Online Store Server APIs

Run commands:

1. npm start

2. Server starts listening at http://localhost:3000/

OS Prequisites:

1. Node JS must be installed to start server

2. Postman like REST client to make HTTP requests.

API Swagger document is available at https://app.swaggerhub.com/apis/rahulsingh773/LeafStore/1.0.0

Application is hosted on AWS Elastic Beanstalk and can be accessed with host URL:

virtserver.swaggerhub.com/rahulsingh773/LeafStore/1.0.0

APIs are authenticated with basic auth.

ADMIN\_USERNAME = admin

ADMIN\_PASSWORD = admin

and other customers and agents can send request with their username & password.

Password is masked in response or replaced with xxxxxxx.

Assumptions & Pending tasks:

1. products have unique names.

2. in orders multiple products but with one quantity can be selected and all are bundled up.

3. whenever an order is updated to completed or cancelled Agent location is set to available

3(a) whenever agent location is set to available, it has to be assigned to one of the incompleted orders(not implemented).

4)containerization is pending and could be done with Dockerfile & Makefile.

5)Unit Tests are also pending & could be implemented with Chai & Mocha modules

SAMPLE REQUESTS & RESPONSES

POST /products

REQUEST:

[{

"name":"Samsumg Galaxy",

"category":"smartphone",

"price":40000,

"available\_units":20

},

{

"name":"KTM 200",

"category":"bike",

"price":210000,

"available\_units":0

},

{

"name":"Fair Handsome",

"category":"cream",

"available\_units":100

}]

RESPONSE:

[

{

"code": 400,

"error": "price is required",

"payload": {

"name": "Fair Handsome",

"category": "cream",

"available\_units": 100

}

},

{

"status": "409",

"error": "E11000 duplicate key error collection: leafdb.products index: name\_index dup key: { : \"KTM 200\" }",

"payload": {

"id": "6UnPsJmmKez9",

"name": "KTM 200",

"category": "bike",

"available\_units": 0,

"sold\_units": 0,

"stars\_count": 0,

"reviews\_count": 0,

"price": 210000

}

},

{

"status": "409",

"error": "E11000 duplicate key error collection: leafdb.products index: name\_index dup key: { : \"Samsumg Galaxy\" }",

"payload": {

"id": "7UXJLRUmAUTt",

"name": "Samsumg Galaxy",

"category": "smartphone",

"available\_units": 20,

"sold\_units": 0,

"stars\_count": 0,

"reviews\_count": 0,

"price": 40000

}

}

]

POST /Agents

REQUEST:

[{

"name":"Rahul Raghav",

"age":27,

"username":"agentRahul",

"password":"qwasde",

"phone":"123457432",

"email":"abc@gmail.com"

}]

RESPONSE:

[{

"name": "Rahul Raghav",

"age": 27,

"phone": "123457432",

"email": "abc@gmail.com",

"username": "agentRahul",

"password": "xxxxxxx",

"available": true

}]

and similary for customers

PUT /location

REQUEST:

{

"latitude":38.3939,

"longitude":90.3903

}

RESPONSE:

{

"latitude": 38.3939,

"longitude": 90.3903,

"username": "agentRahul"

}

POST /orders

REQUEST:

[

"dnkjenfdknekd",

"N5jcVXuT7bXJ",

"4eoGaKzLH6O6",

"dpxZUQuaqHrT"

]

RESPONSE:

[

{

"order\_id": "zw9ZAQeNqvo8",

"products": [

"N5jcVXuT7bXJ"

],

"username": "rahulsingh773",

"agent\_username": "",

"date\_created": "18-02-2019, 03:17:46",

"delivery\_date": "20-02-2019, 03:17:46",

"status": "processing",

"location": {}

},

{

"status": 404,

"error": "invalid product id",

"payload": {

"products": [

"dnkjenfdknekd"

]

}

},

{

"status": 404,

"error": "invalid product id",

"payload": {

"products": [

"4eoGaKzLH6O6"

]

}

},

{

"status": 404,

"error": "invalid product id",

"payload": {

"products": [

"dpxZUQuaqHrT"

]

}

}

]

PUT /orders/orderID

REQUEST:

{

"status":"completed"

}

RESPONSE:

ok

GET /orders:

RESPONSE:

[

{

"order\_id": "OOfJllDmn5Yb",

"products": [

"N5jcVXuT7bXJ"

],

"username": "rahulsingh773",

"agent\_username": "",

"date\_created": "18-02-2019, 01:58:51",

"delivery\_date": "20-02-2019, 01:58:51",

"status": "completed",

"location": {}

},

{

"order\_id": "zw9ZAQeNqvo8",

"products": [

"N5jcVXuT7bXJ"

],

"username": "rahulsingh773",

"agent\_username": "agentPriyank",

"date\_created": "18-02-2019, 03:17:46",

"delivery\_date": "20-02-2019, 03:17:46",

"status": "processing",

"location": {}

}

]

GET /customers

REPONSE:

[

{

"name": "Priyanka Sharma",

"email": "nnefnejnf@gmail.com",

"username": "priyankangel",

"password": "xxxxxxx",

"address": "Mumbai Central, Mumbai, Maharashtra"

},

{

"name": "Karan Singh Grover",

"email": "kksdg1322@gmail.com",

"username": "karansingh123",

"password": "xxxxxxx",

"address": "South ex, Delhi, NCR"

},

{

"name": "Rahul Singh Raghav",

"email": "rsrufu@gmail.com",

"username": "rahulsingh773",

"password": "xxxxxxx",

"address": "domlur, bangalore, karantaka"

}

]

GET /products

RESPONSE:

[

{

"id": "N5jcVXuT7bXJ",

"name": "Patanjali Oil",

"category": "oil",

"available\_units": 28,

"sold\_units": 2,

"stars\_count": 0,

"reviews\_count": 0,

"price": 70

},

{

"id": "ESDy0BVJGqIS",

"name": "KTM 200",

"category": "bike",

"available\_units": 0,

"sold\_units": 0,

"stars\_count": 0,

"reviews\_count": 0,

"price": 210000

},

{

"id": "6jtpGGwWec6S",

"name": "Patanjali Shampoo",

"category": "shampoo",

"available\_units": 30,

"sold\_units": 0,

"stars\_count": 0,

"reviews\_count": 0,

"price": 90

},

{

"id": "AH7DnS6Zmphr",

"name": "Samsumg Galaxy",

"category": "smartphone",

"available\_units": 20,

"sold\_units": 0,

"stars\_count": 0,

"reviews\_count": 0,

"price": 40000

}

]

GET /agents

RESPONSE:

[

{

"name": "Priyank Patel",

"age": 47,

"phone": "3497374974394",

"email": "ujfejnewfe@gmail.com",

"username": "agentPriyank",

"password": "xxxxxxx",

"available": true

},

{

"name": "Karan Chapaneri",

"age": 32,

"phone": "1437637632",

"email": "hdgegdge@gmail.com",

"username": "agentKaran",

"password": "xxxxxxx",

"available": true

},

{

"name": "Rahul Raghav",

"age": 27,

"phone": "123457432",

"email": "abc@gmail.com",

"username": "agentRahul",

"password": "xxxxxxx",

"available": true

}

]