

Design: Services

INVENTORY MANAGEMENT SYSTEM FOR MIDSTATES
EQUIPMENT

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TABLE OF CONTENTS

| | |
|--------------------------------------|---|
| Service Endpoints..... | 2 |
| Inventory..... | 2 |
| Users | 3 |
| Status Codes..... | 3 |
| Example Requests and Responses | 4 |
| ALL Inventory..... | 4 |
| Request | 4 |
| Response | 4 |
| Add Inventory (Bad Request) | 4 |
| Request | 4 |
| Response | 5 |
| Diagrams..... | 6 |
| API FLOW | 6 |
| API UML..... | 7 |

SERVICE ENDPOINTS

INVENTORY

| Route | Verb | Purpose of Endpoint | Parameters |
|-------------------|--------|------------------------------|---|
| /inventory | GET | Gets all inventory items | |
| /inventory/{{id}} | GET | Gets a single inventory item | id |
| /inventory | POST | Add an inventory item | brand year condition serial price description image |
| /inventory/{{id}} | PATCH | Update an inventory item | brand year condition serial price description image id |
| /inventory/{{id}} | DELETE | Delete an inventory item | id |

USERS

| Route | Verb | Description | Parameters |
|----------------|--------|--------------------|---|
| /users | GET | Gets all users | |
| /users/{{uid}} | GET | Gets a single user | uid (user id) |
| /users | POST | Add a user | firstName lastName email accessLevel *avatar |
| /users/{{uid}} | PATCH | Update a user | firstName lastName email accessLevel *avatar uid |
| /users/{{uid}} | DELETE | Delete a user | uid |

**avatar is a stretch feature*

STATUS CODES

| Code | Meaning |
|------|--|
| 200 | OK |
| 201 | Created (Used with Post) |
| 400 | "Bad Request" (check parameters) |
| 401 | Unauthorized (Missing authentication parameters) |
| 403 | "Forbidden" (Do not have required privileges) |
| 404 | Not Found |

EXAMPLE REQUESTS AND RESPONSES

Please see [SwaggerHub Documentation](#) more request examples.

ALL INVENTORY

REQUEST

```
curl --location --request GET 'http://localhost:3000/inventory'
```

RESPONSE

Status 200 OK

```
[
  {
    "_id": "5f04b26f365286b778b6a3df",
    "brand": "New Brand",
    "year": 2020,
    "createdAt": "2020-07-07T17:35:43.244Z",
    "__v": 0,
    "description": "updating with a description"
  },
  {
    "_id": "5f04b2c276c77bbbdcb16730",
    "brand": "New Brand",
    "year": 2020,
    "condition": "new",
    "serial": "12345",
    "price": 20.25,
    "description": "Some description",
    "createdAt": "2020-07-07T17:37:06.924Z",
    "__v": 0
  }
]
```

ADD INVENTORY (BAD REQUEST)

REQUEST

```
curl --location --request POST 'http://localhost:3000/inventory' \
--data-raw '{
  "brand": "New Brand"
```

RESPONSE

Status 400 Bad Request

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <title>Error</title>
  </head>
  <body>
    <pre>SyntaxError: Unexpected token } in JSON at position 32

    <br> &nbsp; &nbsp; &nbsp; &nbsp;at JSON.parse (<anonymous>;)

    <br> &nbsp; &nbsp; &nbsp; &nbsp;at parse (C:\Users\billi\OneDrive\Documents\midstates-
api\node_modules\body-parser\lib\types\json.js:89:19)

    <br> &nbsp; &nbsp; &nbsp; &nbsp;at C:\Users\billi\OneDrive\Documents\midstates-
api\node_modules\body-parser\lib\read.js:121:18

    <br> &nbsp; &nbsp; &nbsp; &nbsp;at invokeCallback (C:\Users\billi\OneDrive\Documents\mid
states-api\node_modules\raw-body\index.js:224:16)

    <br> &nbsp; &nbsp; &nbsp; &nbsp;at done (C:\Users\billi\OneDrive\Documents\midstates-
api\node_modules\raw-body\index.js:213:7)

    <br> &nbsp; &nbsp; &nbsp; &nbsp;at IncomingMessage.onEnd (C:\Users\billi\OneDrive\Docume
nts\midstates-api\node_modules\raw-body\index.js:273:7)

    <br> &nbsp; &nbsp; &nbsp; &nbsp;at IncomingMessage.emit (events.js:323:22)

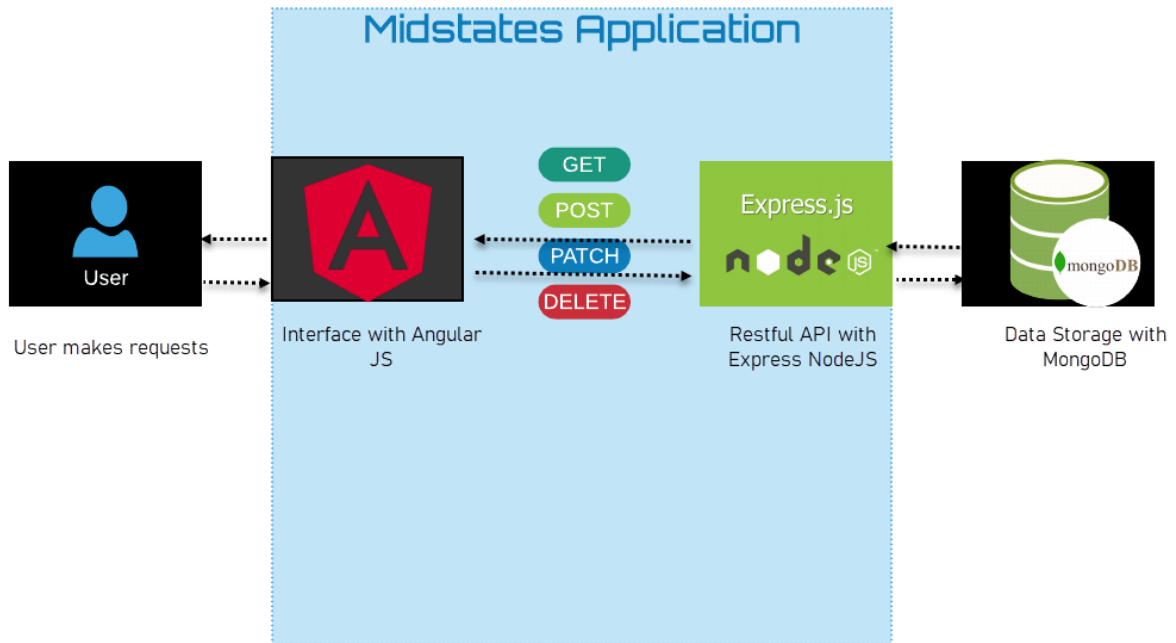
    <br> &nbsp; &nbsp; &nbsp; &nbsp;at endReadableNT (_stream_readable.js:1204:12)

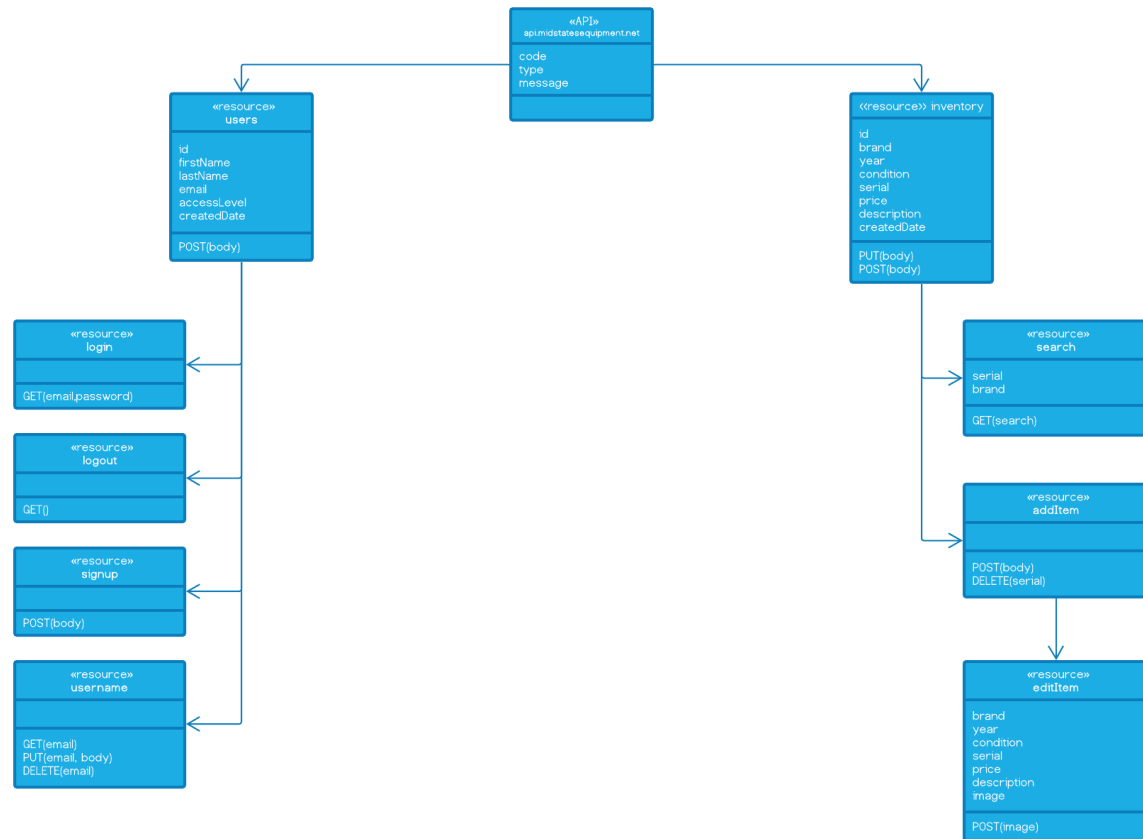
    <br> &nbsp; &nbsp; &nbsp; &nbsp;at processTicksAndRejections (internal/process/task_queue
s.js:84:21)

  </pre>
</body>
</html>
```

DIAGRAMS

API FLOW





Tip: Zoom in to see detail