Swagger api documentation url : http://localhost:8080/VendingMachine-Api-Interface.html

Note: replace "localhost" with actual "hostname"

1) Display coin inventory

Request:

http method: Get

url: http://localhost:8080/api/v1/inventorystatus

Response:

{"errorDetails":null,"coinInventory":[{"coin":"FIVEPOUND","quantity":500},{"coin":"TWOPOUND","quantity":300},{"coin":"ONEPOUND","quantity":100}],"message":"Coins available in container","status":"success"}

2) Initial coin inventory setup

Request:

http method: Post

URL: http://localhost:8080/api/v1/inventorysetup

request:
{"inventorySetup":[{"coin":"TWOPOUND","quantity":10},{"coin":"ONEPOUND","quantity":10},{"coin":"FIVEPOUND","quantity":10}]}

Response:

{"errorDetails": null, "status": "success", "message": "Initial coin inventory setup successful"}

validation error scenarios:

Invalid request 1:
{"inventorySetup":[{"coin":"TENPOUNDS","quantity":0},{"coin":"ONEPOUND","quantity":10},{"coin":"FIVEPOUND","quantity":10}]}

resposne 1 :
{"inventorySetup":[{"coin":"TENPOUNDS","quantity":0},{"coin":"ONEPOUND","quantity":10},{"coin":"FIVEPOUND","quantity":10}]}

Invalid request 2:
{"inventorySetuptest":[{"coin":"TWOPOUNDS","quantity":0},{"coin":"ONEPOUND","quantity":10},{"coin":"FIVEPOUND","quantity":10}]}

  response 2: { "inventorySetup": "inventory setup field required" }

Invalid request 3:
{"inventorySetup":[{"cointest":"TWOPOUNDS","quantitytest":0},{"coin":"ONEPOUND","quantity":10},{"coin":"FIVEPOUND","quantity":10}]}

    response 3: {"inventorySetup[0].coin":"coin field required","inventorySetup[0].quantity":"quantity field required"}

3) Register coins

Request:

    http method: Post

    URL: http://localhost:8080/api/v1/registercoins

    Request :
{"registerCoinsDetails":[{"coin":"TWOPOUND","quantity":1},{"coin":"ONEPOUND","quantity":2},{"coin":"FIVEPOUND","quantity":3}]}

Response:

{ "errorDetails": null, "status": "success", "message": "Coins has been registered successfully"}

validation errors scenarios:

invalid request 1 :
{"registerCoinsDetailstest":[{"coin":"TWOPOUND","quantity":1},{"coin":"ONEPOUND","quantity":2},
{"coin":"FIVEPOUND","quantity":3}]}

response 1 : {"registerCoinsDetails":"register coins details field required"}

invalid request 2:
{"registerCoinsDetails":[{"cointest":"TWOPOUND","quantity":1},{"coin":"ONEPOUND","quantity":2},
{"coin":"FIVEPOUND","quantitytest":3}]}

response 2 : {"registerCoinsDetails[2].quantity":"quantity field
required","registerCoinsDetails[0].coin":"coin field required"}

4) Dispense coins

Request:

http method: Get

URL: http://localhost:8080/api/v1/dispensecoins/100

Response:

{"errorDetails":null,"dispenseCoinDetails":[{"coin":"FIVEPOUND","quantity":2}],"message":"Coins
has been dispenced sucessfully","status":"success"}

validation errors scenarios:

invalid request 1: http://localhost:8080/dispencecoins/0

res : {"errorDetails":{"timestamp":"2021-02-01
21:43:00.985","status":400,"error":null,"message":"Bad Request","detail":"Bad request, minimum
accepted currency 1 pound"},"message":"Bad request, minimum accepted currency 1
pound","status":"failed","dispenseCoinDetails":null}