

# Services Design for Online Home Inventory Manager

Tacara Solomon

## Service Endpoints:

The endpoints required for the Online Home Inventory Manager MVP are listed below with the necessary HTTP verbs, purpose, sample requests and responses and diagrams.

- **POST /user/** - User creates a new account

### Parameters:

```
{  
  "id": 0,  
  "username": "string",  
  "firstName": "string",  
  "lastName": "string",  
  "address": "string",  
  "email": "string",  
  "password": "string"  
}
```

### Request:

<https://sampleurl.com/user/>

### Response:

200 - User successfully created

### Communication Diagram:

register.html —> /user/

- **PUT /user/{username}/** - User updates their account

### Parameters:

username : string

### Request:

<https://sampleurl.com/user/{username}/>

### Response:

200 - User Account Updated

404 - User not found

### Communication Diagram:

account.html —> /user/{username}/account/

- **GET /user/login/** - User logs in account

**Parameters:**

username : string

password: string

**Request:**

https://sampleurl.com/login

**Response:**

200 - User found

```
{  
  "id": 0,  
  "username": "string",  
  "firstName": "string",  
  "lastName": "string",  
  "address": "string",  
  "email": "string",  
  "password": "string"  
}
```

400 - Invalid username or password

**Communication Diagram:**

login.html —> /user/login

- **GET user/logout/** - User logs out account

**Parameters:**

n/a

**Response:**

Default - User logged out

**Communication Diagram:**

index.html —> /user/logout

- **DELETE /user/{username}** - User deletes their account

**Parameters:**

n/a

**Request:**

<https://sampleurl.com/user/{username}>

**Response:**

404 - User not found

**Communication Diagram:**

account.html —> /user/{username}

- **POST /inventory/** - User creates a new inventory file

**Parameters:**

Each inventory item is added as needed with the following:

```
{  
  "id": 0,  
  "itemType": "string",  
  "brand": "string",  
  "price": "string",  
  "serialNumber": "string",  
  "features": "string",  
}
```

**Request:**

<https://sampleurl.com/inventory/>

**Response:**

200 - New File Created

```
{  
  "id": 0,  
  "itemType": "string",  
  "brand": "string",  
  "price": "string",  
  "serialNumber": "string",  
  "features": "string",  
}
```

404 - User not found

**Communication Diagram:**

newFile.html —> /inventory/

- **GET /inventory/{id}** - User views their inventory file

**Parameters:**

file link\*

**Request:**

https://sampleurl.com/inventory/{id}

**Response:**

200 - User inventory file found

404 - User inventory file not found

**Communication Diagram:**

viewInventory.html —> /inventory/{id}

- **DELETE /inventory/{id}** - User deletes their inventory file

**Parameters:**

n/a

**Response:**

404 - File not found

**Communication Diagram:**

viewInventory.html —> /inventory/