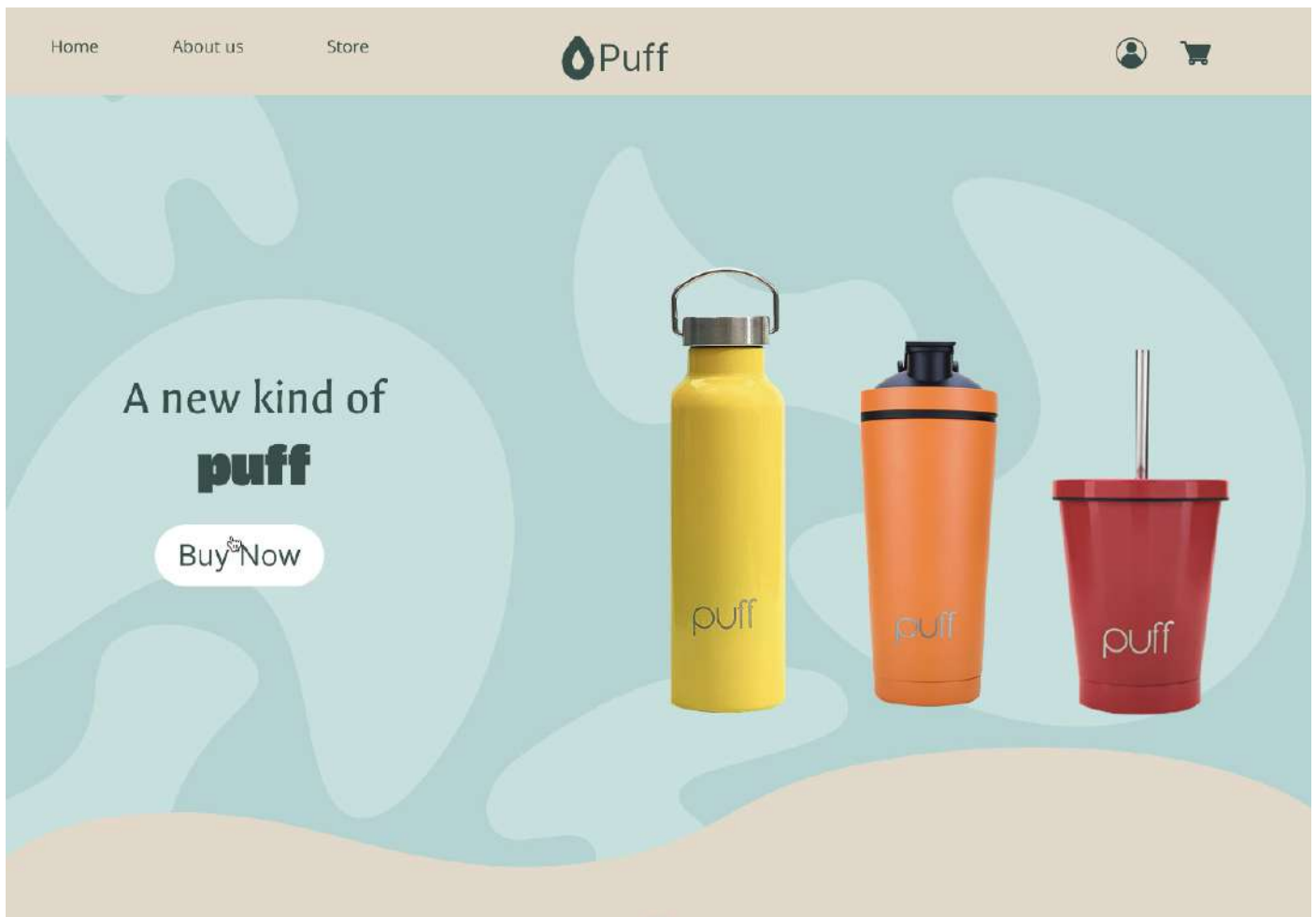
GRD301: Intro to Interactivity in Graphic Arts

Exploration of a variety of art-making strategies that utilize digital technologies and interactive media; emphasis on computer-based and online art practices and web-oriented programming languages.



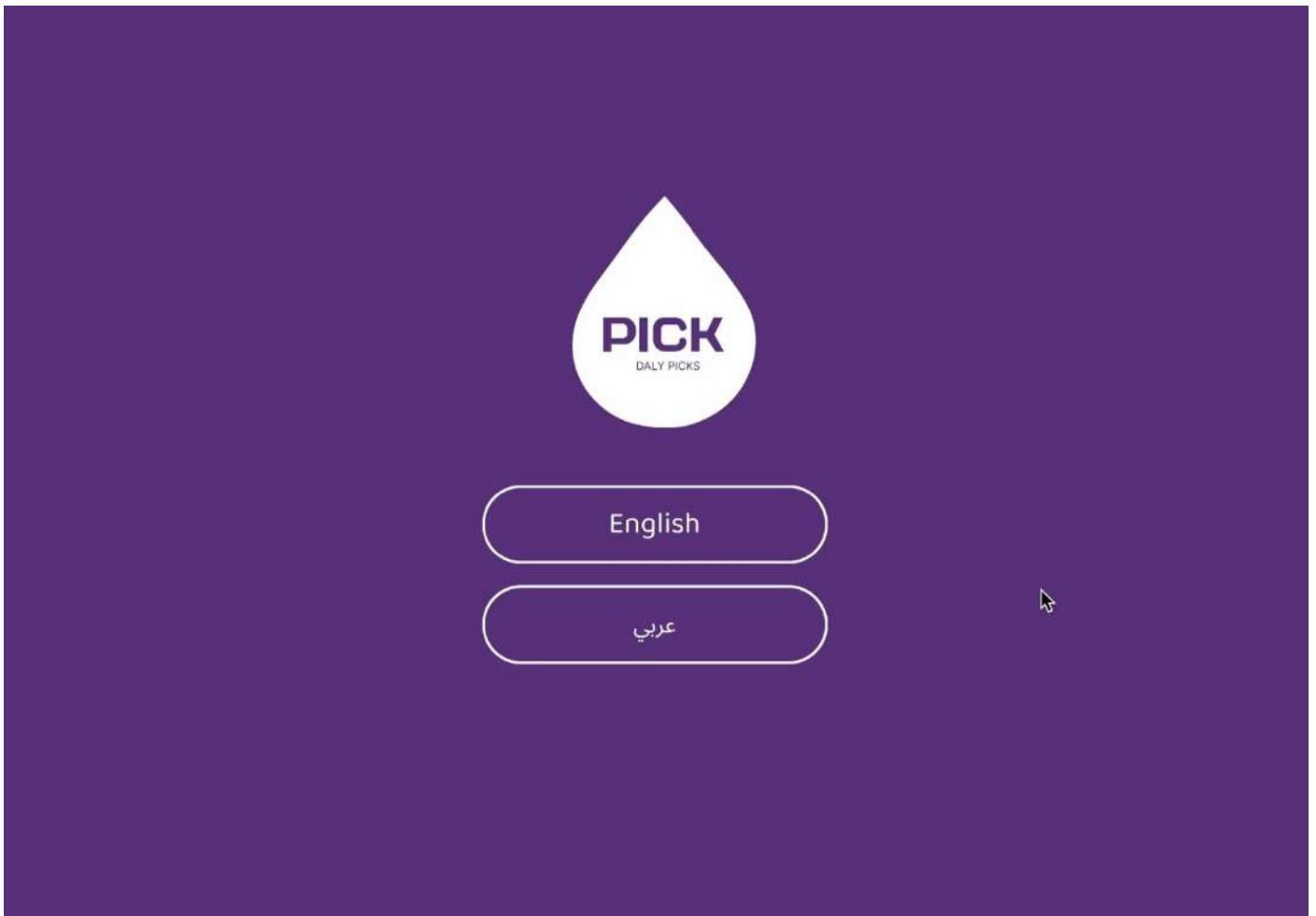
Shahad Aljadi - 201001601

Fall 2024



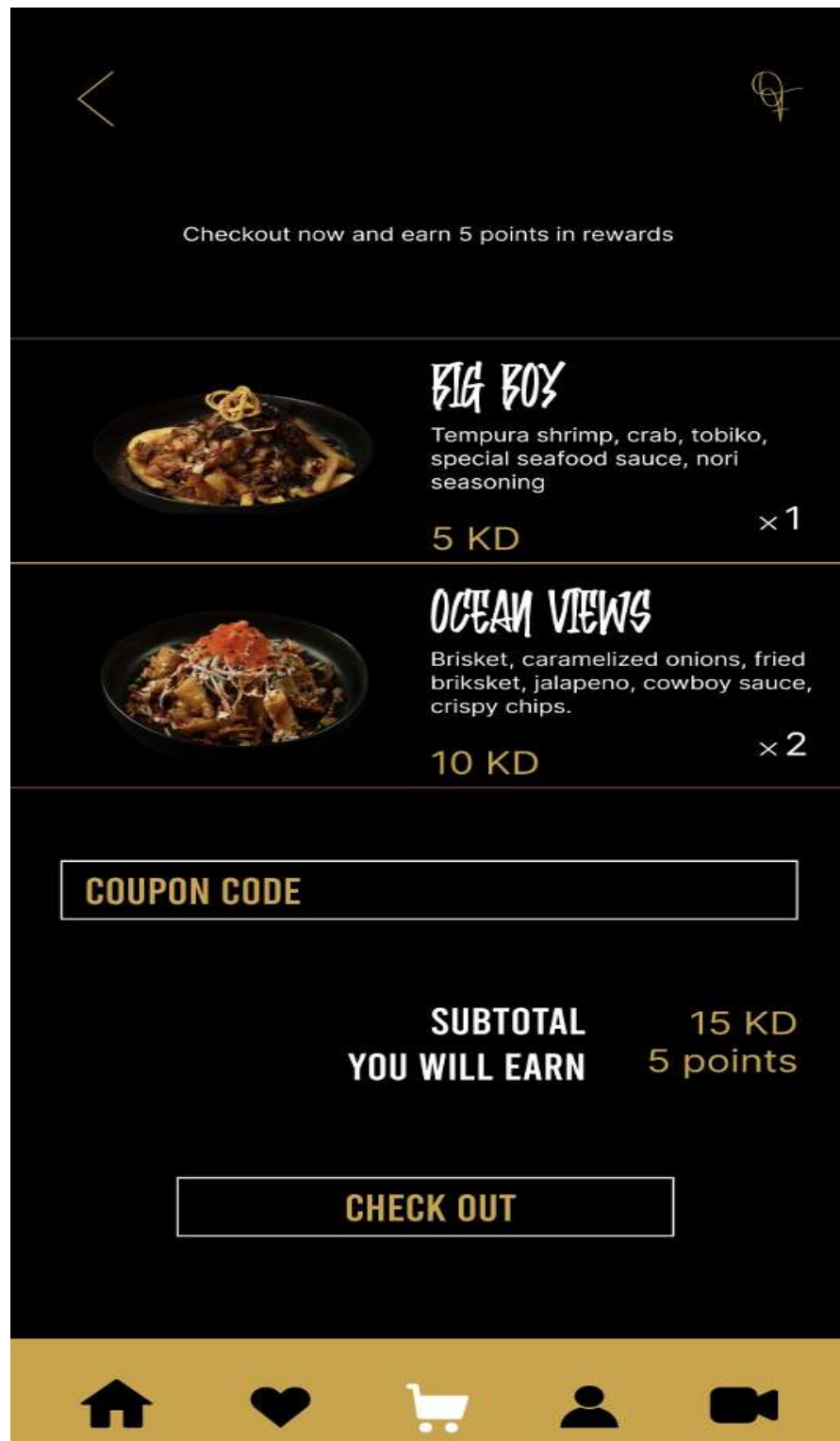
Danah Fawaz - 201001935

Fall 2024



Ghadeer Alsaffar - 201001291

Fall 2024



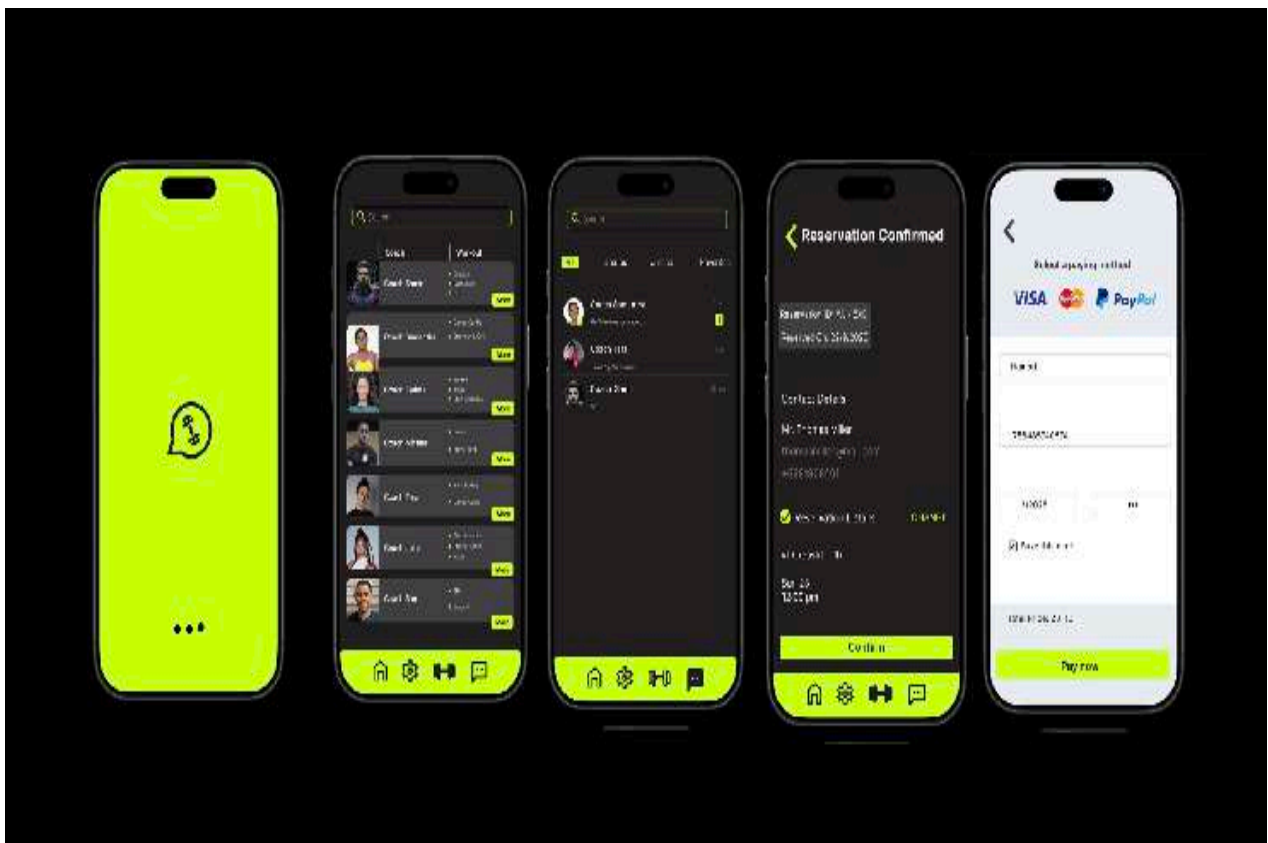
Lulwa Alshatti - 201003292

Fall 2024



May Alenezi - 201003353

Spring 2025



Jouri Almesalem - 201002964

Spring 2025

GRD302 Graphic Design Studio II

Fundamental understanding of structure history, technology and application of typography, the visualization of language. Functional and experimental aspects of typography; typographic syntax and hierarchies.



Malak Alsaïd - 201001973

Fall 2024



Malak Alsaïd - 201001973

Fall 2024



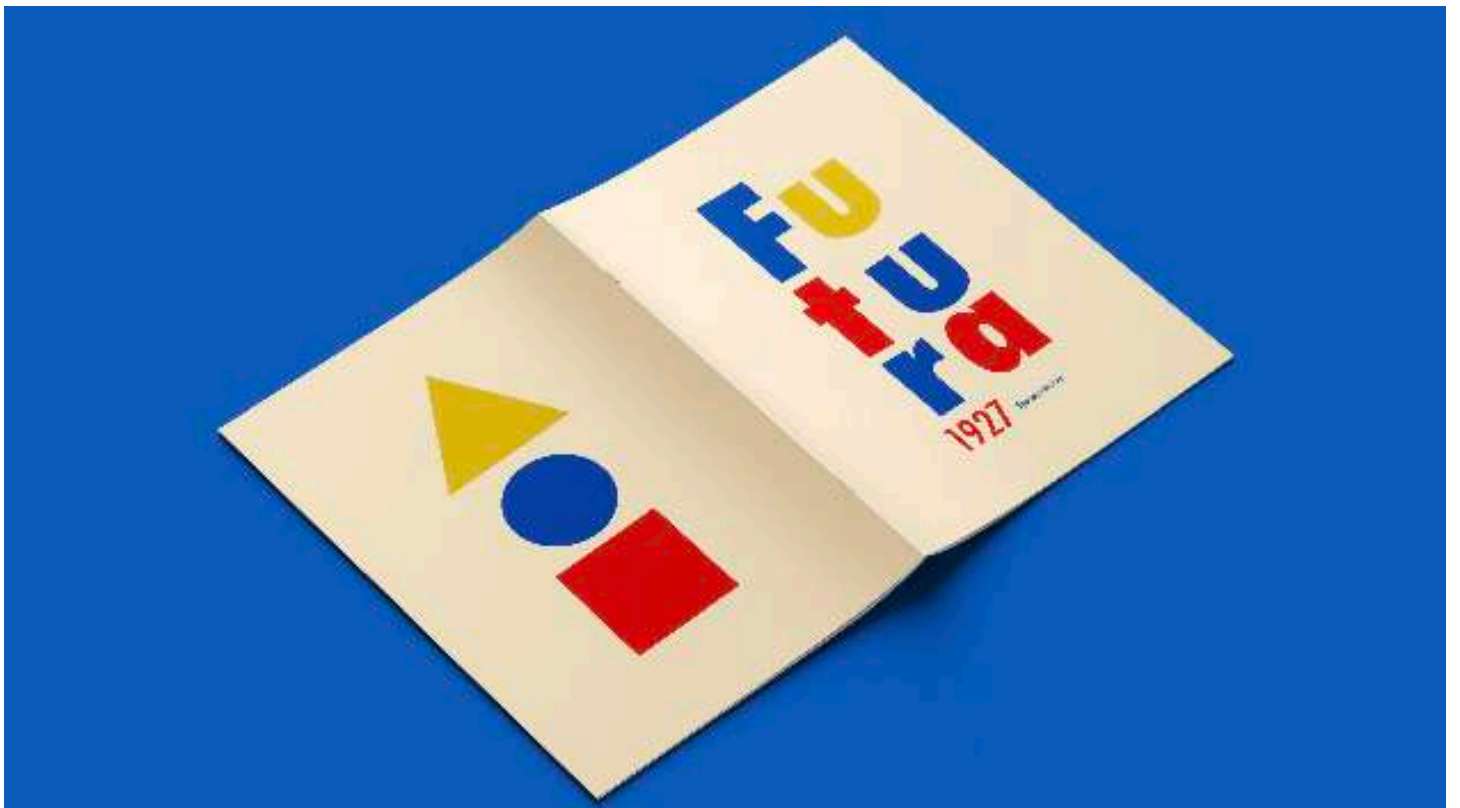
Malak Alsaïd - 201001973

Fall 2024



Malak Alsaid - 201001973

Spring 2025



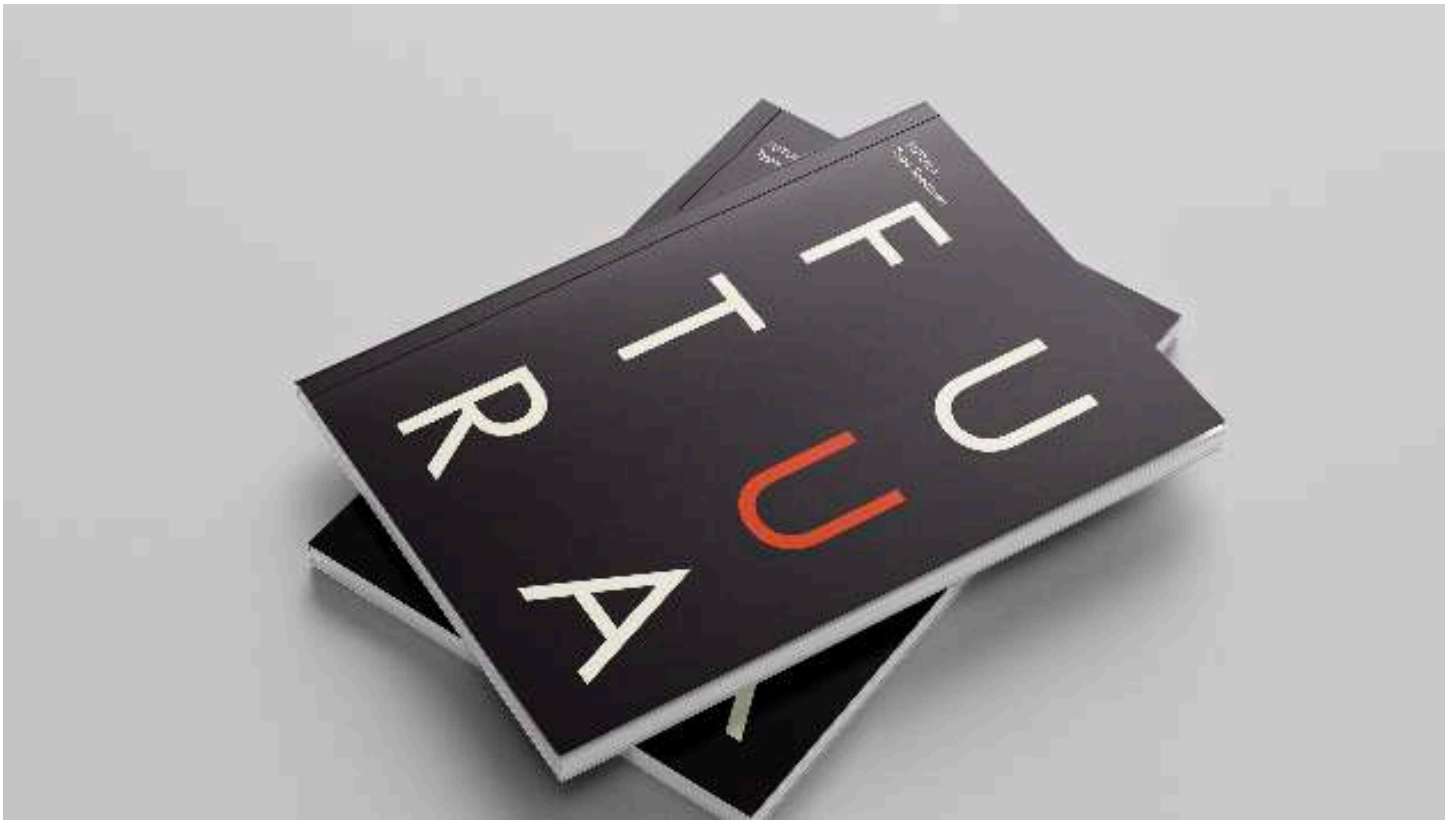
Malak Alsaid - 201001973

Spring 2025



Aisha Alonaizi - 201002147

Spring 2025



Aisha Alonaizi - 201002147

Spring 2025

GRD305: Branding

Fundamental understanding of structure history, technology and application of typography, the visualization of language. Functional and experimental aspects of typography; typographic syntax and hierarchies.



May Almasoud - 201001867

Fall 2024



May Almasoud - 201001867

Fall 2024



Hanouf Alshaijy - 201001915

Fall 2024



Hanouf Alshaijy - 201001915

Fall 2024



Dana Almishri - 201001174

Spring 2025



Dana Almishri - 201001174

Spring 2025



Lulwa Alshatti - 201003292

Spring 2025



Lulwa Alshatti - 201003292

Spring 2025

GRD321: Illustration II

Development of illustration skills; students will learn to effectively use both traditional and digital media to create illustrations and hand lettering to communicate messages intended for reproduction. Students engage in problems that demand research, creation and management of numerous visual and informational elements within a given visual product



Dana Almishri - 201001174

Fall 2024



Lulwa Alshatti - 201003292

Fall 2024



Maryam Alyousef - 2001002986

Fall 2024



Raghad Alqahtani - 201002142

Fall 2024



Shahad Aljadi - 2001001601

Fall 2024



Aseel Almutairi - 201001700

Spring 2025



Jouri Almesalem - 2010012964

Spring 2025



May Alenezi - 201003353

Spring 2025



Ali Yahya - 201001700

Spring 2025



May Alenezi - 201003353

Spring 2025



Bodour Aladbdulhadi - 201001478

Spring 2025



Malak Alsaïd - 201001973

Spring 2025



Bodour Aladbdulhadi - 201001478

Spring 2025



Malak Alsaid - 201001973

Spring 2025

GRD331: History of Graphic Design

Fundamental understanding of structure history, technology and application of typography, the visualization of language. Functional and experimental aspects of typography; typographic syntax and hierarchies.



Raghad Alqahtani - 201002142

Fall 2024



Raghad Alqahtani - 201002142

Fall 2024



Dana Almishri - 201001174

Fall 2024



Lulwa Alshatti - 201003292

Fall 2024

GRD402: Graphic Design III

This course addresses contemporary interdisciplinary issues and practices in relation to graphic design.

This course takes students through a comprehensive look at the entire graphic design process in relation to contemporary practices. This course gives the student skills and knowledge about sustainability, environmental graphic design, window display and ambient design in addition to a self-led experimental assignment. Students will use design methodologies to arrive to their own individual perspective. The Learning methods include brainstorming sessions, group critiques, and class activities.



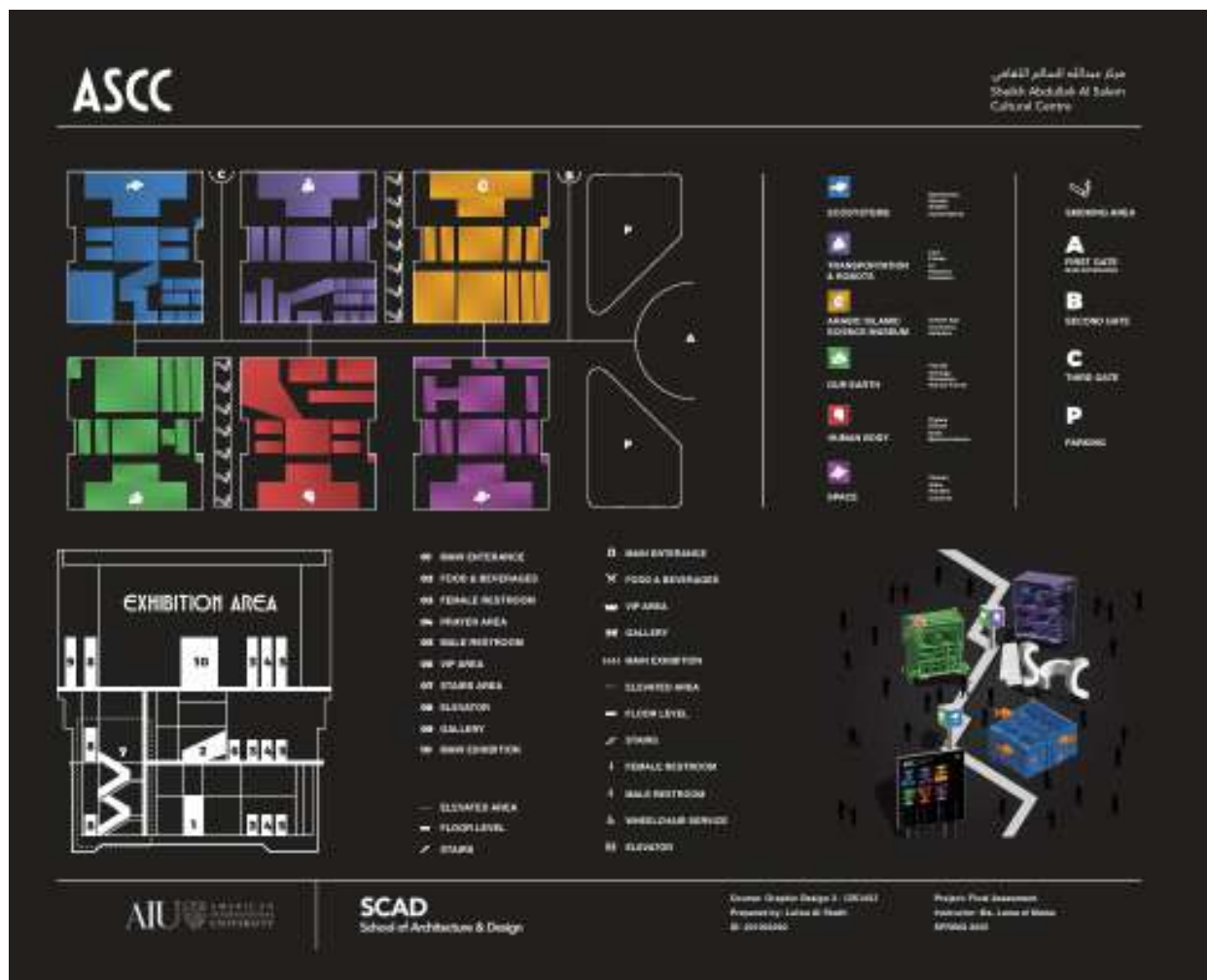
Rayana Aladwani - 201001257

Fall 2024



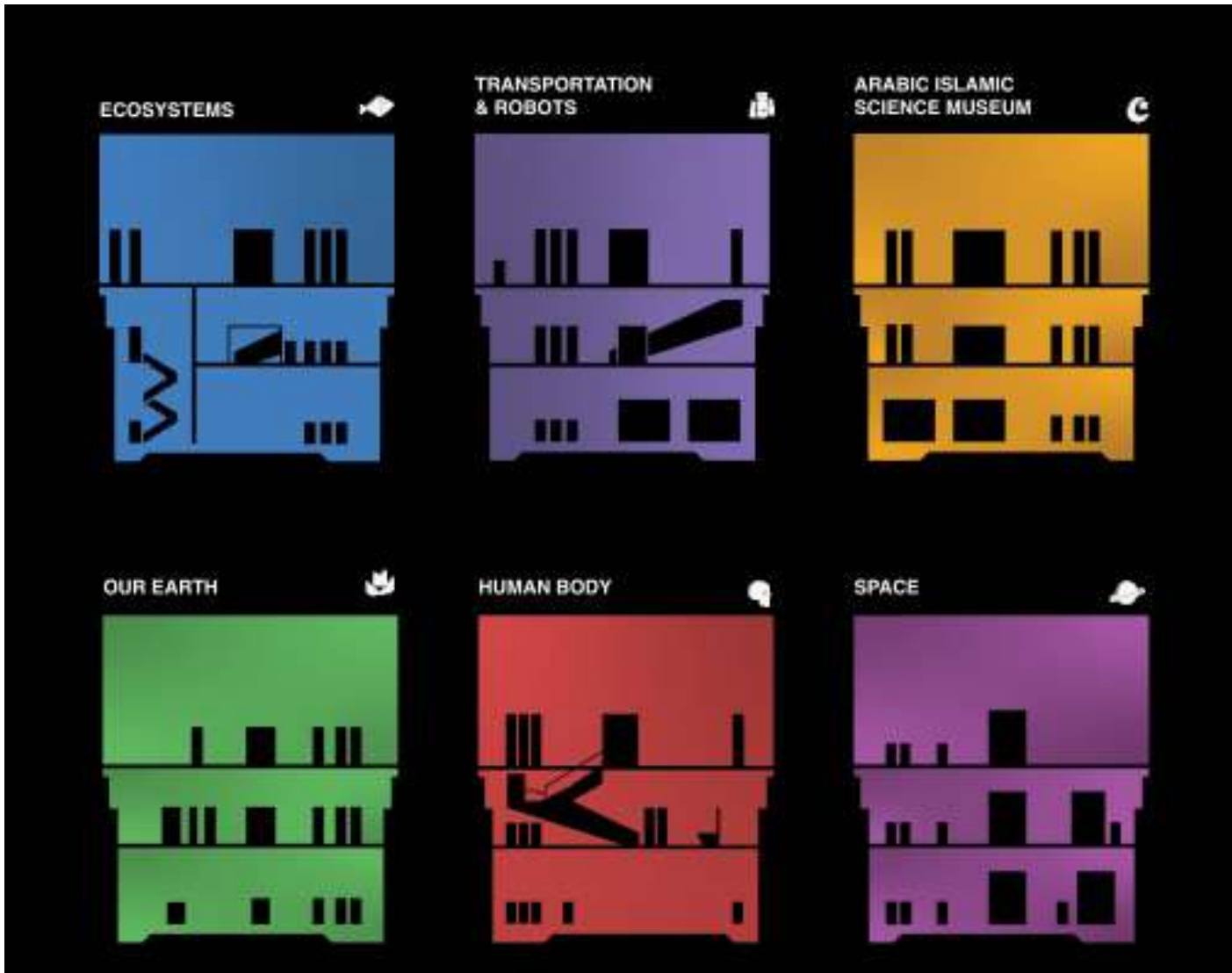
Rayanah Aladwani - 201001257

Fall 2024



Luluwa Alshatti - 201003292

Spring 2025



Luluwa Alshatti - 201003292

Spring 2025



Dana Almishri - 201001174
 Khadeejah Alqallaf - 201001240
 Fatemah Albuloushi - 20100330
 Latifa Alajmi - 201001383

Spring 2025

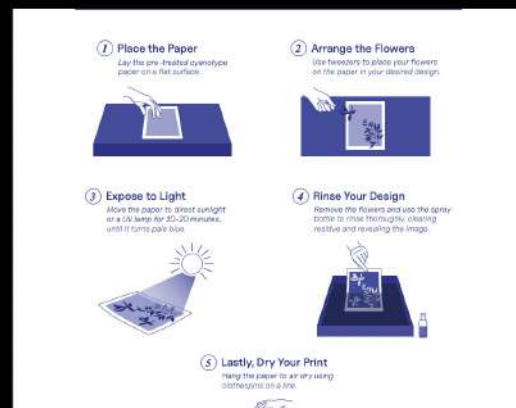
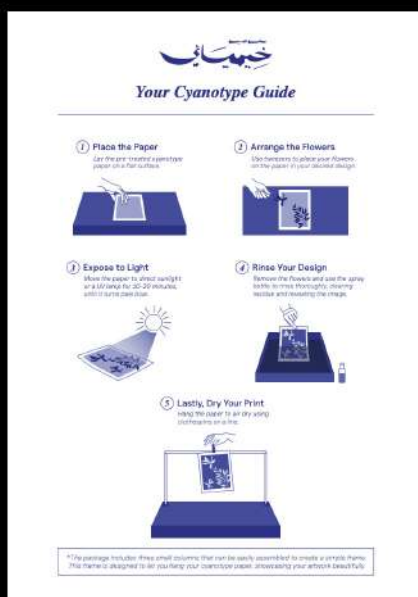


Luluwa Alshatti - 201003292
 Sara Altayyar- 201002598
 Mariam Alyousef - 20102986
 Bodour Alabdulhadi - 201001478

Spring 2025

GRD404: Packaging Design

This course is a comprehensive packaging design and production course. Students develop packaging from initial concept to production and presentation of 3D designs. Typography, photography and illustration are integrated into complete packaging designs. Various substrates, materials, methods, practical and production considerations are explored in this course. It will provide an introduction to the major groups of packaging materials: paper-based materials; metals; glass and plastics in addition to closures, adhesives and labelling. This course considers the combination of various materials and structural choices available in constructing a package, and also introduces the concept of sustainability and environmental impact.



Shahad Al Khatib - 201000994

Spring 2024



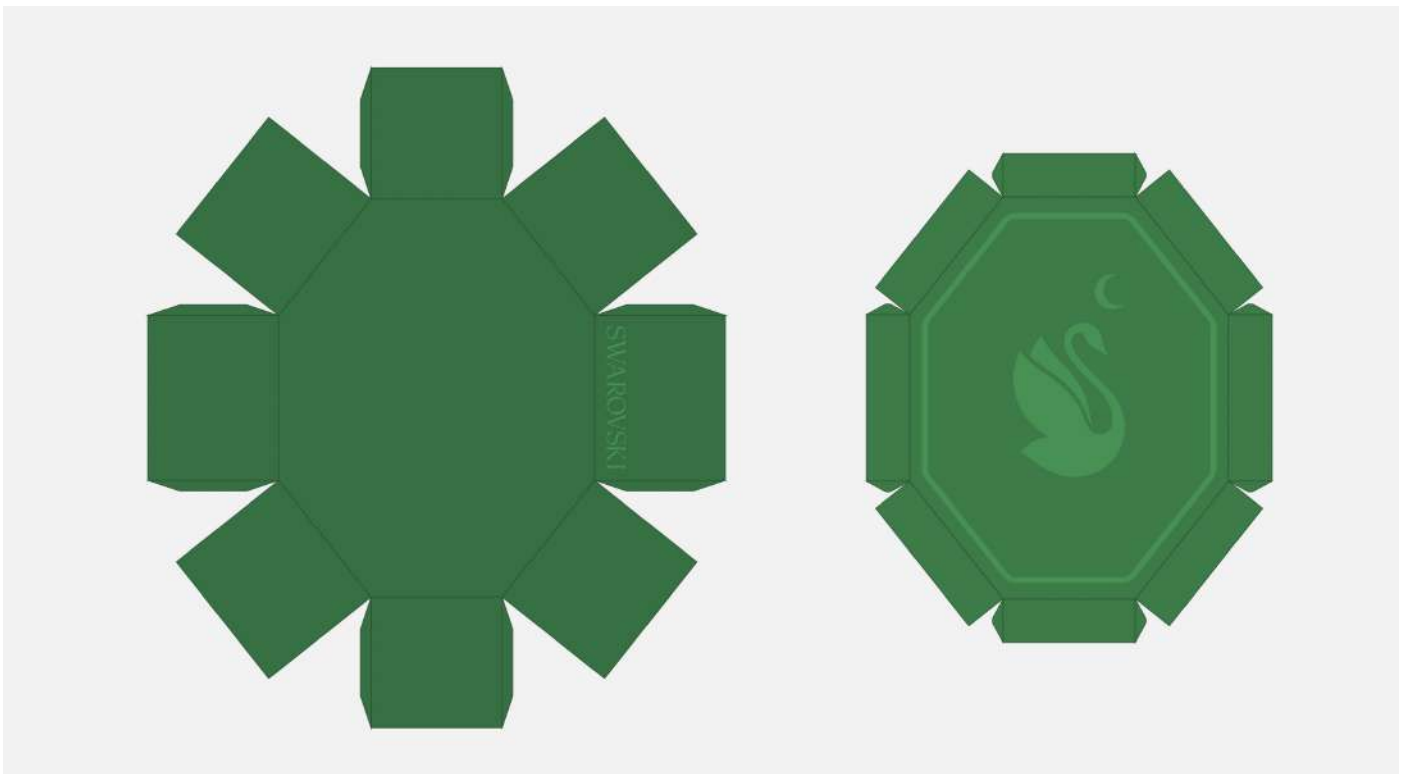
Shahad Al Khatib - 201000994

Fall 2024



Raheq Al Baghli 201001816

Fall 2024



Raheq Al Baghli 201001816

Fall 2024

GRD 407 Information Design

Fundamental understanding of structure history, technology and application of typography, the visualization of language. Functional and experimental aspects of typography; typographic syntax and hierarchies.





Areej Alawadhi - 201001886

Fall 2024



Huda Alhouli - 201001624

Fall 2024



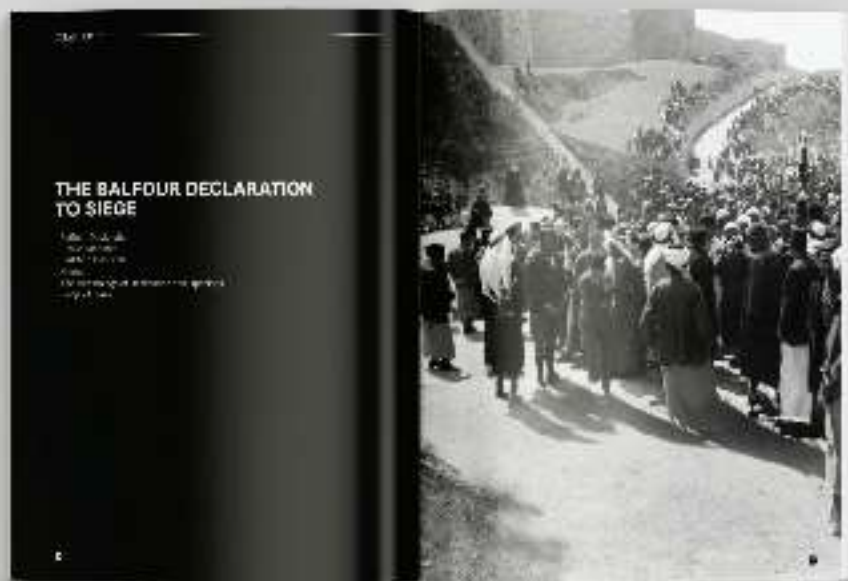
Huda Alhouli - 201001624

Fall 2024



May Al Masoud - 201001867

Spring 2025



May Al Masoud - 201001867

Spring 2025

GRD493: Special Topics

Examination of specific issue in design theory, history or practice. Topics may include: corporate identity, globalization of design, exhibition design, design history.



اوه يامال

إحياء التراث البحري الكويتي



on_yamal

965 656 332 63

www.oh_yamal.com

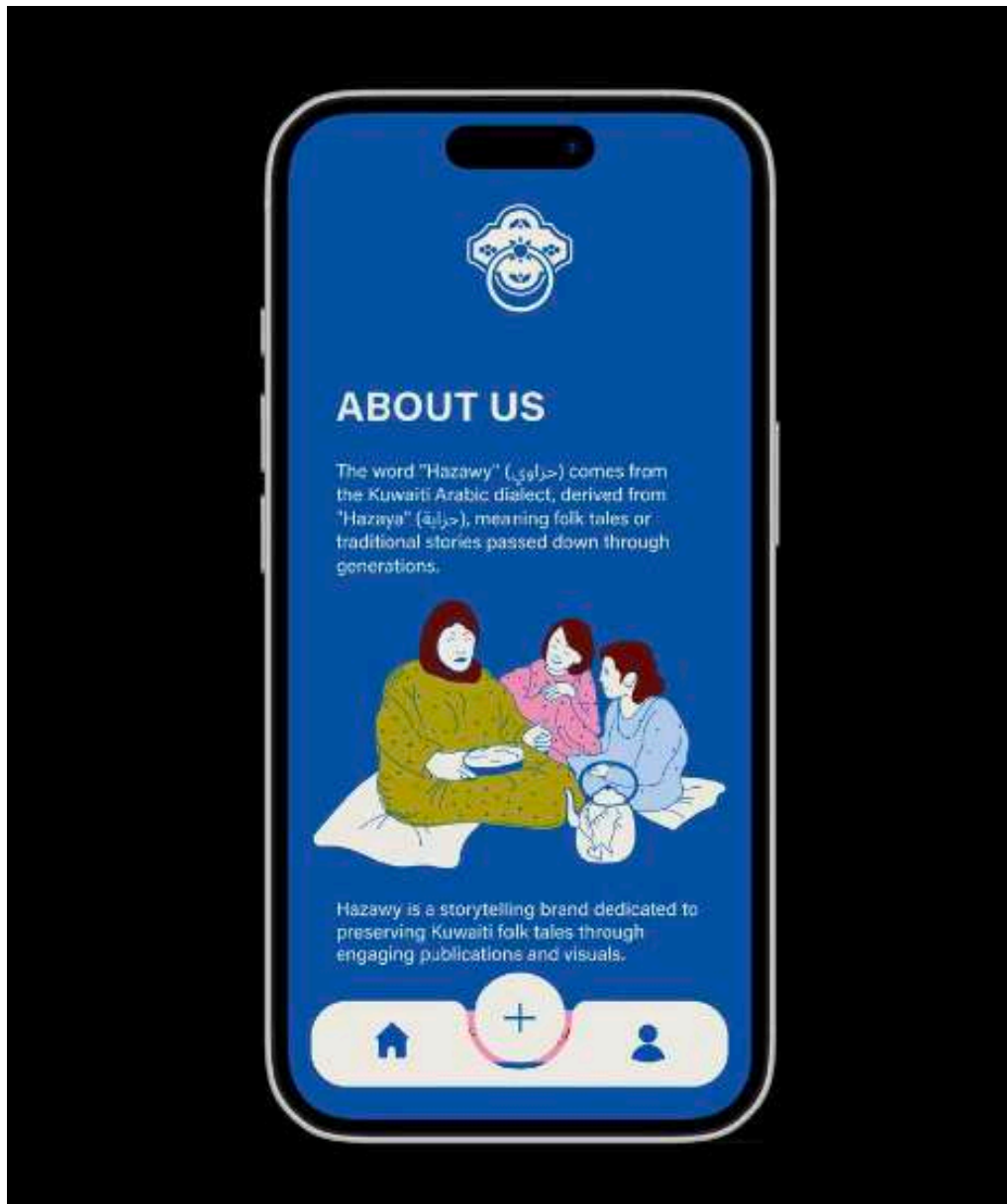
Raheeq Albaghli - 201001816

Spring 2025



Raheeq Albaghli - 201001816

Spring 2025



Shahad Alkhataib - 201000994

Spring 2025



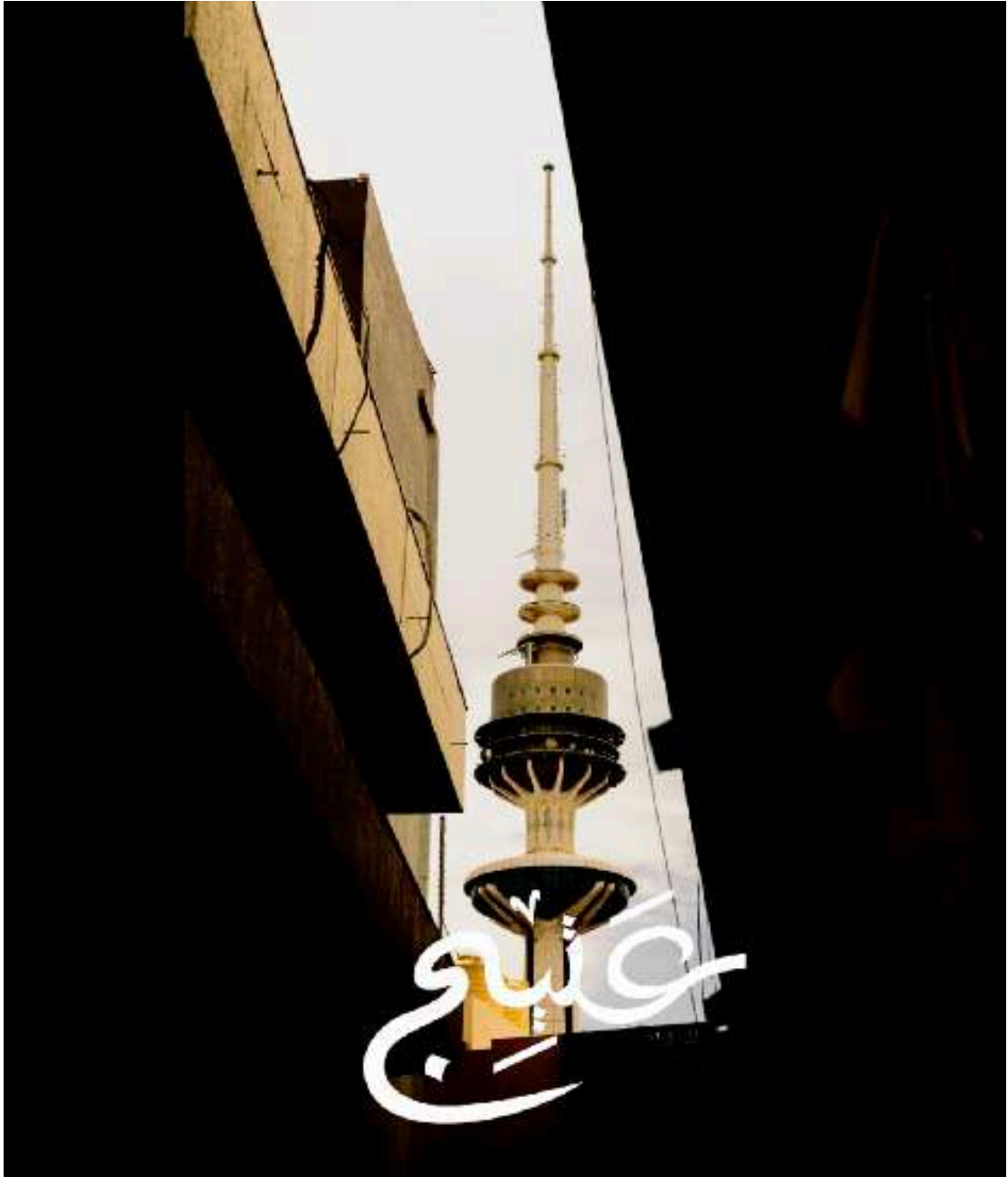
Shahad Alkhataib - 201000994

Spring 2025



Huda Alhouli - 201001624

Spring 2025



Jana Almutairi - 201001624

Spring 2025

GRD496: Senior Design Project II.

In this course after finalizing Senior Project I (GRD 495), students will finally exploit all their expertise and previous experiences acquired throughout their course of study and research to accomplish their final Graphic Design project (the Graduation Project). Students will execute one final design project representing their knowledge, skills and cultural awareness gained throughout the previous years of study while focusing on the theme researched in GRD 495.



Adel Alenizi - A00010308

Spring 2025



Saoud Alsimairi - 20100020

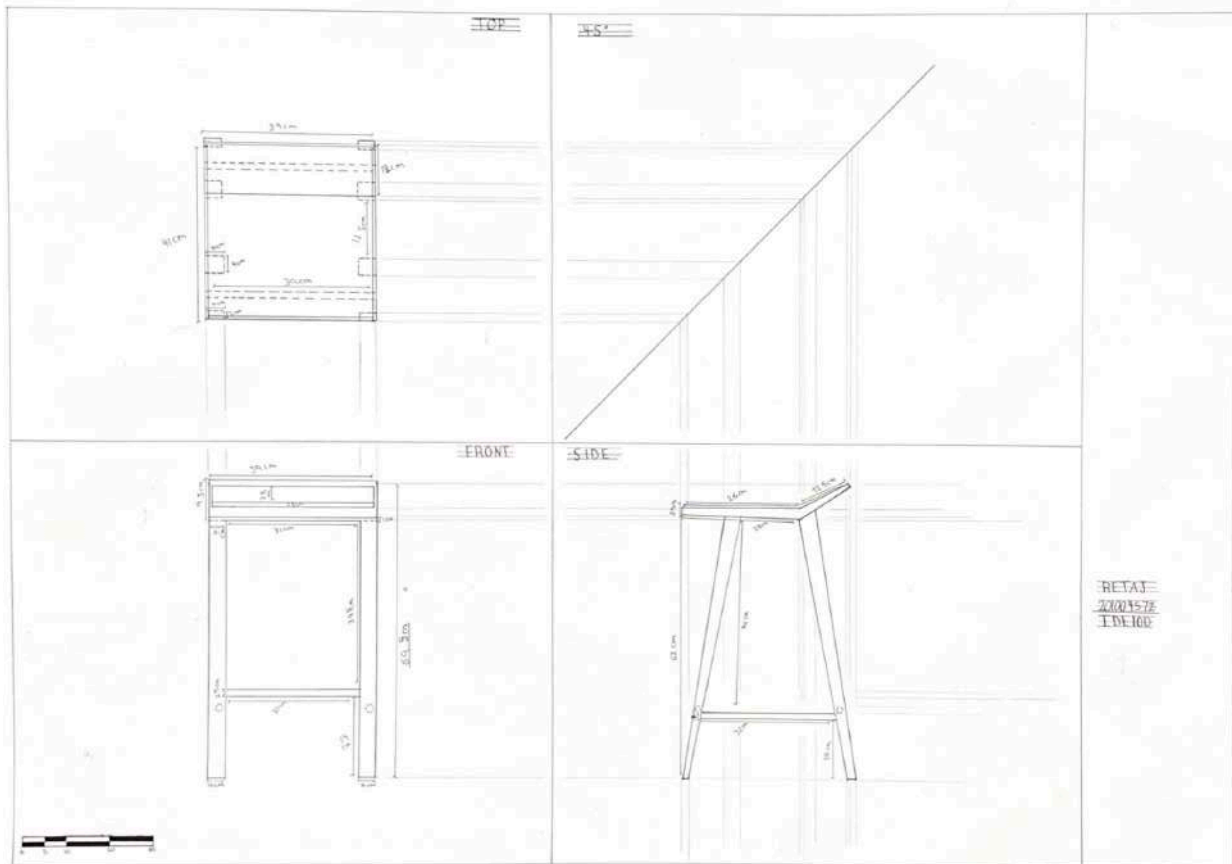
Spring 2025

IDE

Fall 2024 - Spring 2025

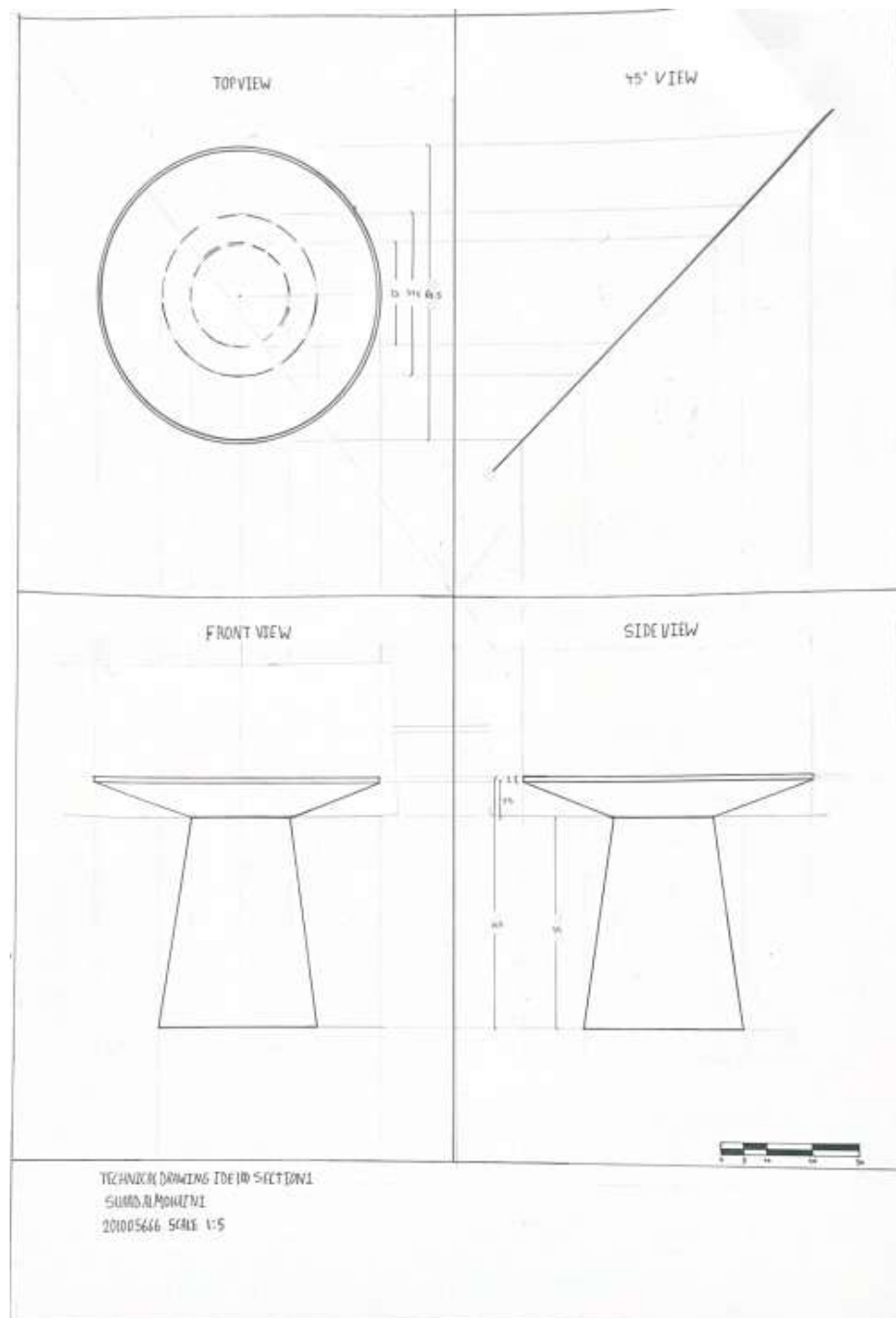
IDE100: Technical Drawing

This course teaches students how to read / understand the interior spaces through technical drawing. Gain skills in using manual drawing tools. Differentiation between plan, elevation and section. Understand isometric and perspective drawing. Student will be able to imagine and draw any object using orthographic projection.



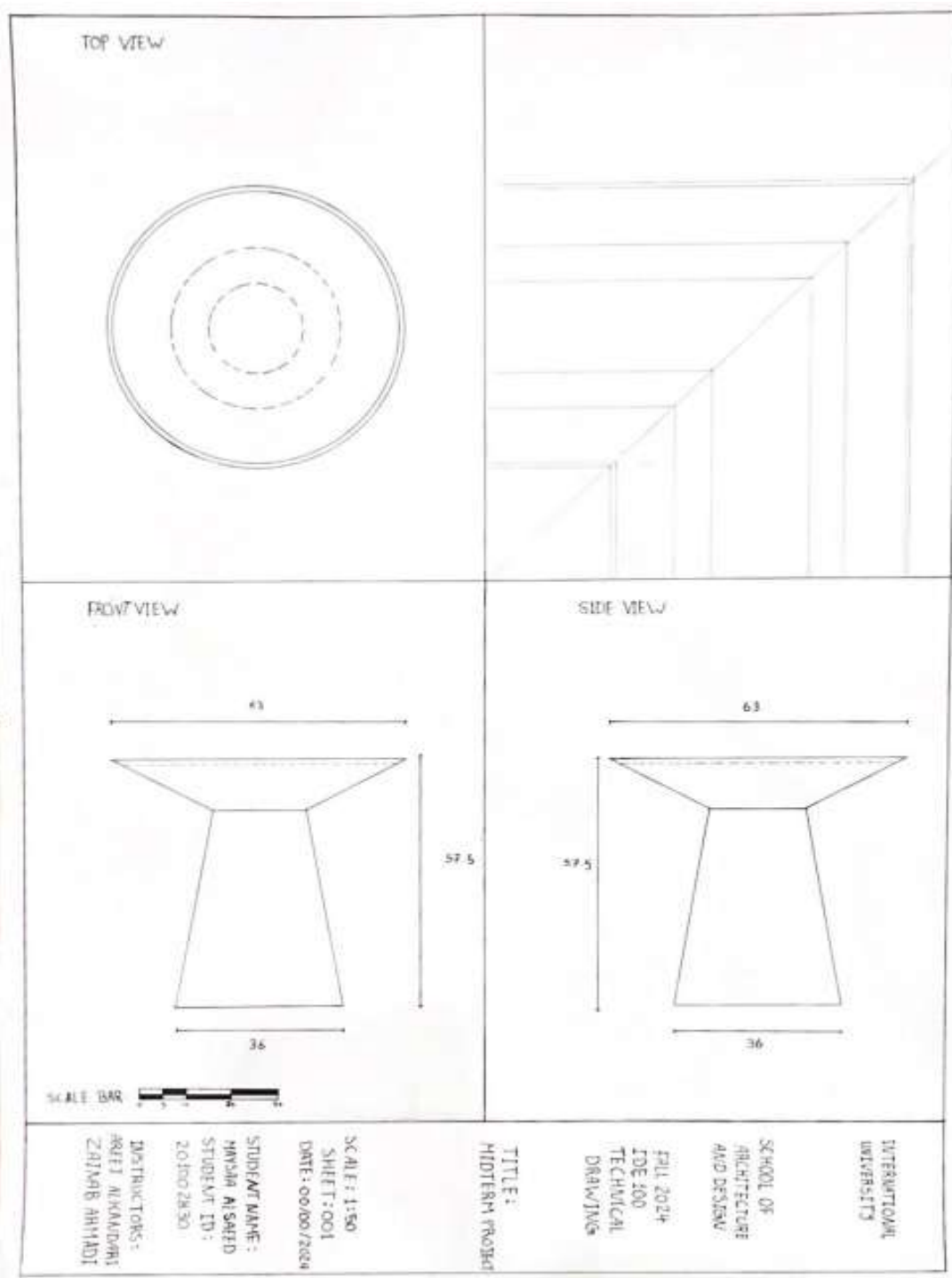
Retaja Almubereek- 201004572

Fall 2024



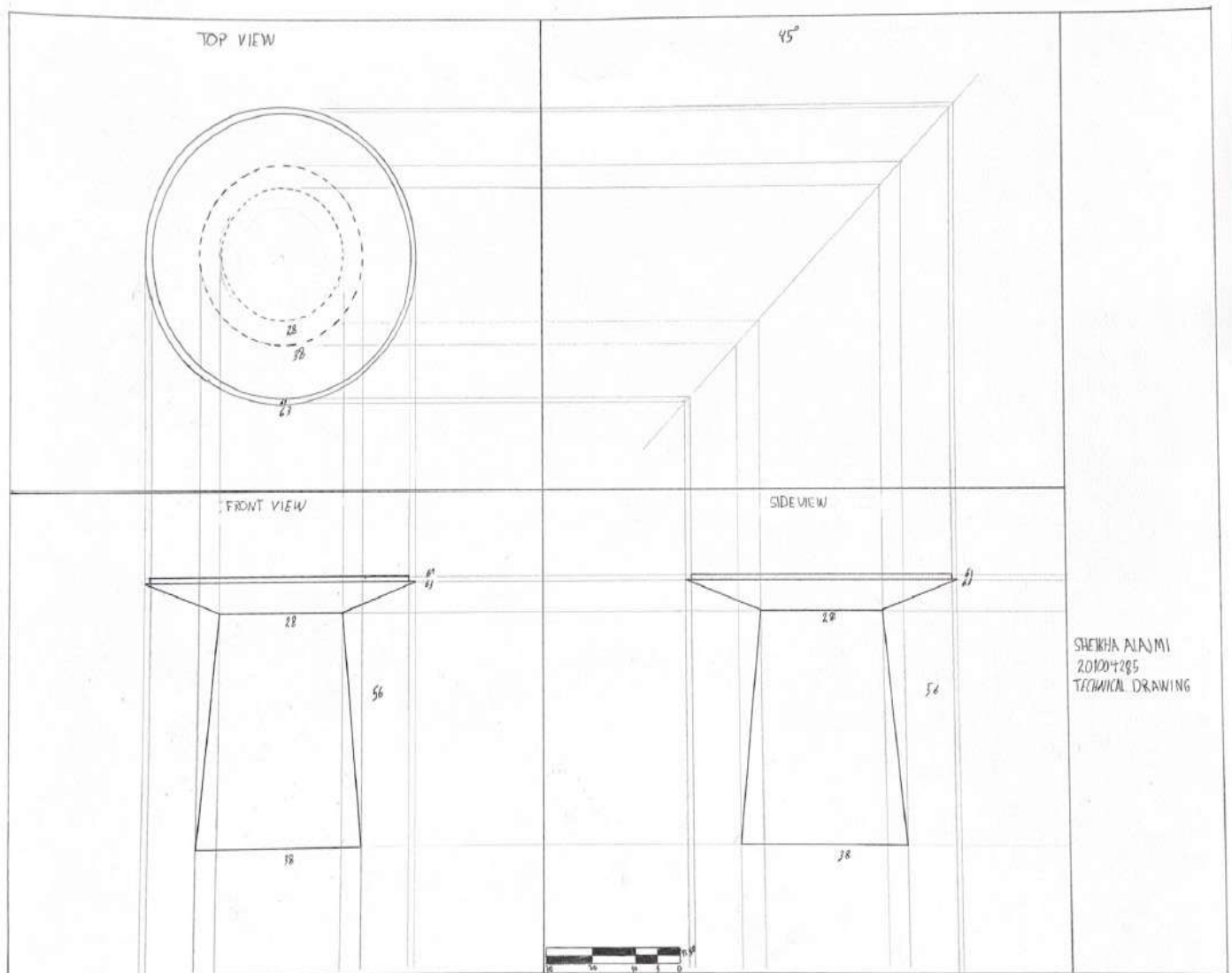
Suaad Almohaini - 201004666

Fall 2024



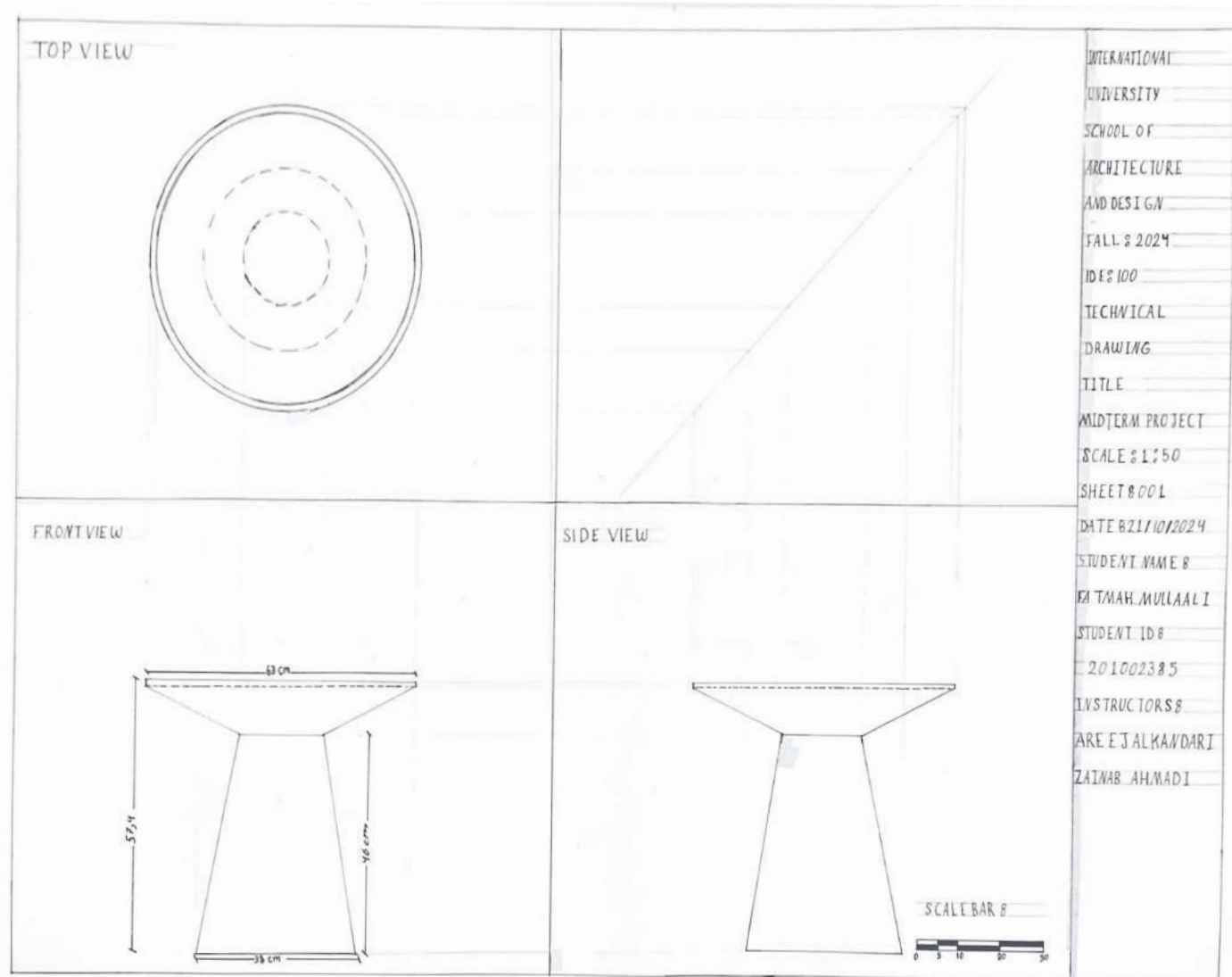
Maysa Alsaied - 201002830

Fall 2024



Shaikah Alajmi - 201004285

Fall 2024

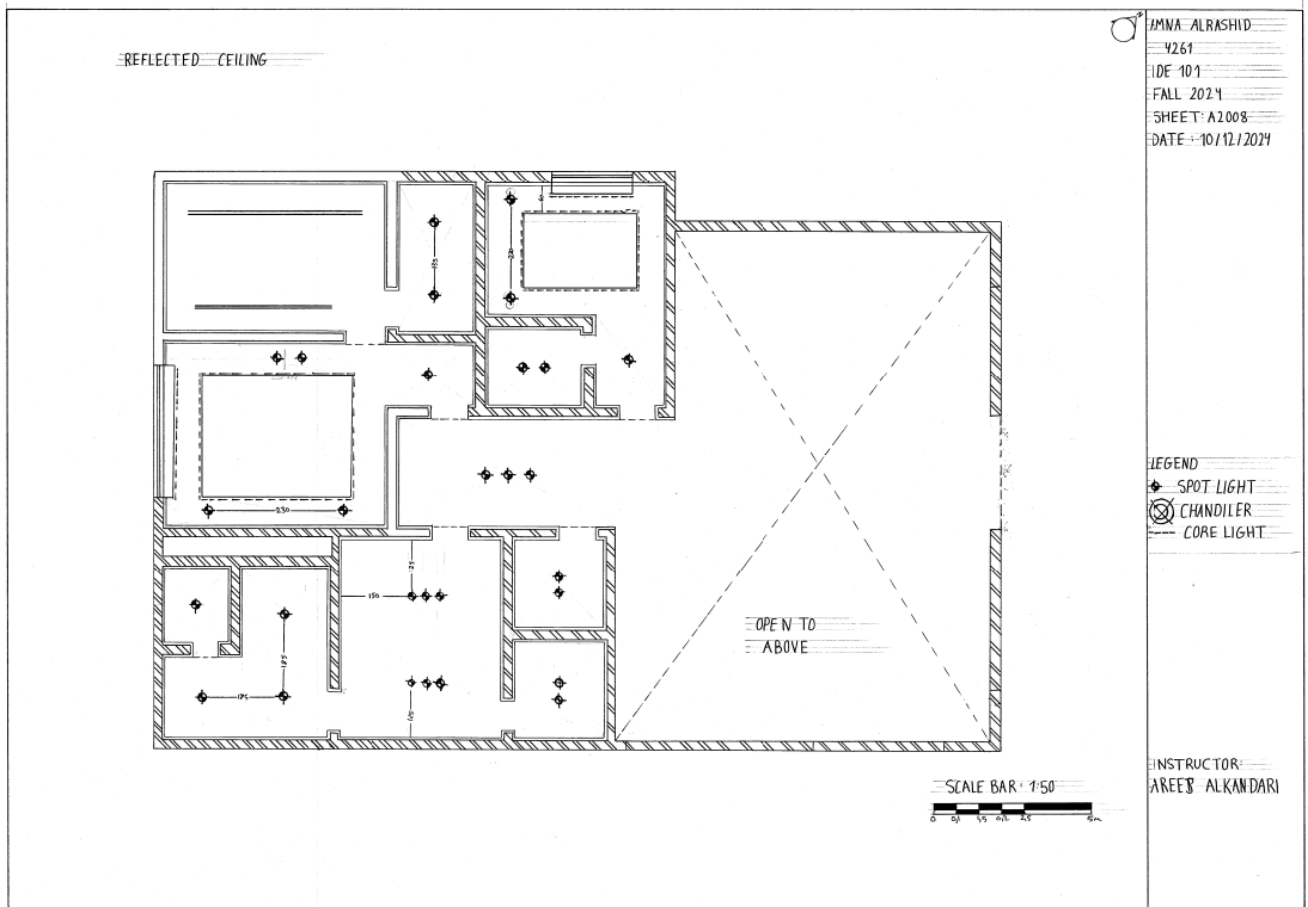


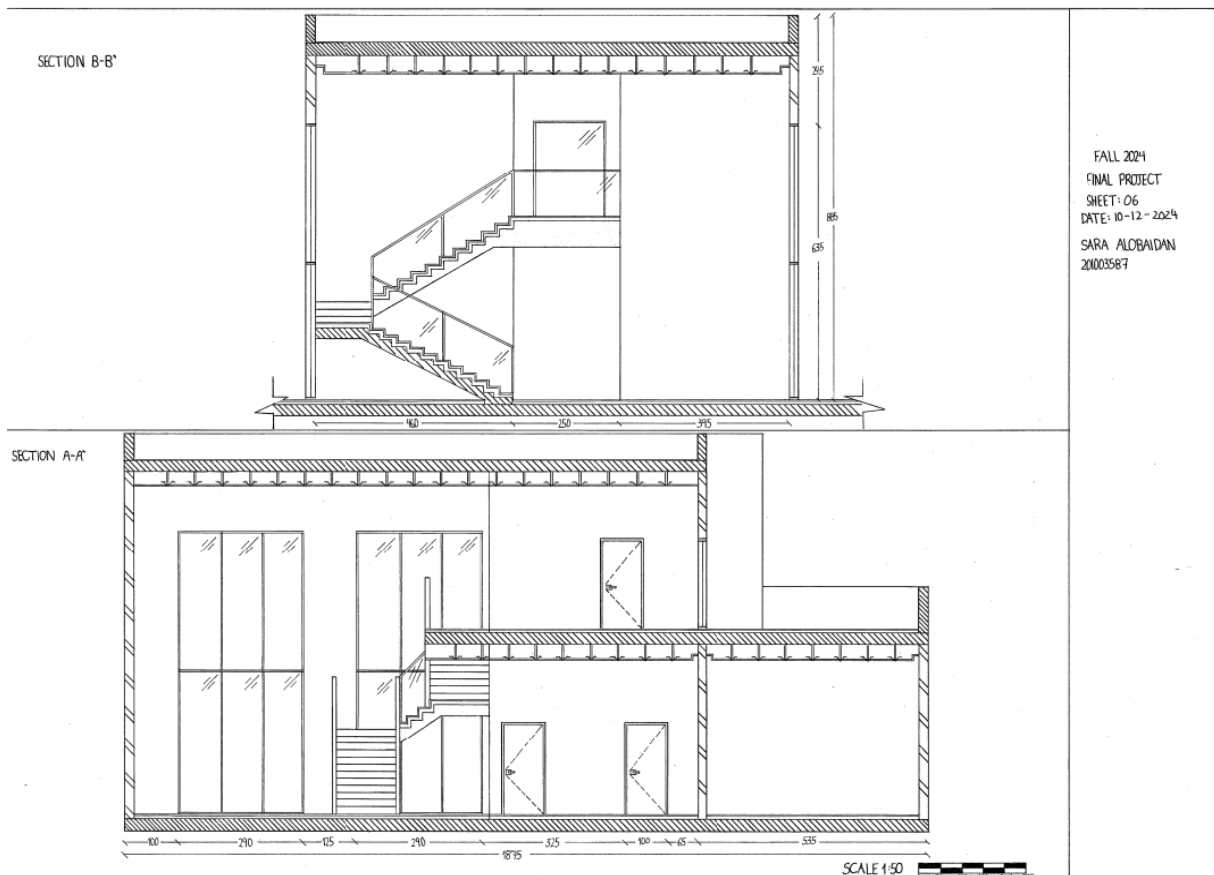
Fatmah Mullaali - 201002385

Fall 2024

IDE101: Architectural Drawing

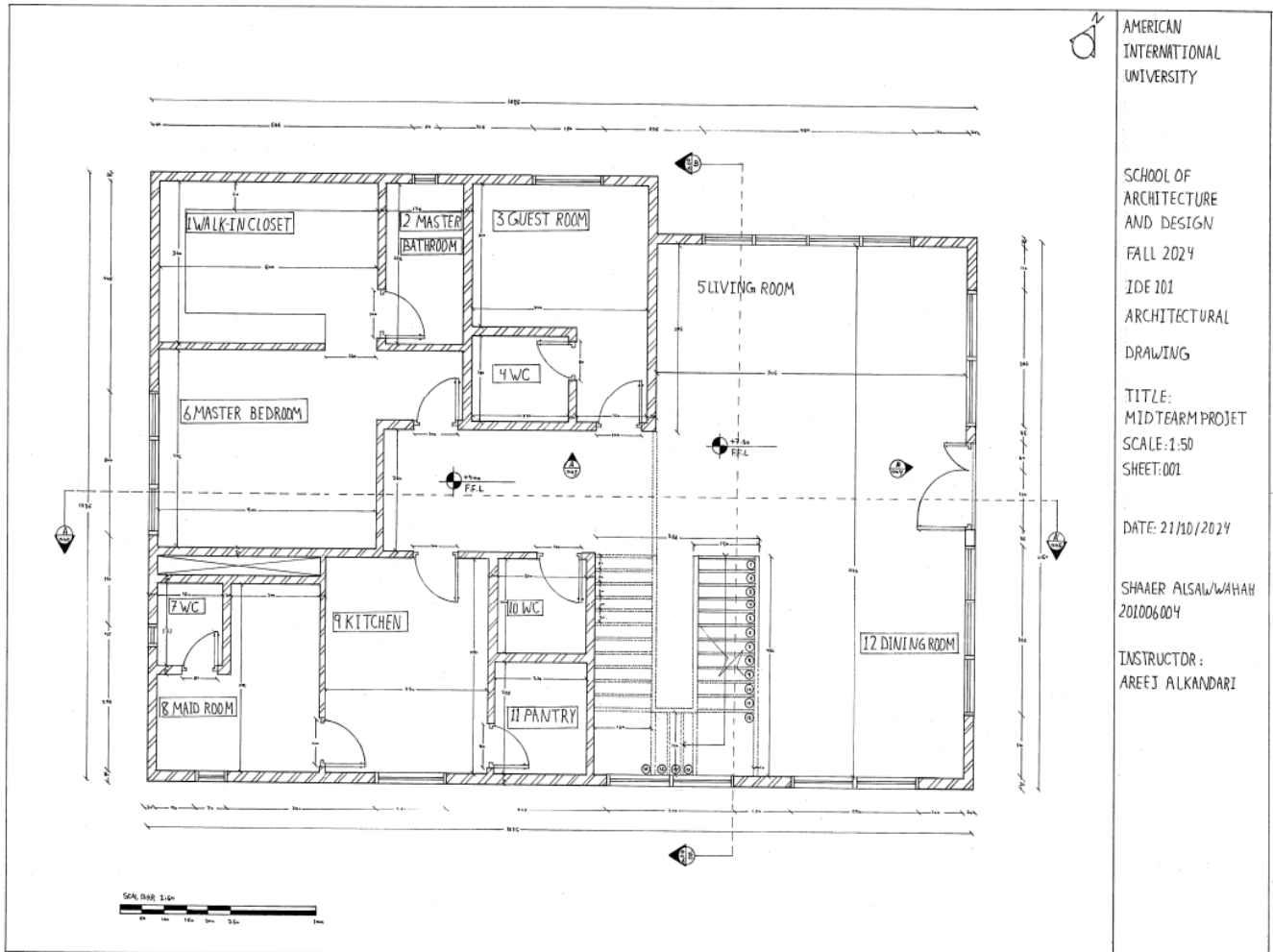
Basic architectural drawings: plans, elevations, obliques, sections, details, dimensioning and lettering; hand-drawn and basic CAD techniques; development of perspective presentation drawings.





Sara Alobaidan - 201003587

Fall 2024



AMERICAN
INTERNATIONAL
UNIVERSITY

SCHOOL OF
ARCHITECTURE
AND DESIGN
FALL 2024
IDE 101
ARCHITECTURAL
DRAWING

TITLE:
MIDTERM PROJECT
SCALE: 1:50
SHEET: 001

DATE: 21/10/2024

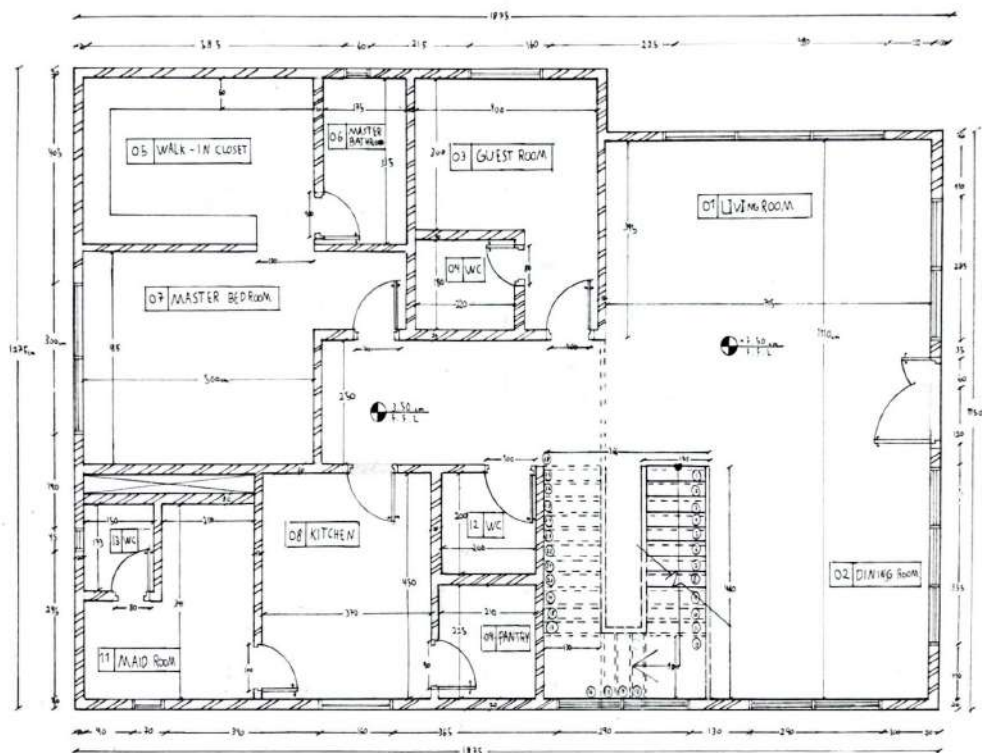
SHAAER ALSAWWAH
201006004

INSTRUCTOR:
AREEJ ALKANDARI

Shaaer Alsawwah - 201006004

Fall 2024

GROUND FLOOR PLAN



AMERICAN
INTERNATIONAL
UNIVERSITY

SCHOOL OF
ARCHITECTURE
AND DESIGN

SPRING 2025

IDE 101

ARCHITECTURAL
DRAWING

MIDTERM PROJECT

SCALE: 1:50

SHEET: 003

16/3/2025

YUSRA AHA ALMAYYAL

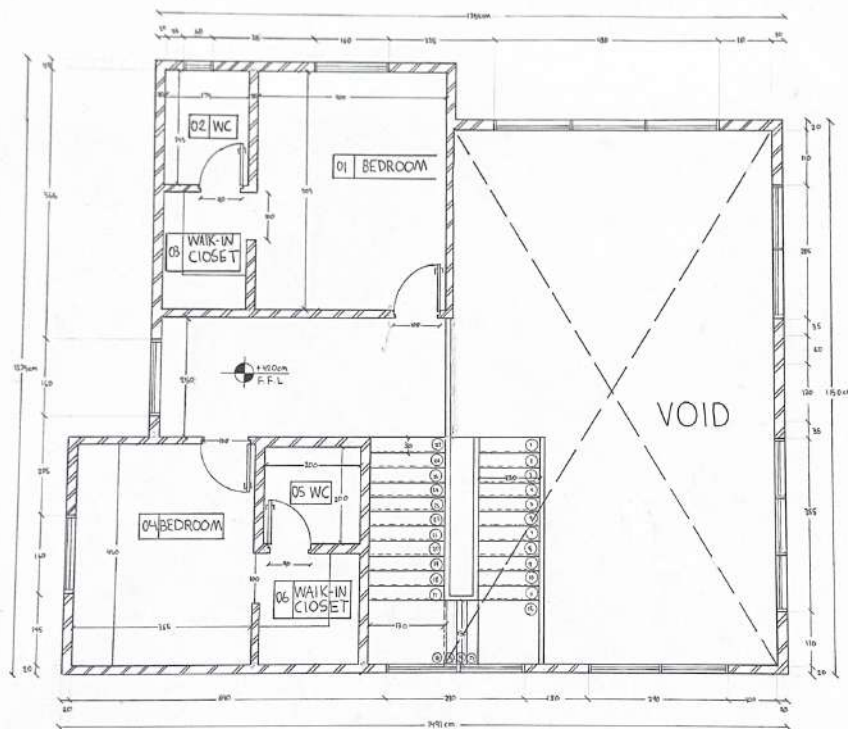
201002496

MS. ARET J. ALKANDARI

Yusra Almay - 201002496

Spring 2025

MEZZANINE PLAN



SCALE BAR 1:50
0 5 10 15 20

AMERICAN
INTERNATIONAL
UNIVERSITY

SCHOOL OF
ARCHITECTURE
AND DESIGN

SPRING 2025

IDE 101
ARCHITECTURAL
DRAWING

TITLE :
MIDTERM PROJECT

SCALE 1:50

SHEET: 004

DATE: 19 / 3 / 2025

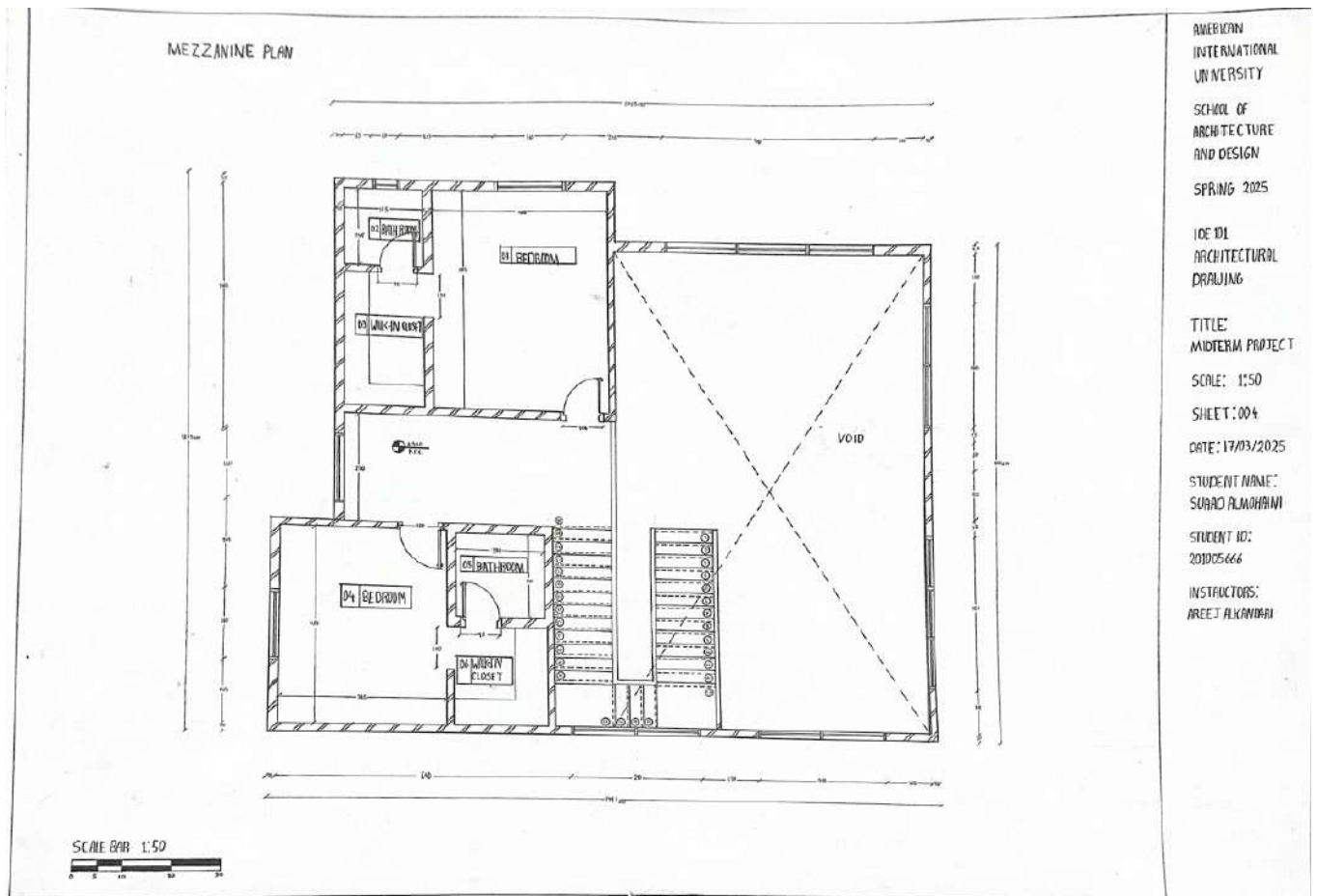
STUDENT NAME:
WEDAD ENEZI

STUDENT ID:
201005219

INSTRUCTOR:
AREEF AL KANDARI

Wedad Al Enezi - 201005219

Spring 2025



AMERICAN
INTERNATIONAL
UNIVERSITY
SCHOOL OF
ARCHITECTURE
AND DESIGN
SPRING 2025

1001
ARCHITECTURAL
DRAWING

TITLE:
MODERN PROJECT

SCALE: 1:50

SHEET: 004

DATE: 17/03/2025

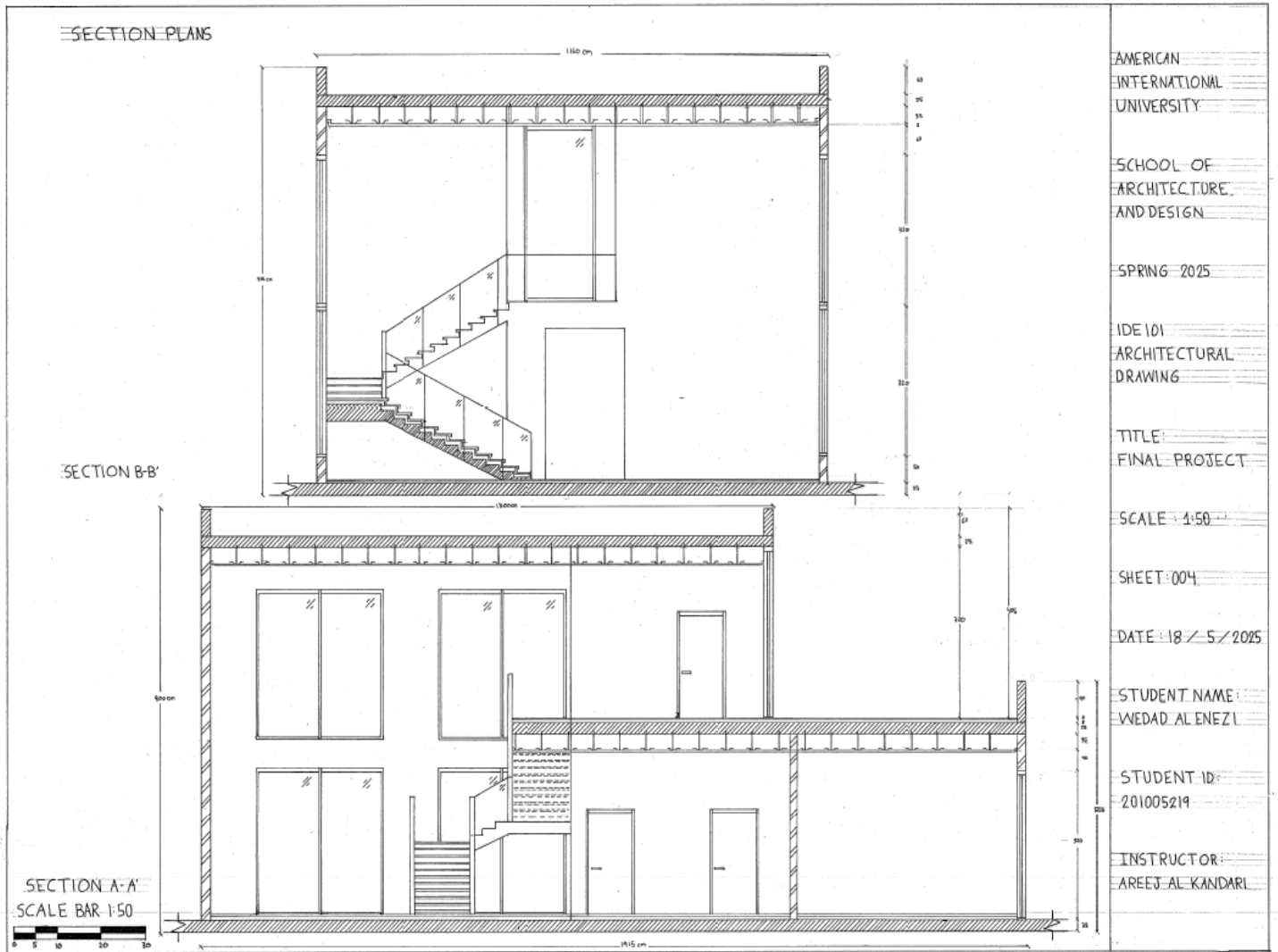
STUDENT NAME:
SUAAD ALMOHAINI

STUDENT ID:
201005666

INSTRUCTORS:
AREJ ALKANDARI

Suaad Almohaini - 201005666

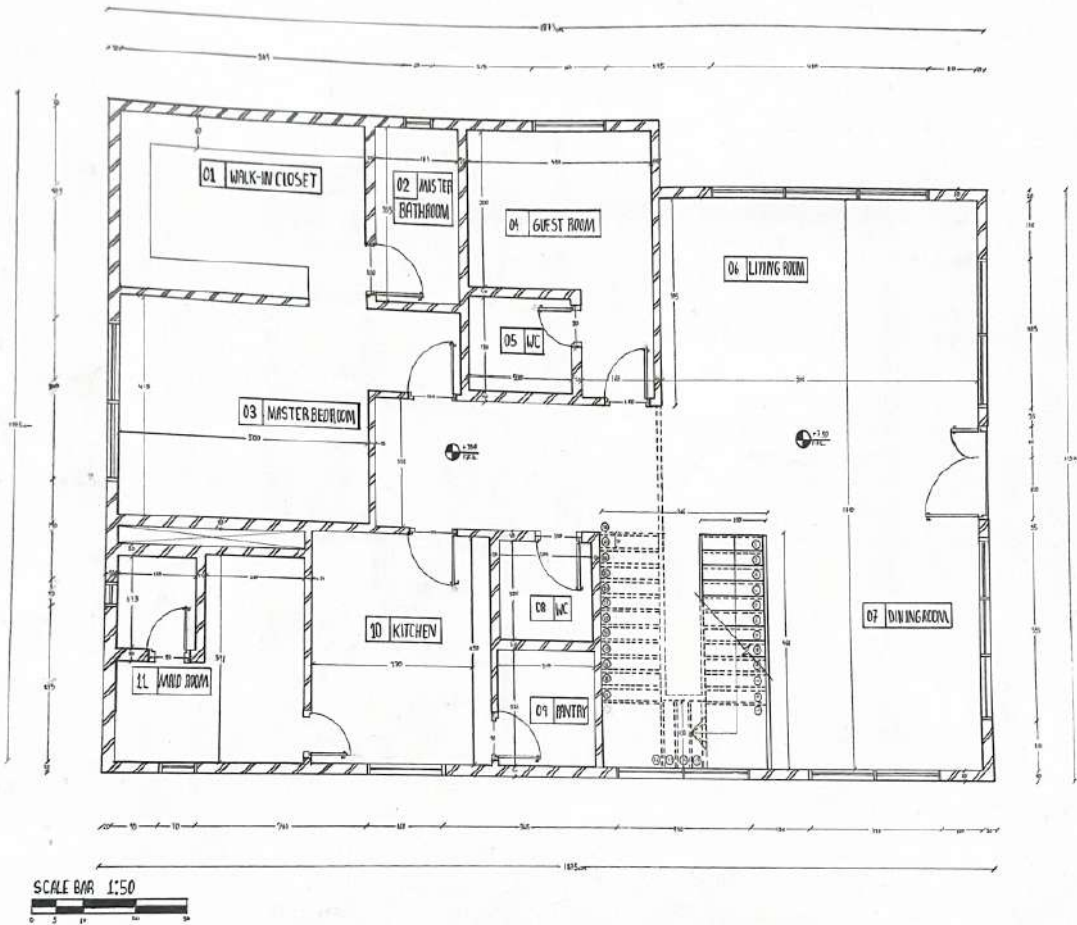
Spring 2025



Wedad Al Enezi - 201005219

Spring 2025

GROUND FLOOR PLAN



AMERICAN
INTERNATIONAL
UNIVERSITY
SCHOOL OF
ARCHITECTURE
AND DESIGN
SPRING 2025

IDE 101
ARCHITECTURAL
DRAWING

TITLE:
MIDTERM PROJECT

SCALE: 1:50

SHEET: 003

DATE: 17/03/2025

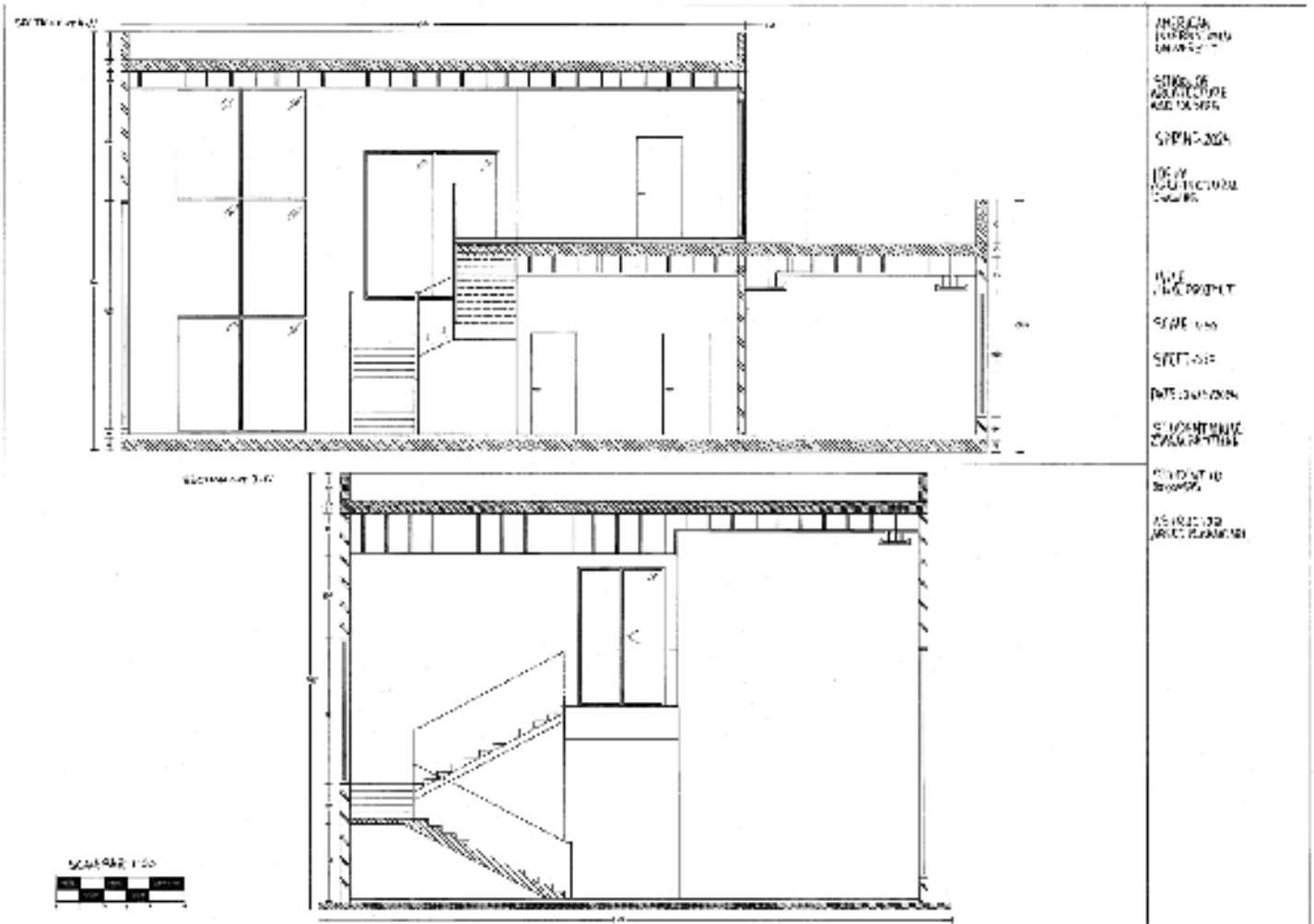
STUDENT NAME:
SUAAD ALMOHAINI

STUDENT ID:
201005666

INSTRUCTORS:
ABEET AL KHANDAN

Suaad Almohaini - 201005666

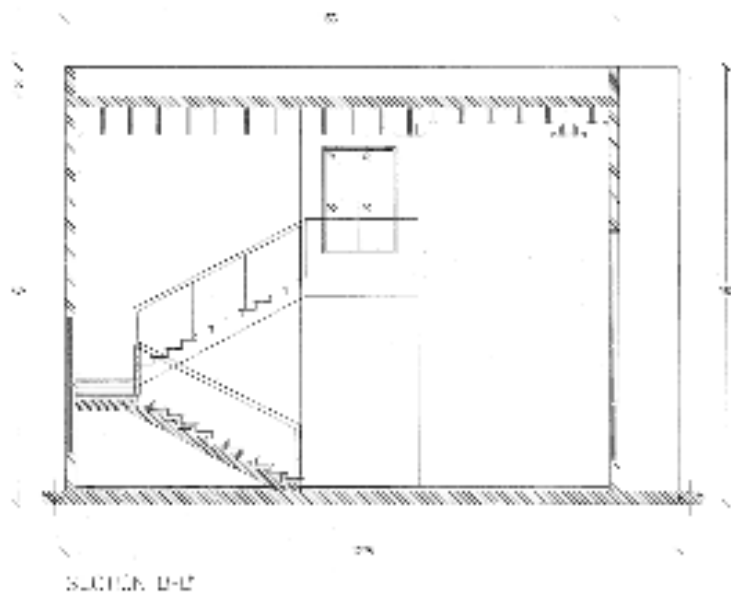
Spring 2025



Zain Al-Ramthan - 201004535

Spring 2024

SECTION PLAN



AMERICAN
INTERNATIONAL
UNIVERSITY
SCHOOL OF
ARCHITECTURE
AND DESIGN
STUDENT ID:
01101
ARCHITECTURAL
DRAWING
FIRST PROJECT
SCALE 1/8"
SHEET 005
DATE 2/12/2021
SECTION D
YARA EL-MASHAD
201004414
INSTRUCTOR
ARTUR J. KANDARI

Yara El-Mashad - 201004414

Spring 2024

IDE212: CAD II

Intermediate-level CAD. Development and creation of construction documents, space planning of interior spaces, and systems layout, using AutoCAD drafting techniques in two- and three-dimensional modes.



SCAD
School of Architecture & Design

FAJER ALRABBAN -201004698
CAD II - IDE 212
FINAL SUBMISSION

Fajer Alrabban - 201004698

Spring 2025





Yara Elmashad - 201004414

Spring 2025



Sara Al Anezi - 201002901

Spring 2025

IDE221: Interior Design Studio I

Single family residential/small-scale office. Presentation techniques; introduction to media and methods used in the preparation of presentation boards: layout, selection, rendering, plan, elevation, lettering and verbal presentation.



Dalal Al Shammari - 201002444

Fall 2024



Ghaya Al Ansari - 201002867

Fall 2024



Maram Alenezi - 201003186

Fall 2024

IDE301: Int Perspective & Illustration

Visual perspective presentation techniques, including selection, construction, illustration of interior designs. Basic mechanical perspective layout and delineation techniques: pencil, pen, color marker and color pencil to relate effects of texture, volume, and light of interior space.



Dana Alhamadi - 201004471

Fall 2024



Ali Karam - 201004585

Fall 2024



Fajer Alrabban -201004698

Fall 2024



Moneera Aldabbous - 201004661

Fall 2024



Saad Aldhafiry - 201003131

Fall 2024



Shaikha Alkhalidi – 201001598

Fall 2024



Heba Mohammed - 201004531

Fall 2024



Farah Al Mutairi - 201001874

Fall 2024



Tasneem Al Hunayan- 201003258

Fall 2024



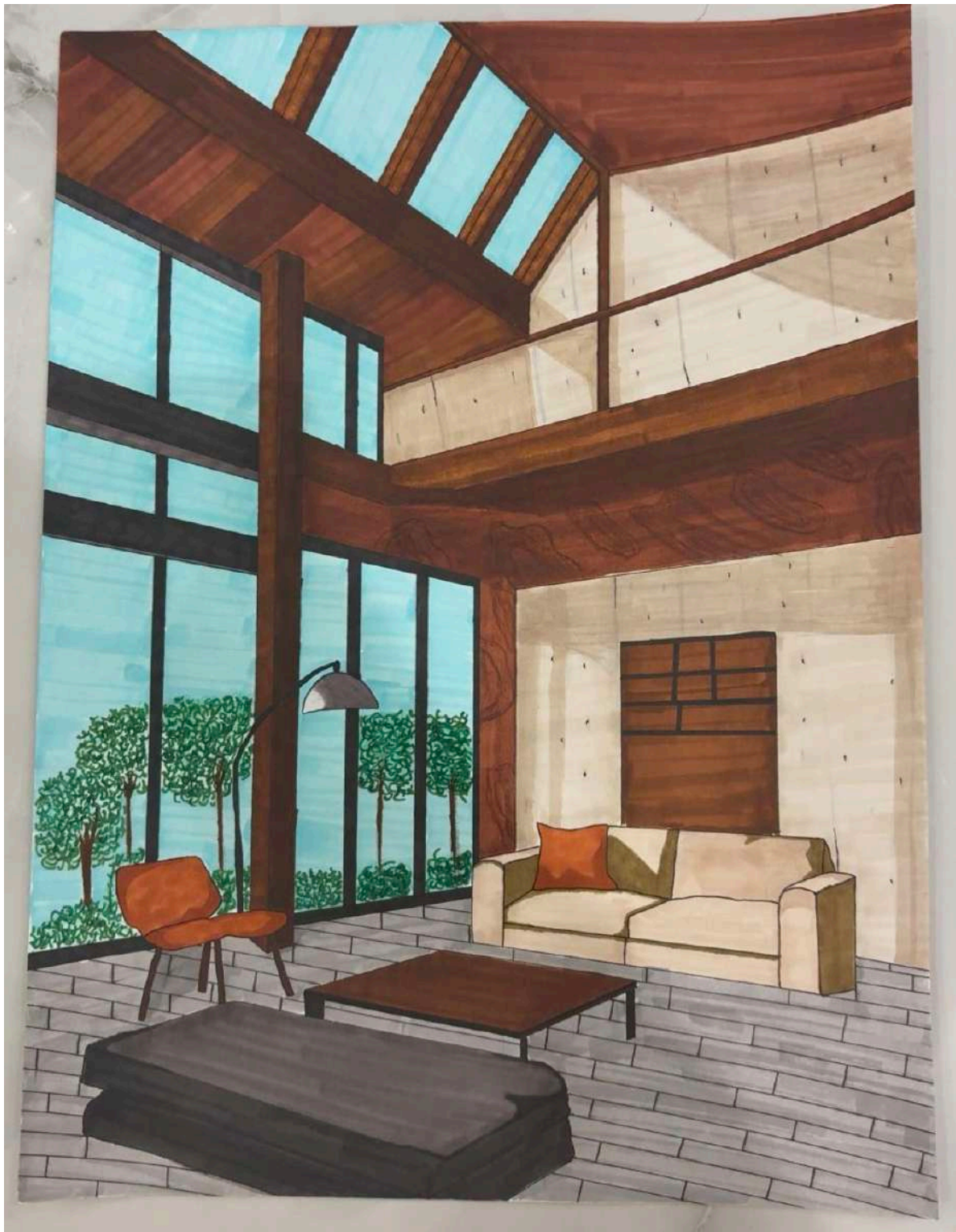
Yara Elmashad - 201004414

Fall 2024



Zainab Ghadanfar - 201001500

Fall 2024



Amnah Al Rashed - 201004261

Spring 2025



Eiman Al Shitan - 201005451

Spring 2025



Maryam Al Mutairi- 201003594

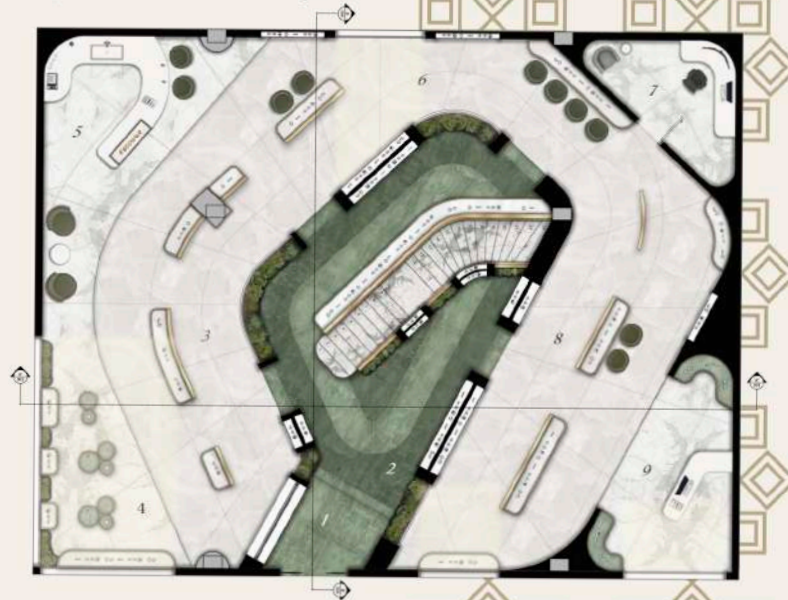
Spring 2025

IDE321: Interior Design Studio III

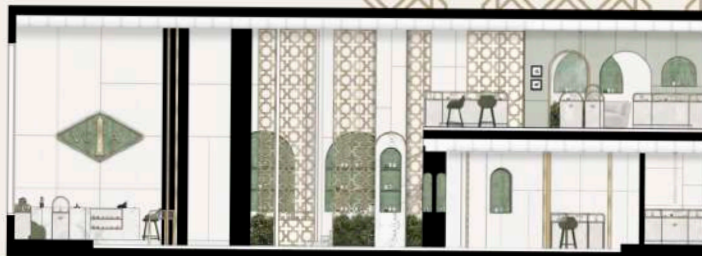
Retail/contract open-office system, medium to large scale, new or adaptive reuse projects. Advanced hand and CAD graphic, presentation skill development, incorporating building and barrier-free codes, HVAC and lighting principles, furniture, and equipment specification.

Van Cleef & Arpels

Ground Floorplan



Section A-A'



Legend:

- | | | |
|-------------------|--------------------------|----------------------|
| 1- Entrance | 4- Display Window Podium | 7- Security Room |
| 2- Main Area | 5- F&B Area | 8- Newest Collection |
| 3- 90s Collection | 6- 2000s Collection | 9- Cashier |



SCAD
School of Architecture & Design

Course: Interior Design Studio II
Instructor: Ms. Hilda Youssef

Student Name: Fajer Alduaij
Student ID: 201002627

Fajer Alduaij - 201002627

Fall 2024

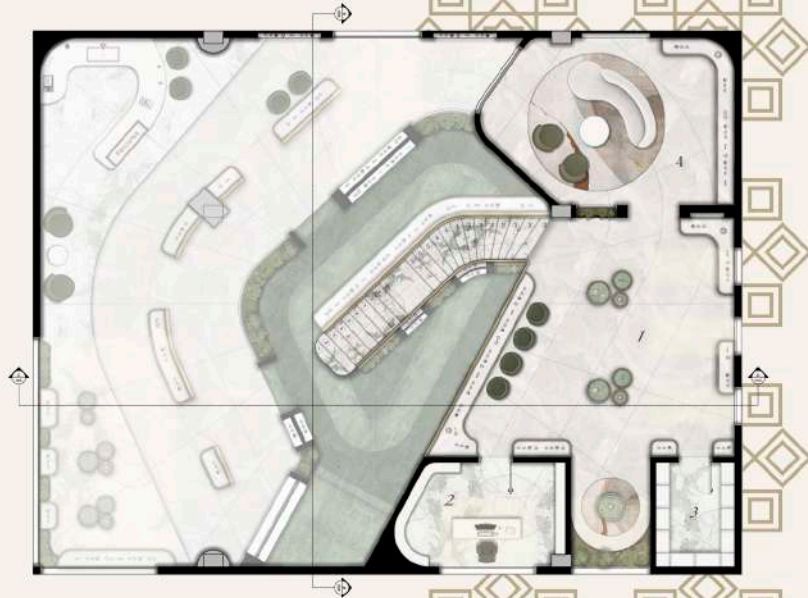


Noura Abbas - 201001433

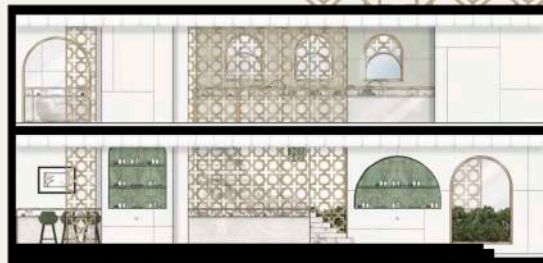
Fall 2024

Van Cleef & Arpels

Mezzanine



Section B-B



Legend:

- | | |
|-------------------------|-----------------|
| 1- Exclusive Collection | 3- Storage Room |
| 2- Manager's Office | 4- VIP Lounge |



SCAD
School of Architecture & Design

Course: Interior Design Studio II
Instructor: Ms. Hilda Youssef

Student Name: Fajer Alduajj
Student ID: 201002627

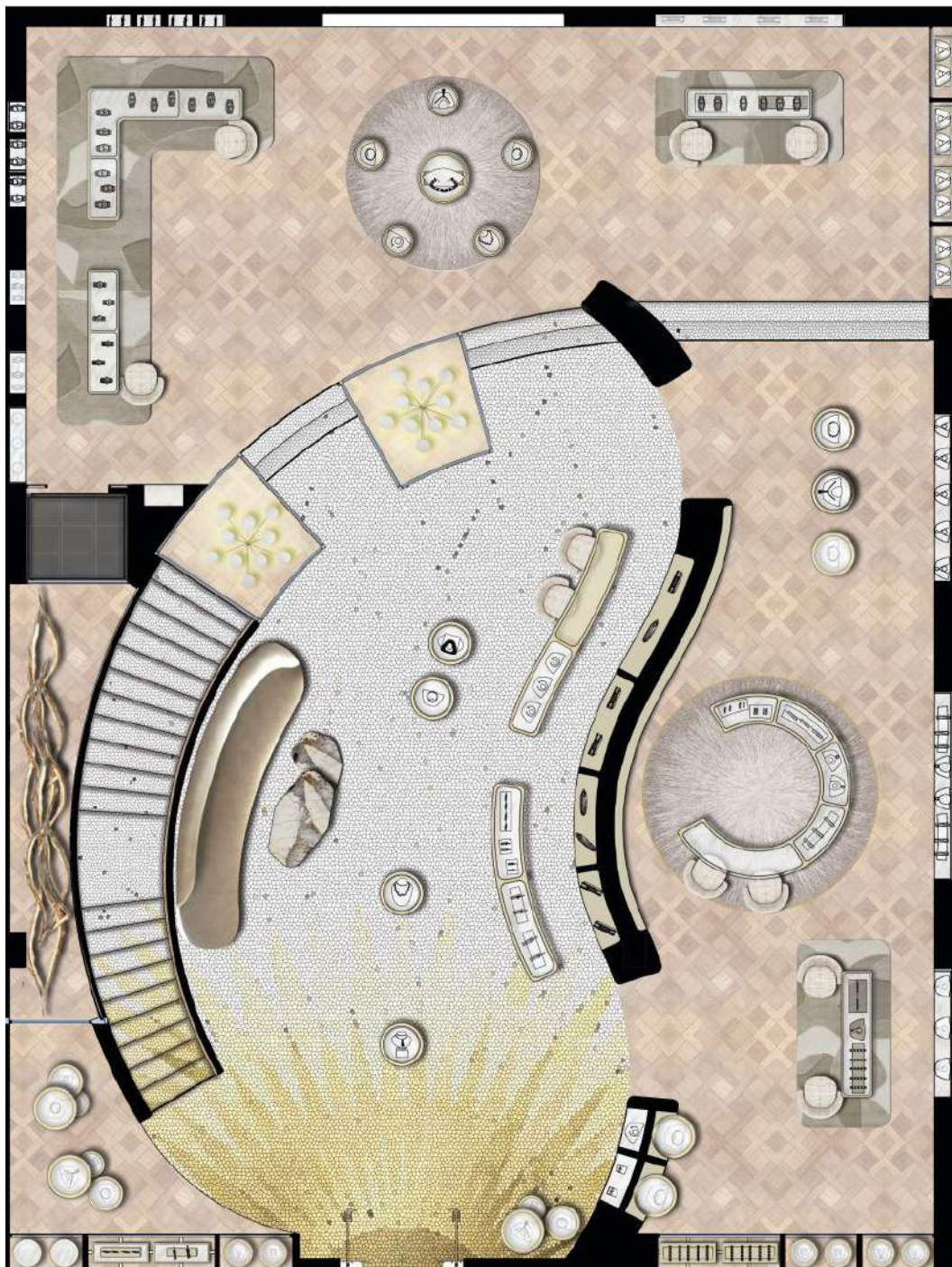
Fajer Alduajj - 201002627

Fall 2024



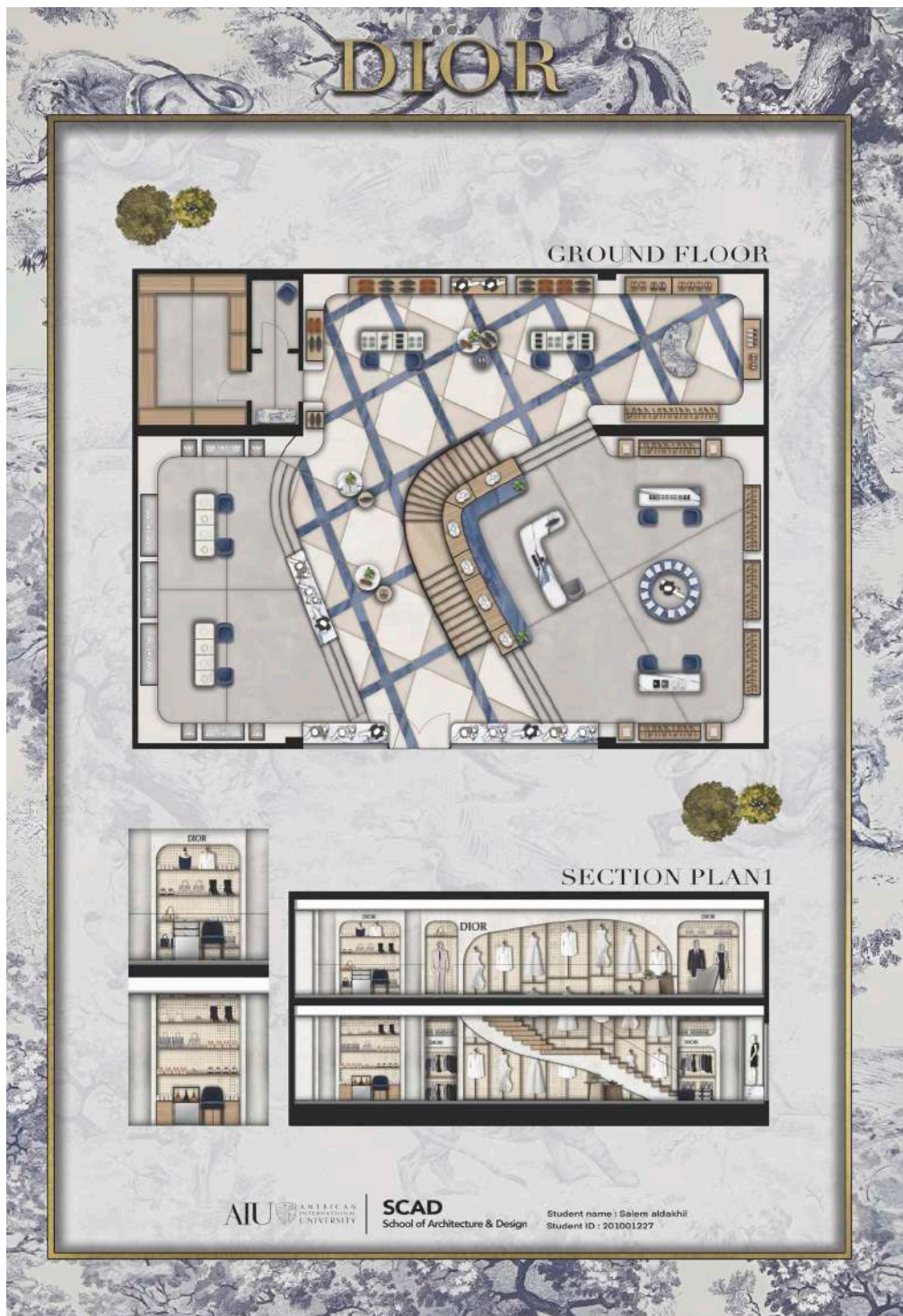
Salem Aldakhil- 201001227

Fall 2024



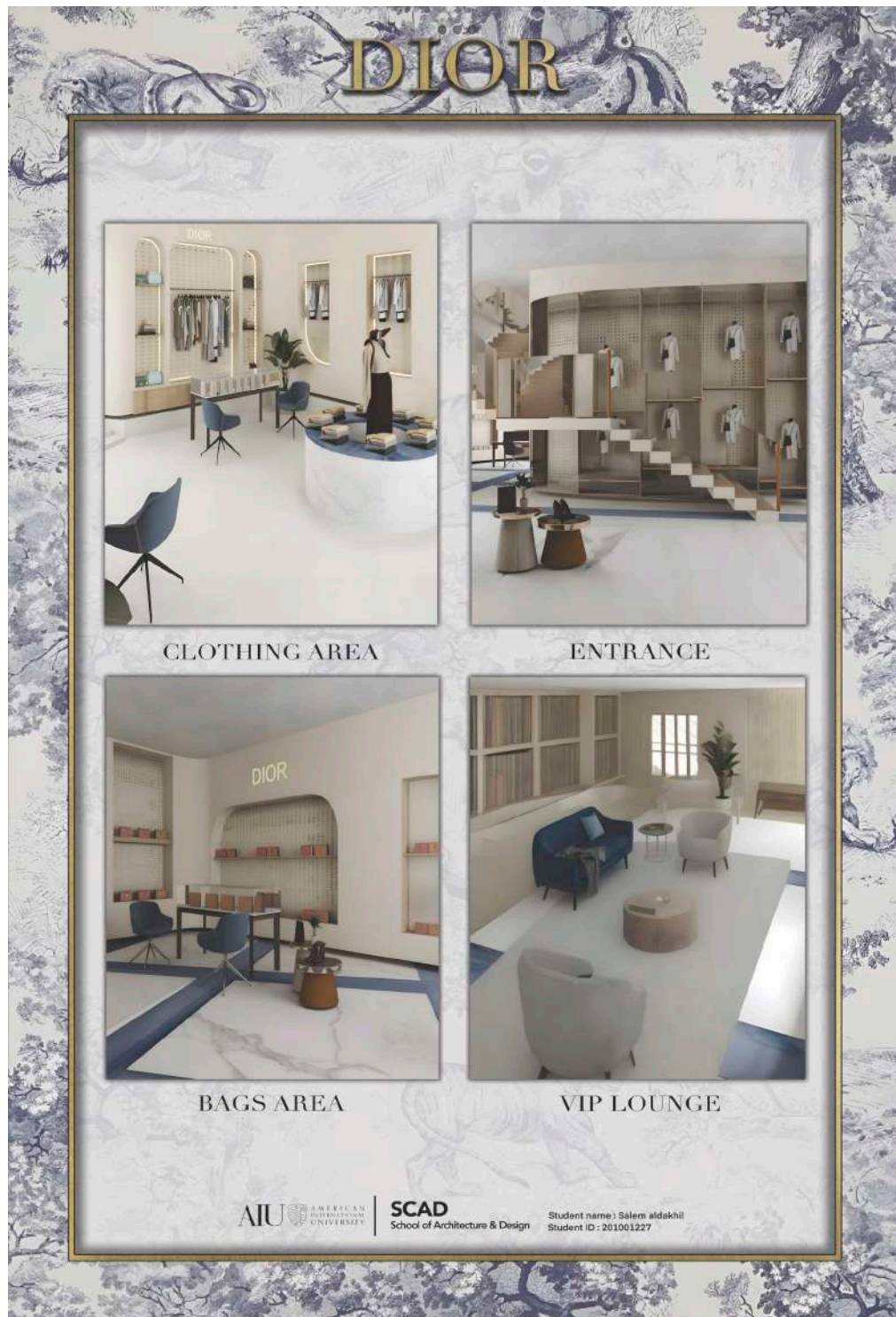
Noura Abbas - 201001433

Fall 2024



Salem Aldakhil- 201001227

Fall 2024



Salem Aldakhil- 201001227

Fall 2024



Heba Mohammed- 201004531

Spring 2025



SECTION A-A

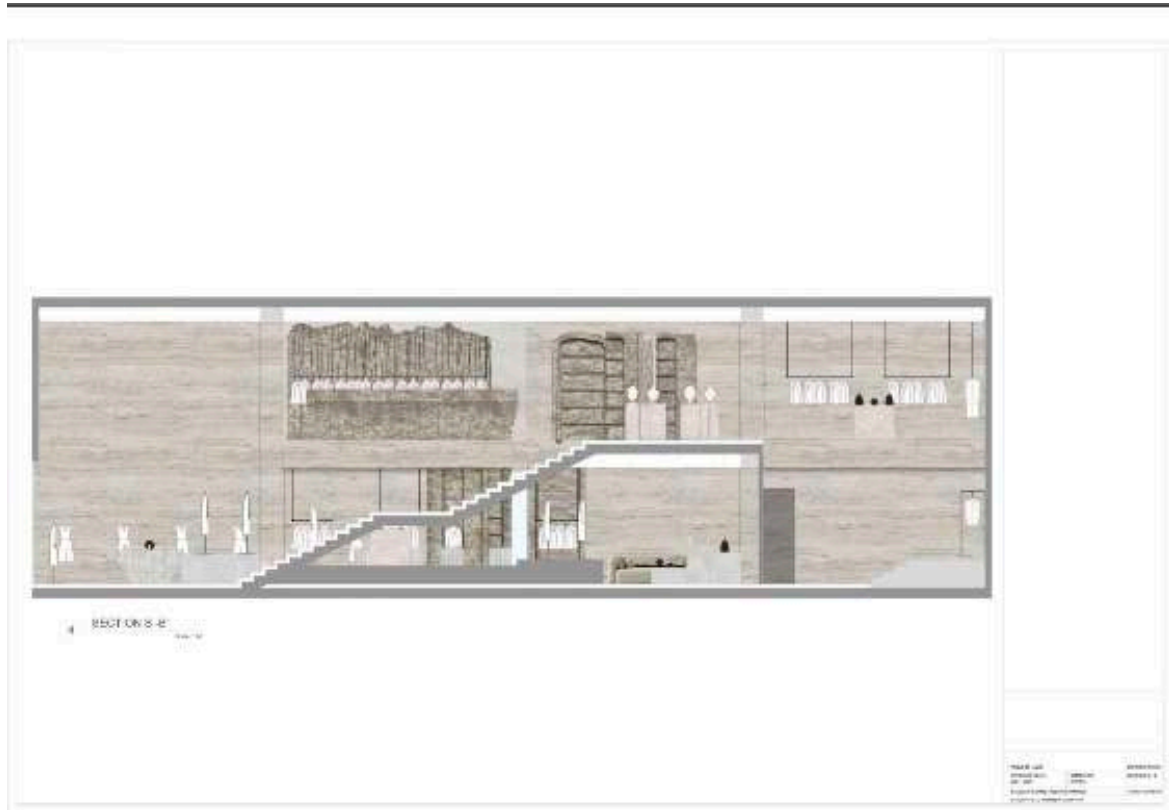
Heba Mohammed- 201004531

Spring 2025



Heba Mohammed- 201004531

Spring 2025



Heba Mohammed- 201004531

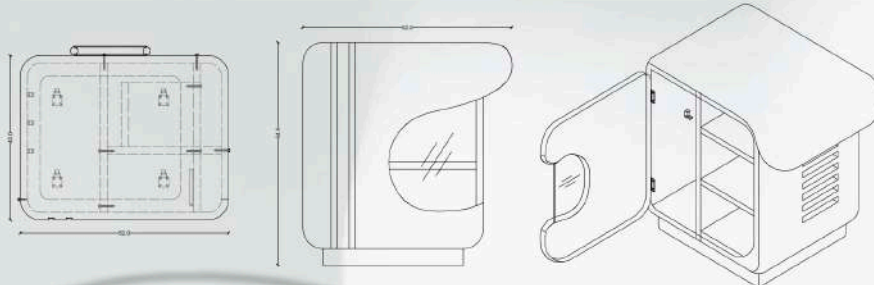
Spring 2025

IDE341: Furniture & Product Design

History, ergonomic and design development of furniture and product design. Projects evolve from hand and CAD drawings to scaled models of furniture and product designs.

FURNITURE & PRODUCT DESIGN

Many can agree that transporting the Playstation gaming console from place to place can be a hassle, so I decided to create a furniture piece that works both as a portable storage and decor piece for the Playstation and its accessories



Technical Drawings



1: Cabinet door that opens from the left to store the Playstation in

2: Shelves for Playstaion controllers

3: Shelves on the right side for Playstation discs

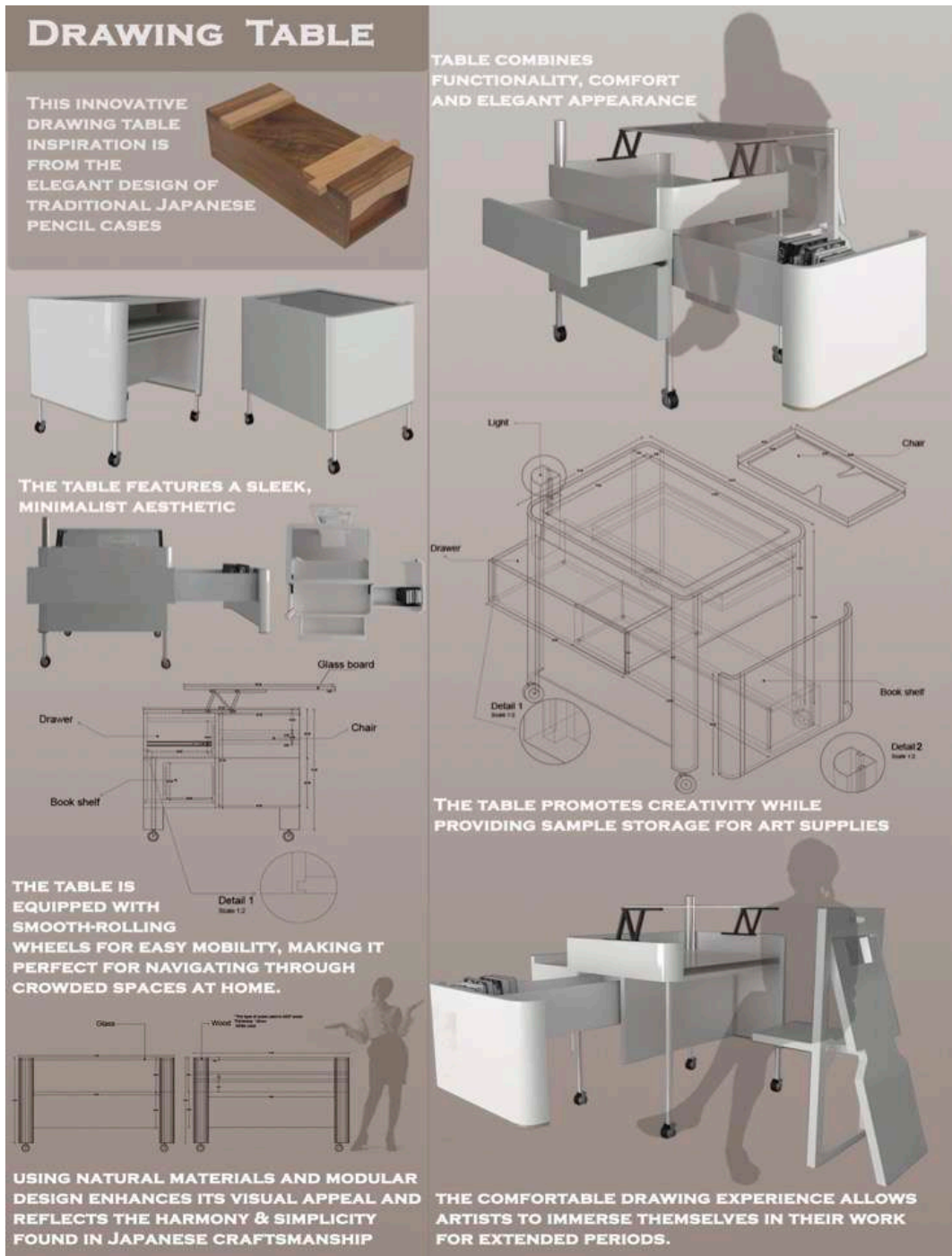
4: Back handle for transporting the furniture piece

AIU AMERICAN
UNIVERSITY
By Fajer Alduajj

SCAD
School of Architecture & Design
ID# 201002627

Fajer Alduajj - 201002627

Fall 2024





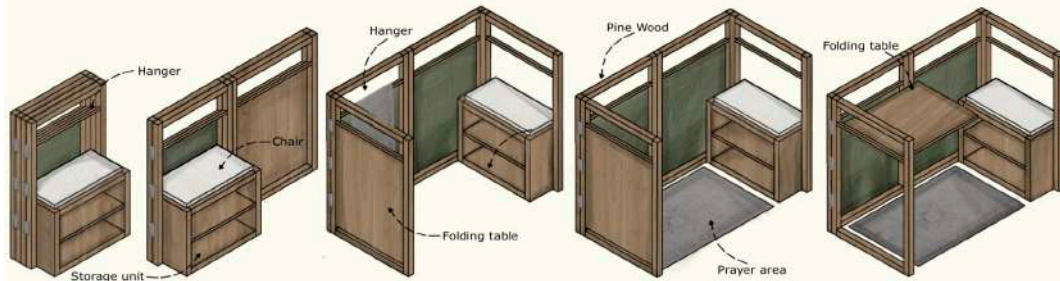
Fajer Alduajj - 201002627

Fall 2024

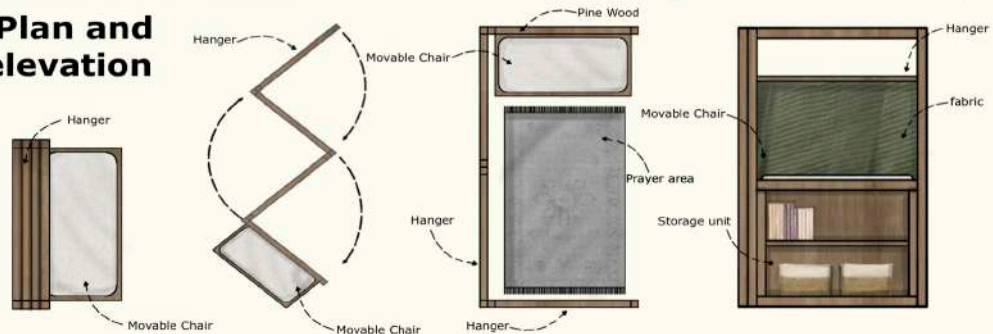
Prayer Corner

IDEA

The concept behind the prayer corner design is to create a serene yet functional space that seamlessly combines tranquility with practicality. This versatile design transforms into a mobile storage unit, incorporating a chair, a table for reading the Quran, and a hanger for prayer garments.



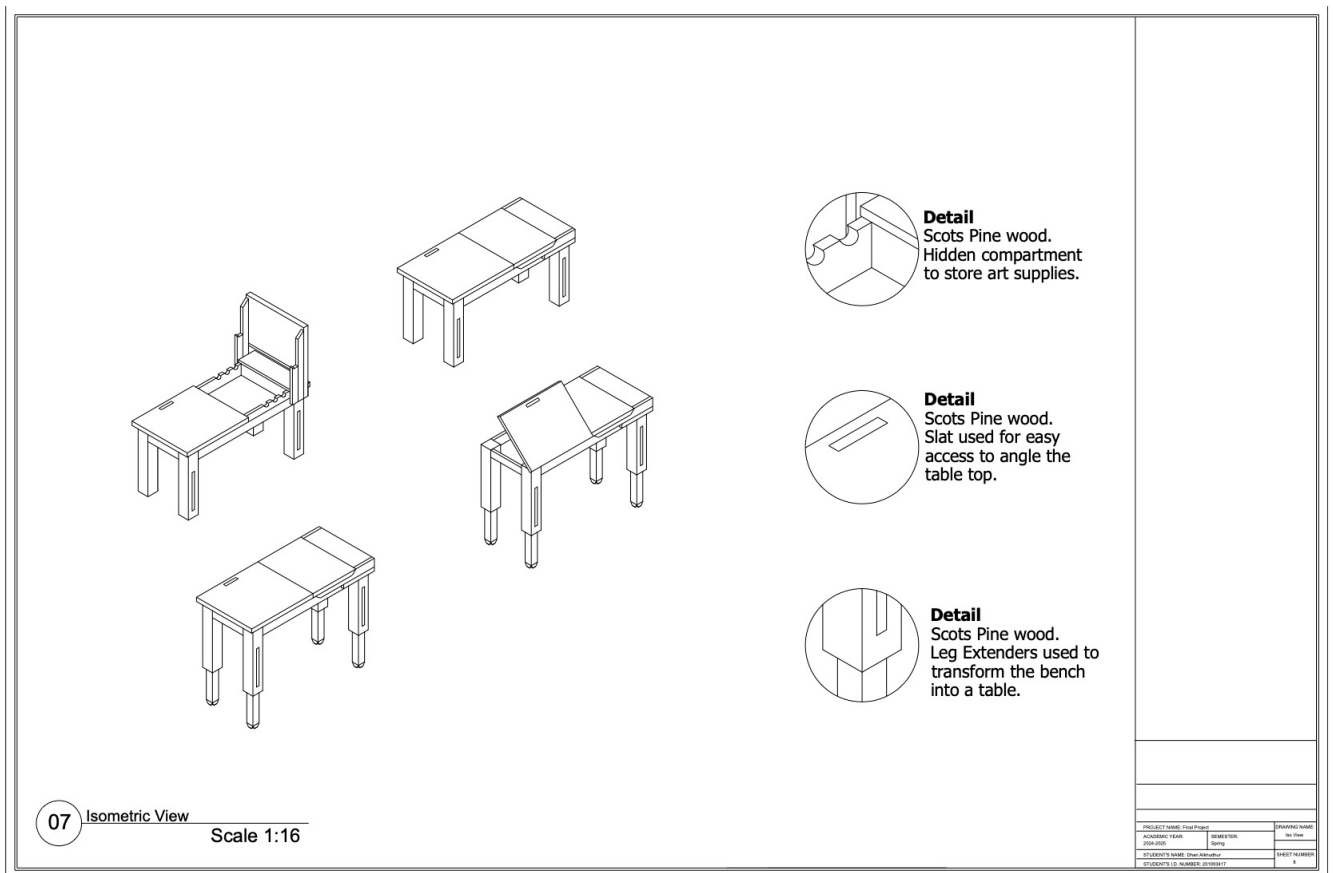
Plan and elevation





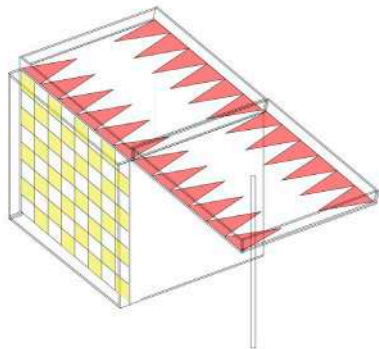
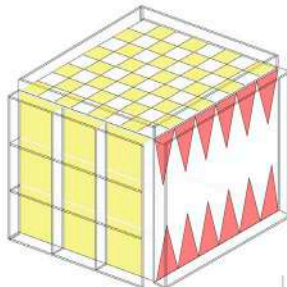
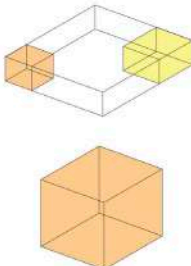
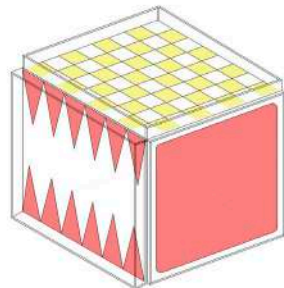
Fajer Alduajj - 201002627

Fall 2024



Dhari AlKudur - 201003417

Spring 2025

BACKGAMMON GAME ISO	ISO		
	 		
BACKGAMMON GAME ACRYLIC MATERIAL THICKNESS 3mm		PROJECT: Final Assessment	
		COURSE NAME: Furniture And Product Design	
		COURSE CODE: IDE 341	
			STUDENT NAME: Norah Abbas
			STID: 201001433
			INSTRUCTOR: Ms. Hilda Youssef
		SHEET: 01	
		DATE: MAY 2025	

Noura Abbas - 201001433

Spring 2025



Mohammed Alshatti - 201003232

Spring 2025

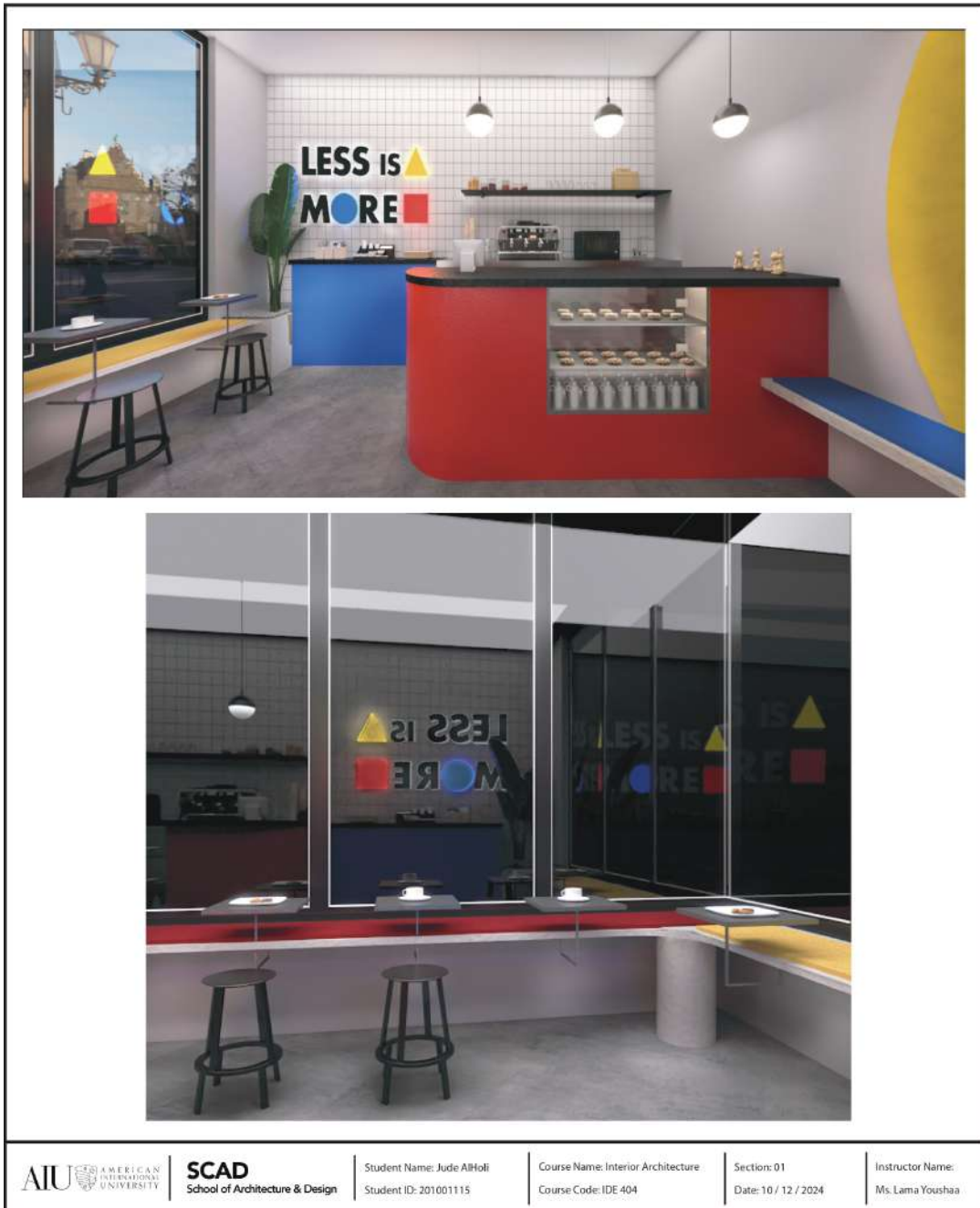
IDE404: Interior Architecture

The course is concerned with the design and construction of interior space in clear relation to an architectural and urban framework. This course aims at providing an advanced approach to transform existing places and spaces. Interior architecture focuses on elements of decoration and interior design, but it also deals with construction and architecture. Through the course, the design-related issues are addressed that include the transformation of existing structures through the progressive and interesting approach.



Fai Al Shamlan - 201002135

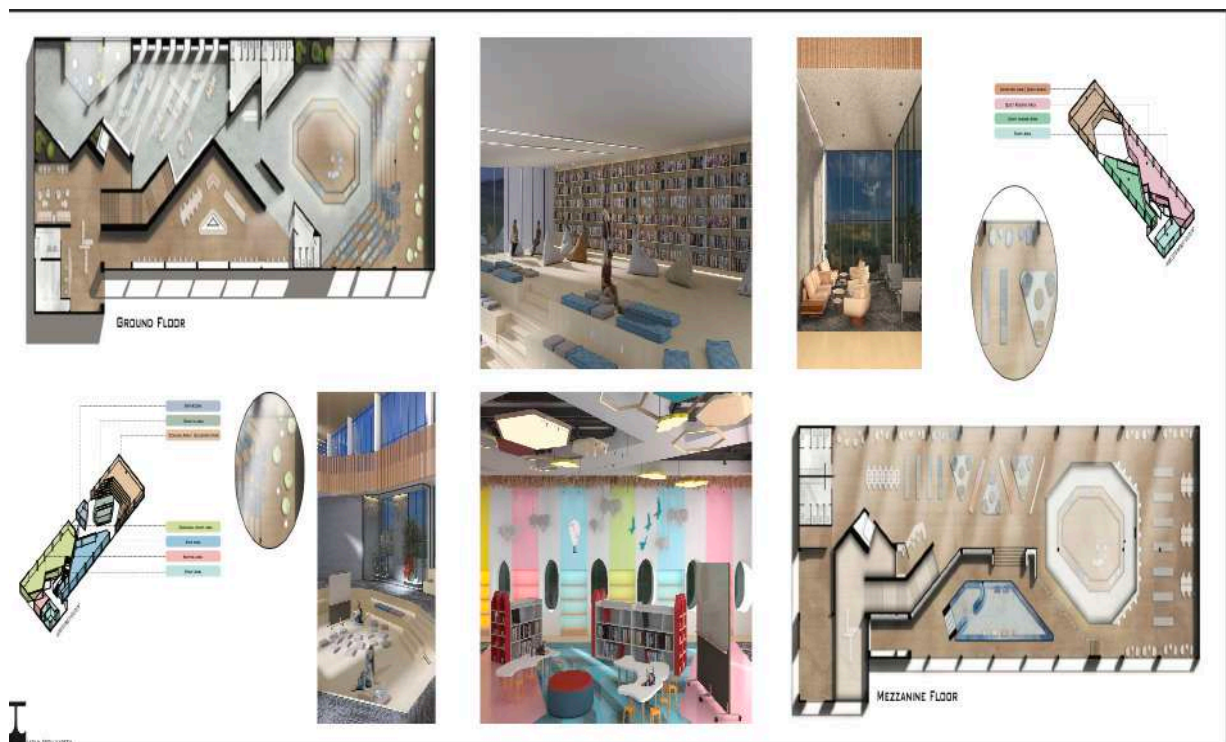
Fall 2024



Jude AlHoli - 201001115

Fall 2024





Jarah Abdulkareem - 201000997

Spring 2025



Jarah Abdulkareem - 201000997

Spring 2025

IDE421: Interior Design Studio IV

Large-scale new or adaptive re-use: office, hospitality, health-care or retail interior spaces. Professional hand and CAD graphic and skill development. Integration of codes, ADA, human factors, HVAC and lighting principles, furniture and equipment specification related to specific environment.



Fajer Alduajj - 201002627

Spring 2025



Fajer Alduajj - 201002627

Spring 2025

Korean Cuisine

Concept Board

The philosophy of "In-Yeon" embodies the Korean belief that all individuals are interconnected through the various bonds of life. My vision is to bring this philosophy to life within the restaurant by creating a serene, harmonious environment. Flowing water elements and traditional Korean patterns will be thoughtfully incorporated to subtly guide guests through the space, symbolizing the continuous, meaningful connections that define the dining experience.

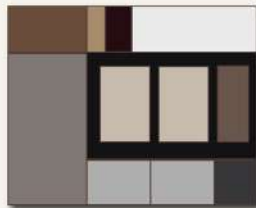


Keywords:

Interconnectivity, Harmony, Stability,
Serenity, Community, Familiarity

Materials:

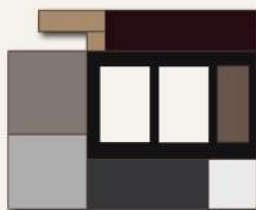
Ground Floor:



- Entrance
- Stairs
- Waiting area
- Private rooms
- Kitchen
- Korean BBQ Bar
- Main dining areas
- Restrooms
- Hallways
- Couple's Area



Mezzanine:



- Stairs
- Kitchen
- Terrace
- Dining Area
- Hallways
- Hotpot Area
- Dining Area
- Private Room

Inspiration:

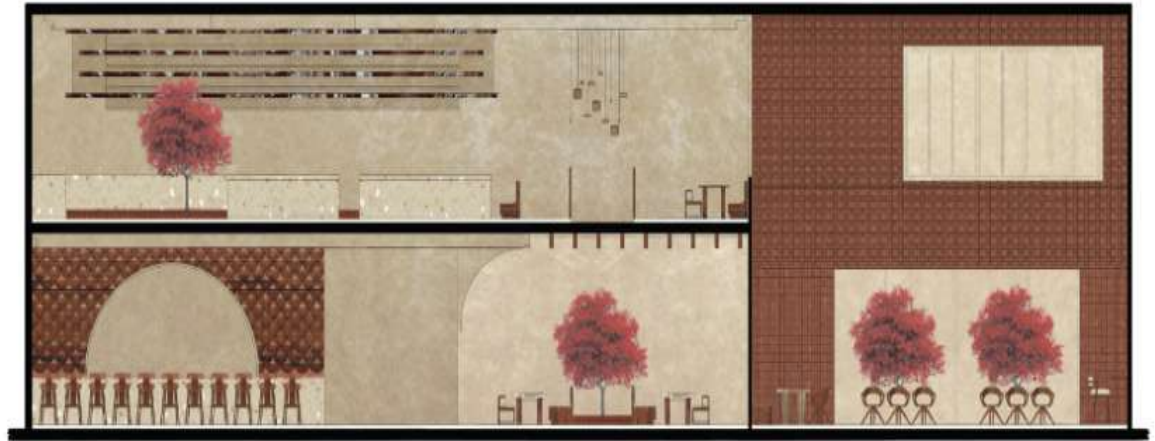


AIU AMERICAN
INTERNATIONAL
UNIVERSITY
Fajer Alduajj | ID: 201002627

SCAD
School of Architecture & Design

Fajer Alduajj - 201002627

Spring 2025



Dana Alhouti - 201001814

Fall 2024



Dana Alhouti - 201001814

Fall 2024



Dana Alhouti - 201001814

Fall 2024



Dana Alhouti - 201001814

Fall 2024

IDE431: Building Construction Systems I

Residential and commercial construction systems incorporating governmental and building codes; site and foundation to roof systems; small-scale hand and CAD documentation of architectural details.

IDE 431

20 October 2024

MASONRY CONSTRUCTION

Taiba Al-Attal 201001376

SECTION1

Midterm

1

Introduction

Masonry Construction

Structures built from individual components, such as bricks, stones, or blocks, with mortar as a binding agent. This method dates back thousands of years and remains popular for its durability, fire resistance, and low maintenance. The procedure varies based on the regional availability, materials, and structural requirements.



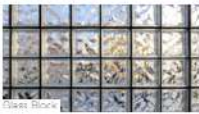
1

2

Types of Masonry Construction Materials

Masonry construction includes a variety of ways, each uses different method & block.






2

3

Masonry Construction Methods





1 Rammed Earth
Formwork Method

2 Temporary
Infill Wall Method
Formwork Method
Laying Method

3 Composite
Cavity Wall Method

3

4

Taiba Al-Attal - 201001376

Fall 2024

Case Study

Maison Hermès

- Located in Ginza district, Tokyo, Japan
- Built in 1998-2001, Extended in 2005
- Architect: Renzo Piano

Description

It serves as the Japanese headquarter for Hermès. It was built on a narrow lot, 10m wide by 45m long - 54m high with 15 floors including 2 basements.

Retail floors occupy the lower levels, office spaces and a design workshop are on higher floors, retail museum, and a rooftop garden.

4



5

Case Study

Renzo Piano

- September 14, 1937 67 years old
- Born in Genoa, Italy
- Brought up in a family of builders

Concept

The design was inspired by traditional Japanese lanterns. Piano intended to create a structure that appeared lightweight and radiant, blending in with Ginza's hectic atmosphere, yet presenting a peaceful and unique appearance.

5



6



7

Structure and Materials

The building features a steel structure with viscoelastic dampers to absorb seismic shocks, allowing it to meet Japan's earthquake standards.

7500 translucent glass blocks measured 40.8cm x 40.8cm x 10mm, made of safety glass block and mounted on a steel mesh allowing minor shifts and cracks and damage prevention.

The glass has a smooth internal surface and a wavy external surface.

A metal frame behind the glass blocks secures it in place and conceals the structure.

7



8

Taiba Al-Attal - 201001376

Fall 2024



Massive Construction	
Advantage  Natural Light Energy Efficiency Seismic Resilience	Disadvantage  Limited Transparency Complex Installation & Repairs High Construction & Maintenance Cost

[illegible]

Taiba Al-Attal - 201001376

Fall 2024

MASS TIMBER

Building Construction Midterm Project
IDE 431 - Section D1
Student Name: Jude Alholi
Student ID: 201001115
Instructor: Ms. Areej AlKandari



MASS TIMBER

What is it?

Mass timber is a developing building method that substitutes tall forest products for steel trusswork and concrete with wood. This approach attracts architects and engineers to explore more sustainable construction practices, create warmer visual aesthetics, and achieve significant gains in construction efficiency.

Environmental Impact

Mass timber is good to the environment because it stores carbon, breathes, and absorbs air pollutants, and some mass timber products are even treated sustainably. It can also help to promote circular economies and increase energy efficiency in buildings. Additionally, mass timber supports biodiversity and can be harvested at the end of its life, making it a natural and renewable resource.

Why did they come up with it?

Developed in Austria and Germany in the 1970s, mass timber has quickly gained popularity as a sustainable and cost-effective alternative to steel. It offers faster construction, better insulation, and lower carbon footprints, making it a natural and renewable resource.

TYPES OF MASS TIMBER



Cross Laminated a timber (CLT)

CLT consists of layers of wood panels glued together at right angles, creating a strong, stable material used for floors, walls, and roofs. It's one of the most versatile and widely used forms of mass timber.



Dowel Laminated Timber (DLT)

DLT is similar to CLT but uses wooden dowels instead of nails or screws to join the boards. It's all-wood-based, making it more sustainable and better for applications that need all-natural materials.



Nail Laminated Timber (NLT)

NLT is created by nailing or screwing together layers of dimension lumber, often used for floors and walls. It's less expensive than CLT but provides similar structural benefits.

TYPES OF MASS TIMBER



Glue Laminated Timber (GLT, or Glulam)

Glulam is made from **joists** of wood bonded together with strong joints. It is often used for beams and columns due to its high strength and ability to span large distances.



Laminated Strand Lumber (LSL)

LSL is made from **strands** of wood compressed and bonded together with adhesives. It has high strength and is often used in framing, beams, and headers.



Laminated Veneer Lumber (LVL)

LVL are thin wood veneers glued together in layers, creating a product that is strong and used for beams, headers, and columns in construction.

MASS TIMBER SYSTEMS

Mass timber systems use large, engineered wood products to build the structure of a building, replacing steel or concrete. They are strong, sustainable, and allow for quicker construction of walls, floors, and roofs.

Post and Beam

The post-and-beam system is a construction method that uses vertical posts and horizontal beams made from engineered wood to create a building's structural framework. This design allows for larger open spaces by reducing the need for interior columns, as the beams efficiently support and distribute loads.

Honeycomb System

A honeycomb timber system is a way of designing structures that uses a honeycomb pattern of engineered wood materials to build floors, walls, and roofs. This design takes advantage of the honeycomb shape to improve strength and efficiency while keeping the weight low.

Hybrid System

Hybrid systems combine mass timber with other materials like steel or concrete, using the strengths of each. This allows for better structural performance. Often used in high-rise buildings where steel cores may be paired with timber floors and walls.

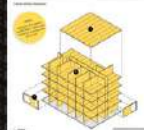
MASS TIMBER SYSTEMS

Mass timber systems use large, engineered wood products to build the structure of a building, replacing steel or concrete. They are strong, sustainable, and allow for quicker construction of walls, floors, and roofs.

Post and Beam



Honeycomb System



Hybrid System



PROS & CONS

PROS

- Cost: can be cheaper than other construction materials.
- Versatile
- Durable.
- Insulation whether it was sound of heat

CONS

- catches fire easily
- Condensation
- Shrinkage and Swelling because timber is a material that absorbs water

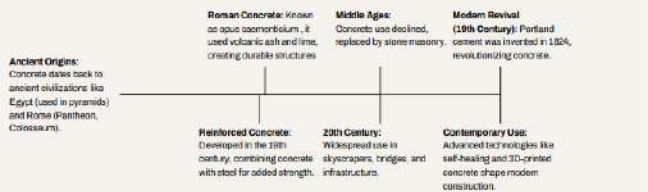
Ascent MKE

- Apartment building located in Milwaukee, Wisconsin, United States.
- Ascent MKE is considered the highest mass timber building in the world with a height of 87 meters.
- Construction Started: 2020 - Ended: 2022
- It is a 25-story building with 259 luxury apartment, retail spaces, elevated pool and a sky deck.
- Architects: Robus + Associates
- 50% of the project features exposed timber column, beams and ceilings.



Joud Alholi - 201001115

Fall 2024

Building Construction Systems I- IDE341 SCC - Concrete method of construction Noura Al-Faqaan ID : 201002600 		Table of contents 01 Introduction Concrete construction 02 Types Of Concrete construction 03 Self-Compacting Concrete 04 Case Study 05 Pros & Cons 06 Details Drawing CAD 07 References	
History of Concrete construction  Ancient Origins: Concrete dates back to ancient civilizations like Egypt (used in pyramids) and Rome (Pantheon, Colosseum). Roman Concrete: Known as opus caementitium, it used volcanic ash and lime, creating durable structures. Middle Ages: Concrete use declined, replaced by stone masonry. Modern Revival (19th Century): Portland cement was invented in 1824, revolutionizing concrete. Reinforced Concrete: Developed in the 19th century, combining concrete with steel for added strength. 20th Century: Witnessed use in skyscrapers, bridges, and infrastructure. Contemporary Use: Advanced technologies like self-healing and 3D-printed concrete shape modern construction.		Introduction of Concrete construction Strong and Durable: Concrete is strong and lasts a long time, used in everything from buildings to roads. Flexible Use: It can be shaped into almost any form, making it great for different types of construction. Affordable: It's cost-effective, especially for big projects, and doesn't need much maintenance. Fire Protection: Concrete doesn't catch fire, so it adds safety to buildings. Environmental Impact: Producing concrete releases a lot of CO2, so it's not the most eco-friendly. New Tech: Self-Compacting Concrete (SCC) makes it easier to fill tricky shapes without extra effort. 	

Noura Al-Faqaan - 201002600

Fall 2024

Types of Concrete construction

- **Plain Concrete:** No reinforcement; basic uses.
- **Reinforced Concrete:** Strengthened with steel; buildings, bridges.
- **Precast Concrete:** Factory-made; walls, beams.
- **Prestressed Concrete:** Pre-tensioned for strength; long spans.
- **Lightweight Concrete:** Lighter mix; non-load-bearing.
- **High-Strength Concrete:** High compressive strength; tall buildings.
- **Stamped Concrete:** Patterned for aesthetics.
- **Self-Compacting Concrete:** Flows easily; complex forms.
- **Shotcrete:** Sprayed; tunnels, repairs.
- **GFRP:** Glass fiber reinforced; lightweight panels.



Self-Compacting Concrete (SCC)

type of concrete mix - known for its ability of

- Using Reinforced
- SCC is a special type of concrete.
- It flows easily and fills up every space, even in complicated forms.
- No need for workers to vibrate it to remove air bubbles.
- First developed in Japan to deal with a shortage of skilled workers.
- It's great for large projects with lots of steel reinforcement.
- Reduces construction time and labor costs.
- Results in fewer cracks and defects in the finished structure.



Case Study

SCC has become a popular material choice for high-profile, complex architectural projects due to its ability to meet both structural and aesthetic requirements.



Statoil regional and Statoil Headquarters - Norway

- SCC used for the precast concrete facade panels.
- providing both structural performance and aesthetic quality.



Guggenheim Museum Bilbao - Spain

- SCC was used extensively for the museum's design.
- It helped with the complex shapes and flowing forms.
- The fluidity of SCC made it easier to achieve curved walls.
- Smooth surfaces were created using SCC.



Louvre Museum - Abu Dhabi

- SCC was used for key parts of the museum.
- It was important in areas with complex shapes.
- Helped achieve intricate concrete finishes.
- Benefited the iconic dome and surrounding structures.
- Chosen for ease of placement and aesthetic value.

Case Study

Guggenheim Museum Bilbao

- Famous for its artistic design.
- Designed by architect Frank Gehry, it has many curved, flowing shapes.
- SCC was used to create the complex, smooth walls and curves.
- The museum is made up of steel, concrete, and titanium panels.
- SCC helped builders achieve the challenging design without needing extra vibration.
- The use of SCC allowed the museum to be built faster with fewer defects.



Noura Al-Faqan - 201002600

Fall 2024

 Concrete construction method Ghena AIDabbas 201003310 Building construction systems	Contents <table> <tr> <td>History of concrete construction</td> <td>01</td> </tr> <tr> <td>Types of concrete construction</td> <td>02</td> </tr> <tr> <td>Case study</td> <td>03</td> </tr> <tr> <td>Case study details</td> <td>04</td> </tr> <tr> <td>Pros & Cons</td> <td>05</td> </tr> <tr> <td>Detail drawing</td> <td>06</td> </tr> </table>	History of concrete construction	01	Types of concrete construction	02	Case study	03	Case study details	04	Pros & Cons	05	Detail drawing	06
History of concrete construction	01												
Types of concrete construction	02												
Case study	03												
Case study details	04												
Pros & Cons	05												
Detail drawing	06												
History of Concrete construction method 1. Ancient Concrete: Roman Era (~900 BCE - 476 CE) Material: concrete, combining lime, water, and aggregates. Construction: They used wooden or stone molds to form walls. Notable Structures: The Pantheon's dome and the Colosseum in Rome. Impact: durability 2. Industrial Revolution (18th - 19th Century) Material: Portland cement (patented 1824). Construction: Reinforced concrete with iron mesh or rebar. Notable Structures: Reinforced concrete by Joseph Monier. Impact: Enabled taller buildings and durable structures. 3. Early 20th Century: Precast & Tilt-Up Methods Material: Concrete with reinforcement. Construction: Precast elements manufactured off-site; Tilt-up panels cast on-site and lifted. Use: Commercial and industrial buildings. Impact: Faster construction and improved quality control.  	History of Concrete construction method 1. Industrial Revolution (18th - 19th Century) Material: Portland cement (patented 1824). Construction: Reinforced concrete with iron mesh or rebar. Notable Structures: Reinforced concrete by Joseph Monier. Impact: Enabled taller buildings and durable structures. 2. Late 20th Century: High-Performance Concrete Material: Fiber-reinforced and prestressed concrete. Construction: Added steel tendons or fibers for greater strength. Impact: Improved strength and crack resistance. 3. 21st Century: 3D-Printed Concrete & UHPC Material: 3D-printed concrete and high-performance concrete (UHPC). Construction: Robotic extrusion of concrete; thin and strong wall sections. Impact: Customization, reduced labor, and sustainability focus.  												

Ghena AIDabbas - 201003310

Fall 2024

Concrete Construction Types

- Cast-in-Place (CIP) Concrete
- Precast Concrete
- Tilt-Up Concrete
- Insulating Concrete Forms (ICF)
- Shotcrete (Sprayed Concrete)
- Concrete Masonry Unit (CMU)
- 3D-Printed Concrete
- Post-Tensioned Concrete



Case study: L'Oceanogràfic Restaurant (Valencia, Spain)



L'Oceanogràfic Restaurant

- **Designer:** Felix Candela
- **Roof material:** Thin-shell reinforced concrete design
- Traditional steel reinforced concrete
- Hyperbolic paraboloid shell structure.
- **Thickness:** 10 centimeter
- The curvature of the roof helps distribute both compressive and tensile forces



L'Oceanogràfic Restaurant (Valencia, Spain)

Steps of construction:

1. **Formwork:** wooden and metal, Acted as a mold.
2. **Steel reinforcement bar installation:** Grid pattern for strength
3. **Concrete Pouring:** fine consistency
4. **Vibration Techniques:** avoid air pockets
5. **Framework removal:** Gradually



Red Fort

Midterm Project
Building Construction Systems - IDE 431



Name: Fai Al Shamaln
ID: 201002135



Location

- Located in Al-Jahra, about 32 kilometers west of Kuwait City.
- Positioned near the old trade routes, making it strategically significant in the past.



History

- Built in the late 19th century during the reign of Sheikh Mubarak Al-Sabah.
- This fort served as a security fort to protect the region from the tribes' attacks and enemy forces.
- Played a significant role in the Battle of Jahra (1920), where Kuwaiti forces successfully fought off attacks by the Ikhwani, a fighting force from Najd.



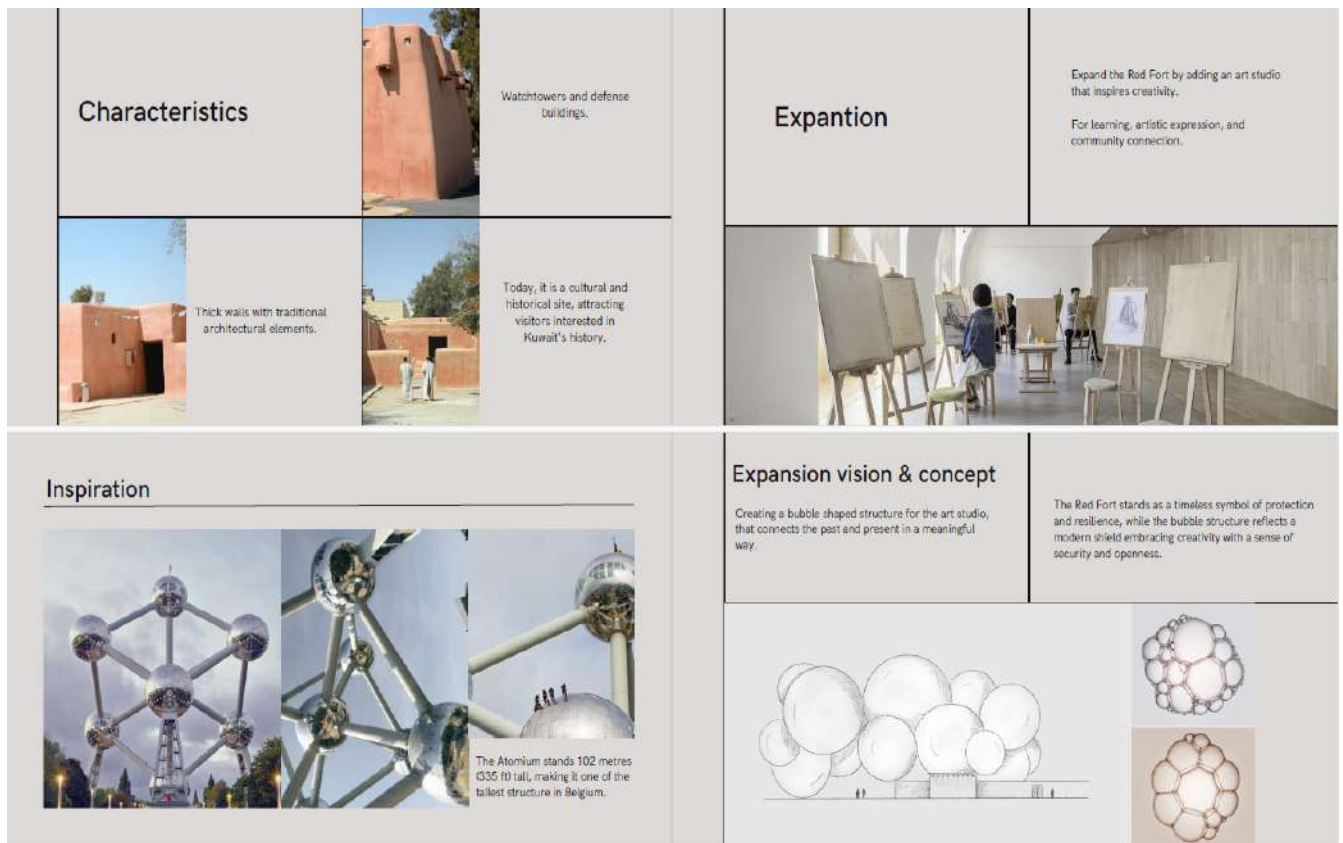
What is it known for?

- Its bricks made of red clay give it the famous name "Red Fort."
- A sign of Kuwait's strength and culture.



Fai Al Shamaln - 201002135

Fall 2024



Fai Al Shamaln - 201002135

Fall 2024

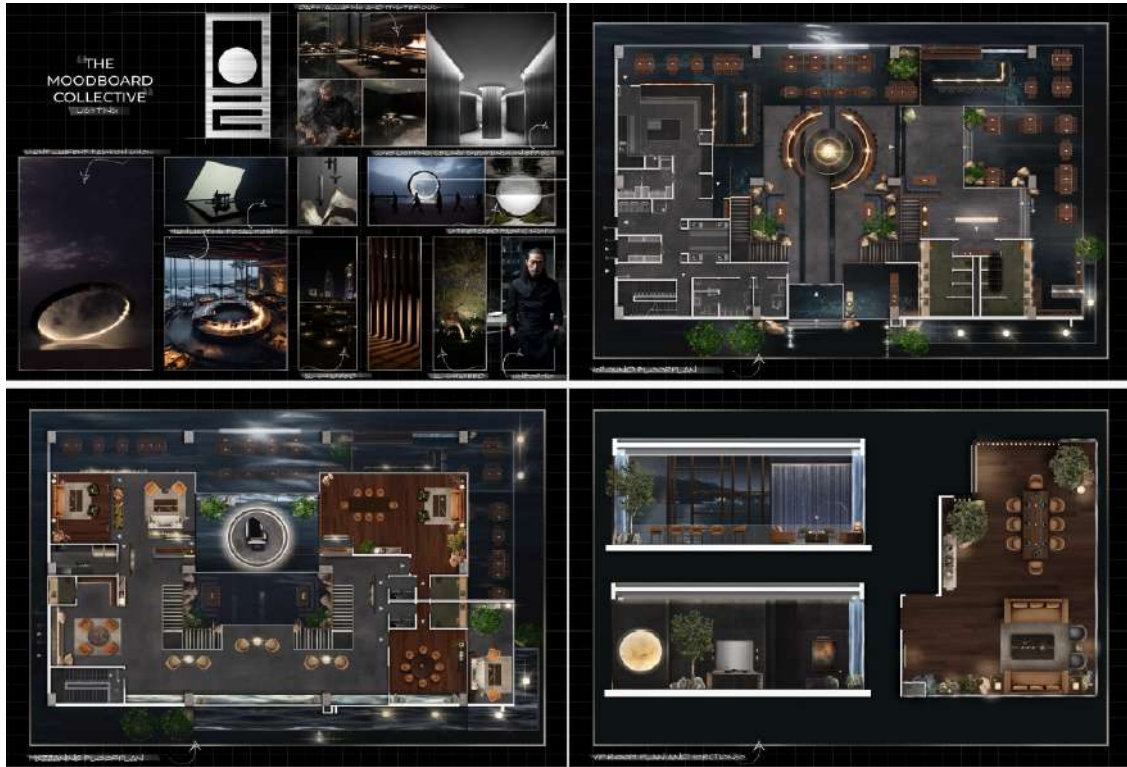
IDE441: Lighting Systems

Lighting sources, fixtures, manufacturer's lighting system and application to interior spaces. Basic lighting foot-candle calculations; layouts and psychology of lighting description to be applied in a final project.



Tasneem Alnuhayan - 201003258

Fall 2024

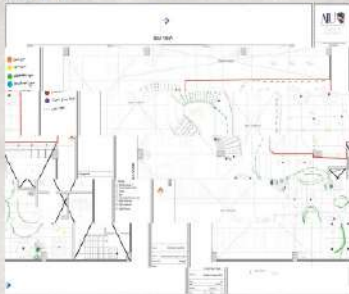


Tasneem Alnuhayan - 201003258

Fall 2024



Lighting Distribution



3D rendered views
Before



3D rendered views
Assignment



3D rendered views
Assignment



Noura Al-Faqaan - 201002600

Fall 2024

Lighting Specification

Spotlight

Type: LED Color
Temperature: 2700K-4000K (Warm to Neutral White) depending on application
Luminous Flux: 500-800 lumens/Beam
Angle: 15-45 degrees for focused lighting
Dimmability: Yes
CRI: > 90 for high-quality light
Mounting: Ceiling or track-mounted
Power: 7-12 watts
IP Rating: IP20 for indoor use

Final Render



Final Render



Final Render



Noura Al-Faqaan - 201002600

Fall 2024

3D rendered views. Assignment



Lighting Concept

The lighting concept for this Chinese restaurant focuses on creating a dim, elegant ambience with warm, indirect lighting that enhances the intimate dining experience. Accent lighting on each table and integrated cove light in the ceiling design add a modern touch while maintaining a soft, inviting glow throughout the space.

- Warm, indirect lighting creates a soft, intimate ambience.
- Accent lighting on each table highlights dining areas without overpowering the space.
- Integrated Cove light in the ceiling design adds modern elegance and guides the flow of the room.
- Layered lighting combines ambient, task, and accent lighting for functionality and mood.
- The overall effect is a refined, luxurious atmosphere for an elevated dining experience.

Inspiration

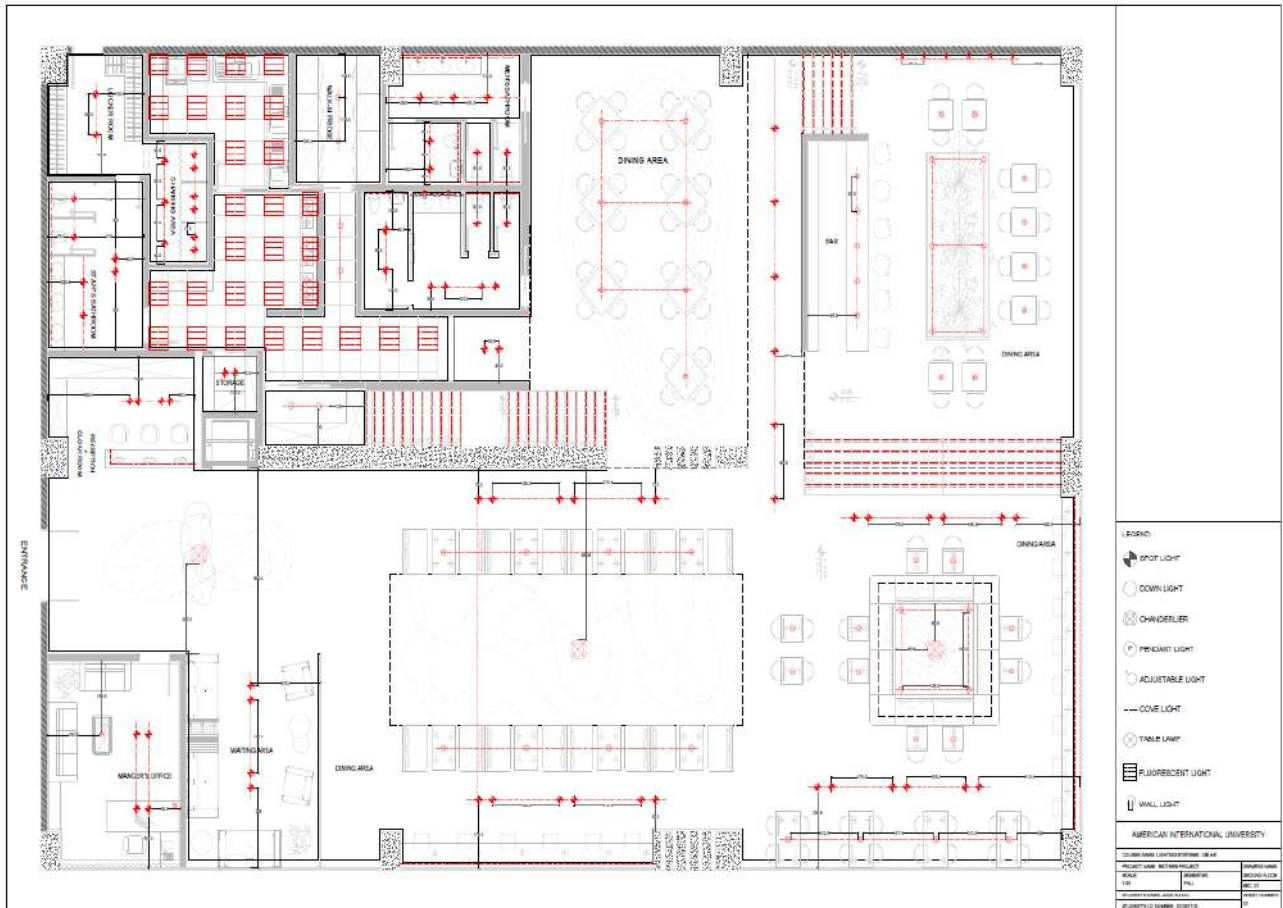


Inspiration



Noura Al-Faqaan - 201002600

Fall 2024



Joud Alholi - 201001115

Fall 2024



SCAD
School of Architecture & Design

Lighting Systems - IDE 431 Section 01
Midterm Project

Student Name: Jude AlHoli
Student ID: 201001115

Instructor: Areej AlKandiri

Lighting Concept

Over lighting was chosen for the Chinese restaurant to create a warm, cozy, and inviting atmosphere that is reminiscent of traditional Chinese architecture. The lighting design highlights the restaurant's unique design, highlighting its elements like the traditional lanterns, the modern interior, and the outdoor garden. The lighting is arranged in a way to create a sense of depth and to highlight the different areas of the restaurant, creating a warm, cozy, and inviting atmosphere that is reminiscent of traditional Chinese architecture.





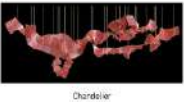






Used Lightings



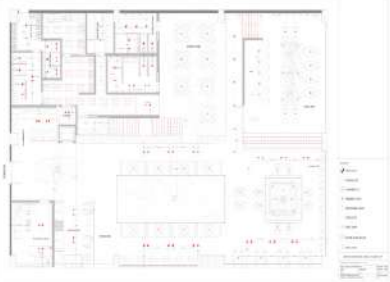









Reflected Ceiling Plan



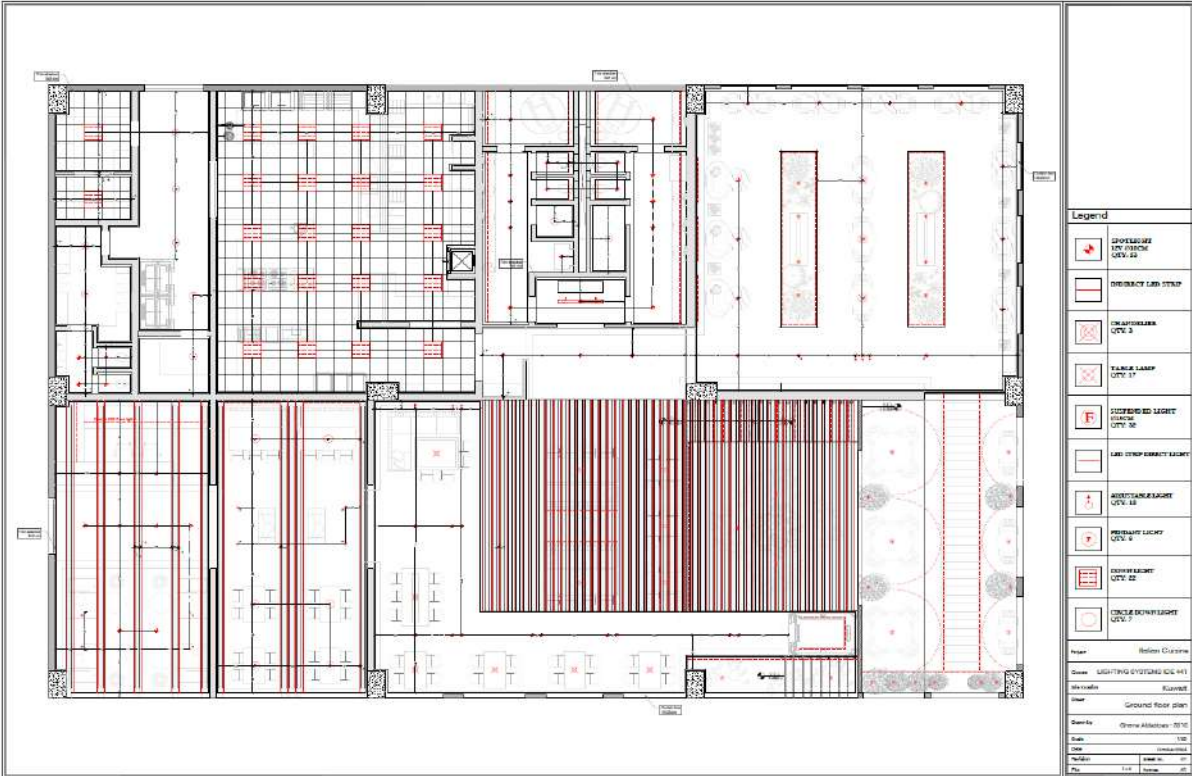
Joud Alholi - 201001115

Fall 2024



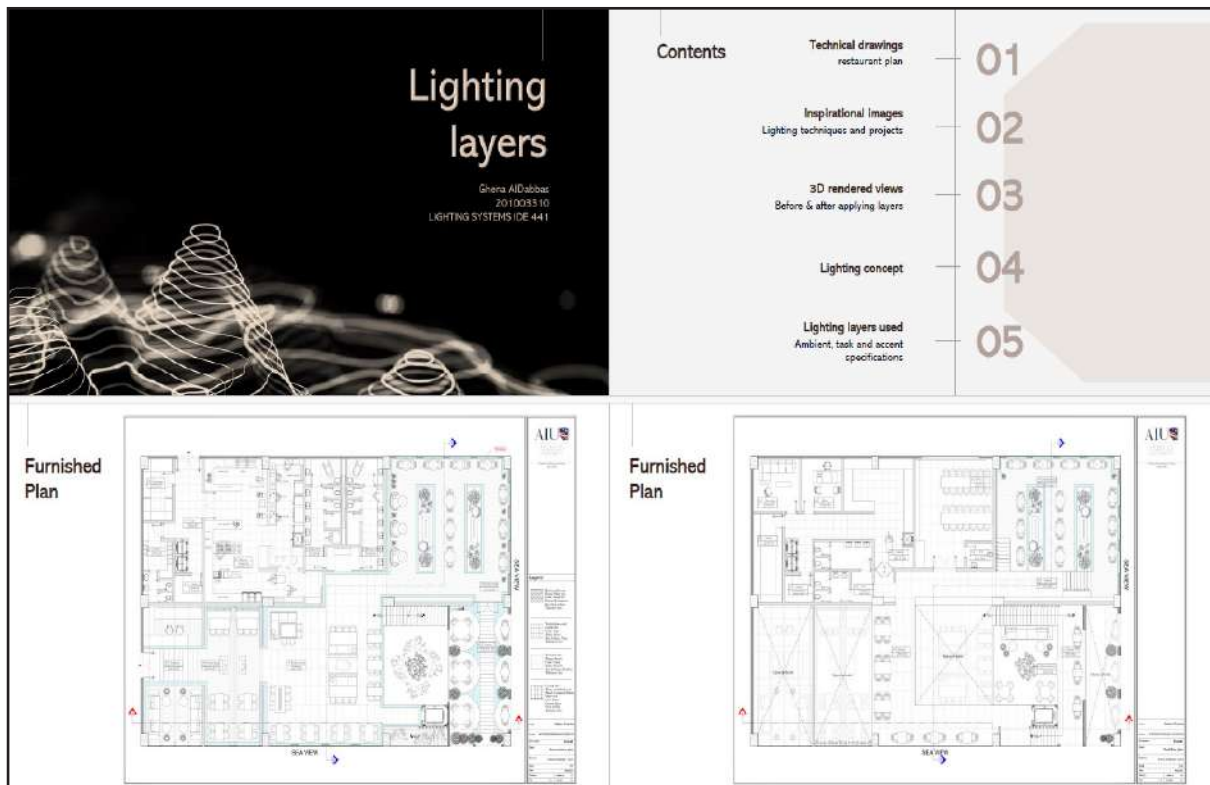
Joud Alholi - 201001115

Fall 2024



Ghena AlDabbas - 201003310

Fall 2024



Ghena AlDabbas - 201003310

Fall 2024

Inspiration



Inspiration



Inspiration



3D view
Before



Ghena AlDabbas - 201003310

Fall 2024

3D view
After



3D view
After



Lighting concept at night

- Romantic zone is an Italian venetian cuisine
- Intimacy and warm lighting design
- Use of venetian chandeliers and candles, creates an intimate atmosphere.
- The use of **accent lights** around the arches and the texture on the walls draws attention to the architectural features.
- The warm light reflecting off natural textures (wood flooring, stone walls, and plants) contributes to an organic, earthy feel.
- Embracing the calmness of Venice nights.
- This concept requires lower ambient lighting to achieve the intimacy and cozy atmospheres



Venice romantic nights



Lighting layers: Ambient

The Italian chandeliers:

- The design, which allows light to reflect off the ceiling, helps diffuse the light throughout the room, softening shadows and creating a warm, inviting glow.

The LED along the planter edges:

- They subtly light the area around the plants and floor, contributing to the cozy and serene environment.
- By being directed to the surrounding paths, it creates a distribution of light.

LED strip light ceiling opening:

- This LED strip around the openings directed to the rest of the ceiling, creates ambient diffused lighting since it is directed to the ceiling.





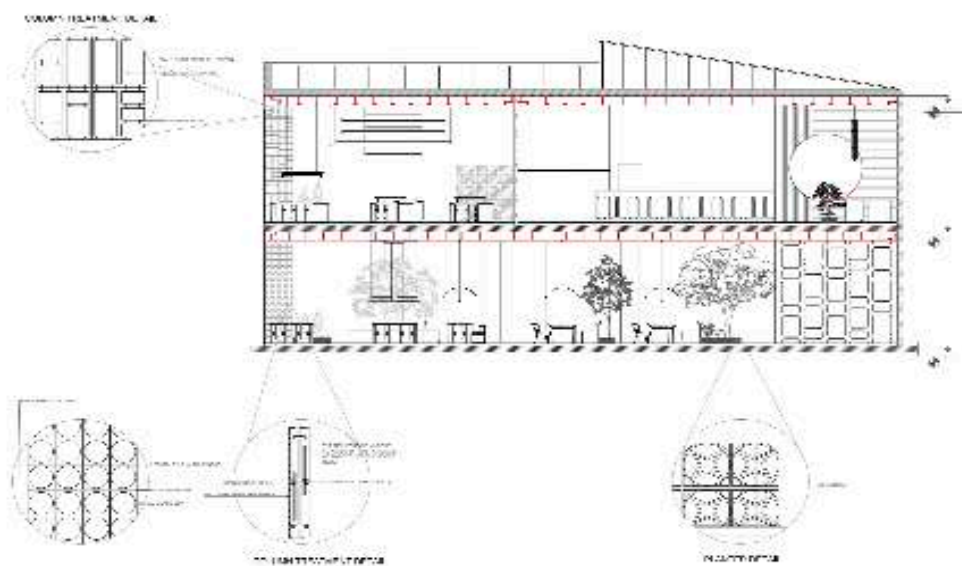
Ghena AlDabbas - 201003310

Fall 2024



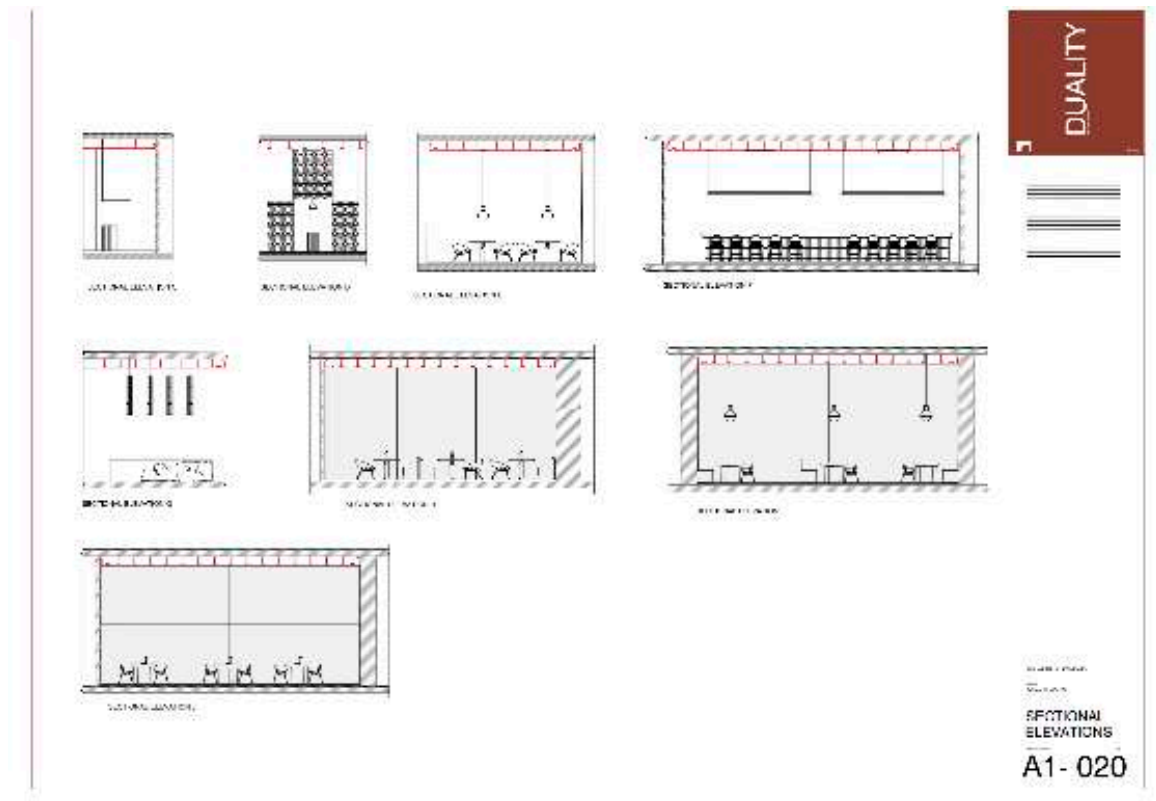
Dana Alhouti - 201001814

Spring 2025



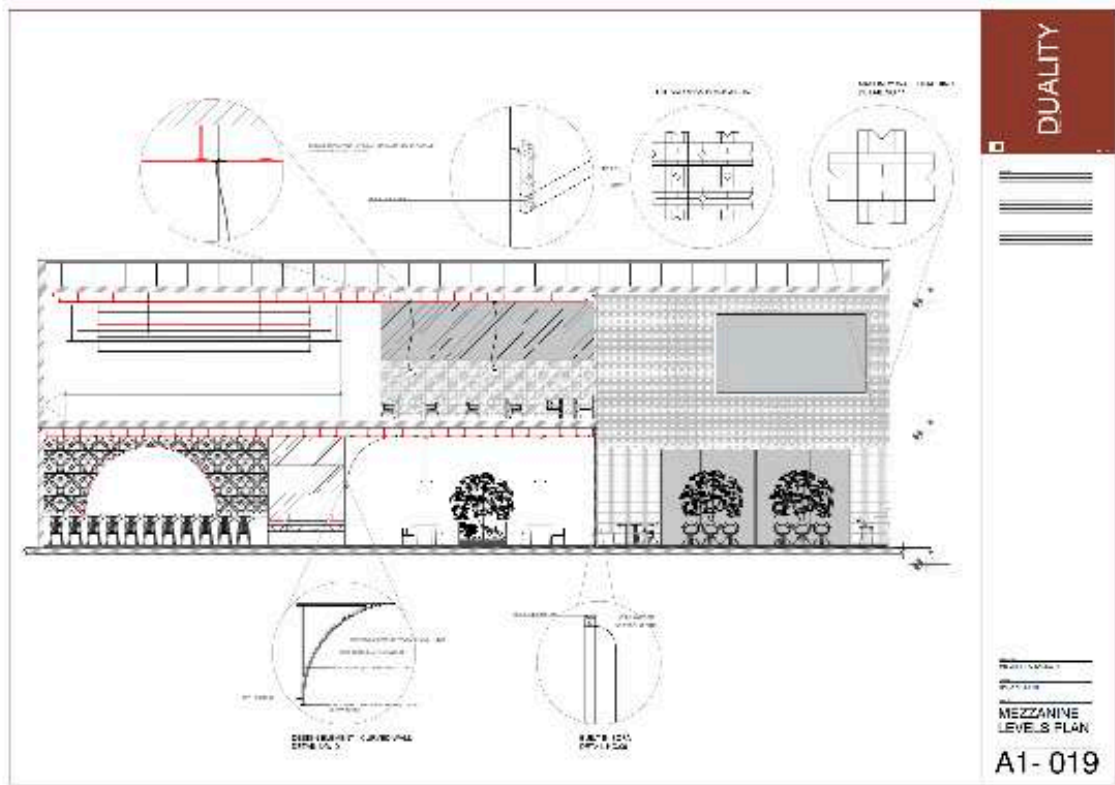
Dana Alhouti - 201001814

Spring 2025



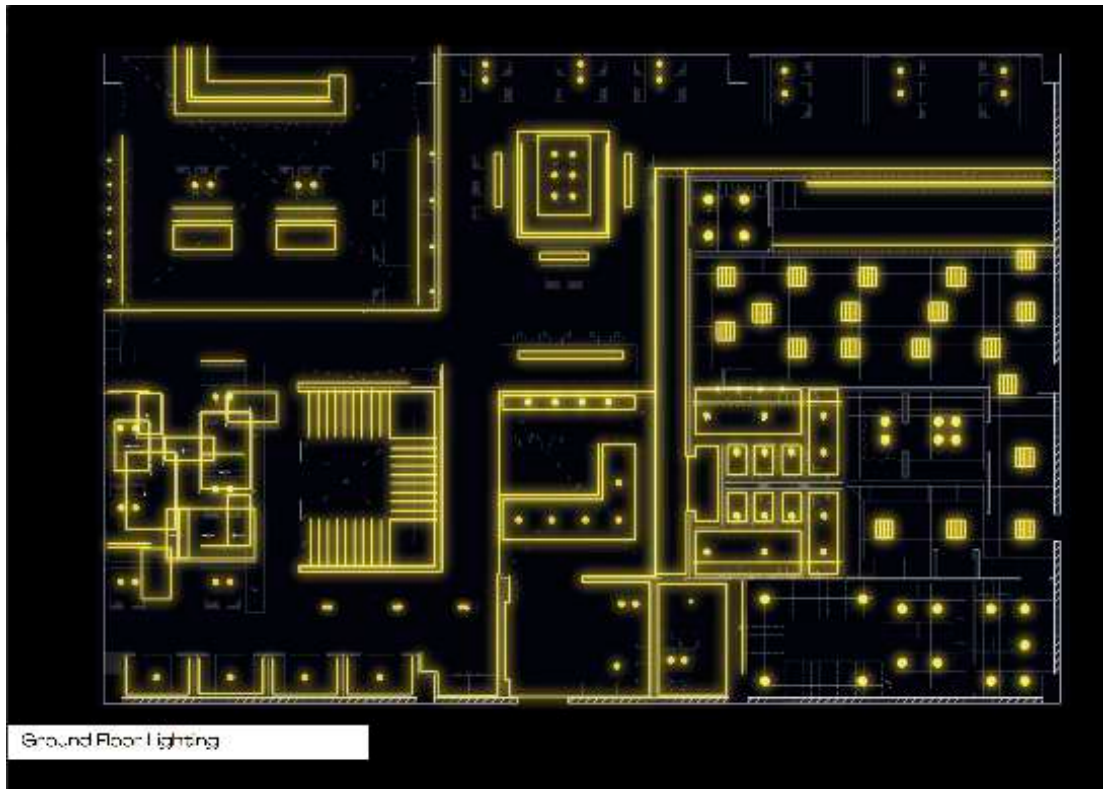
Dana Alhouti - 201001814

Spring 2025



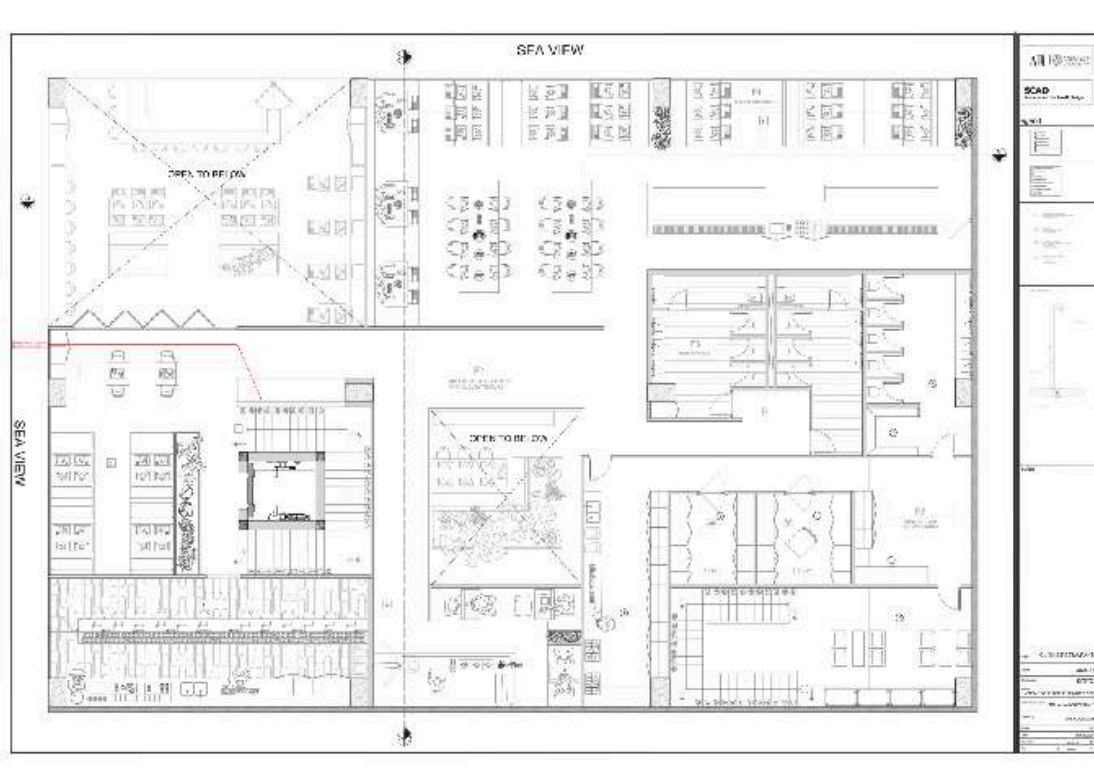
Dana Alhouti - 201001814

Spring 2025



Dana Alhouti - 201001814

Spring 2025



Dana Alhouti - 201001814

Spring 2025