Function name - fetchChangeSubscriptionOptions

Usage and invocation

This function will be invoked to get the change subscriptions options like end of term when a customer is changing his subscription. You can write your business specific logic in this function to have downgrades happen at end of term and upgrades to happen immediately

Writing the function

- The function should be written in javascript. This will be executed in nodejs version 6 environment
- We have some default resources that will be passed to this function. You can use this resources to write your business specific use case. These resources format will be similar to the resource output generated from node js client library.
- You need to return an javascript object that matches the JSON schema mentioned below
- You can also use our **chargebee node js client** library(that is already configured with apikey and secret key) for getting additional resources
- Arguments passed to this function are
  - An object containing all the default resources. For this function, these are the resources which we will be pass
    - subscription
      - associated subscription object
    - customer
      - associated customer object
    - plans
      - list of plans that includes both current plan and the plan he needs to change
    - addons
      - list of addons that includes both current list of addons and the new list of addons
    - subscription_changes
      - object with new plan_id, new plan_quantity and the new addon list

- Callback function in which you need to pass the output or error message.
    - In case of successful execution, pass your output like this
        - callback(null, output)
    - In case of any errors, pass your output like this
        - callback(error, null)
    - All errors that has occurred can be seen in our app. If any error occurs, we will not show change subscription
- Logger object to log debugging information
    - This will be used only while testing out the function in our testing console (function should be in draft mode)

Sample code

```
var chargebee = require("chargebee")
exports.fetchChangeSubscriptionOptions = function({subscription, subscription_changes}, callback) {
  chargebee.plan.retrieve(subscription_changes.plan_id).request((error, result) => {
    if(error) {
      callback(error, null);
    }
    else {
      let downgrade = false;
      let changedPlanQuantity = subscription_changes.plan_quantity;
      let changedPlanUnitPrice = result.plan.price;
      // if same plan and only quantity change
      if(subscription.plan_id == subscription_changes.plan_id && subscription_changes.plan_quantity < subscription.plan_quantity) {
        downgrade = true;
      }
      if(subscription.plan_id != subscription_changes.plan_id && subscription.plan_unit_price > changedPlanUnitPrice) {
```

```
        downgrade = true;
      }
      callback(null, {end_of_term: downgrade})
    }
  });
}
```

Sample output

```
{
  "end_of_term" : true
}
```

Expected JSON schema for this functions output

```
{
  "type": "object",
  "$schema": "http://json-schema.org/draft-04/schema#",
  "definitions": {},
  "properties": {
    "end_of_term": {
      "type": "boolean",
      "default": false,
      "examples": [
        true
      ]
    }
  },
  "additionalProperties": false
```

```
}
```