# **USER SERVICES**

# **CREATE A USER**

**POST** [**http://localhost:8080/user**](http://localhost:8080/user)

**JSON REQUEST**

*{*

*"phone": 345,*

*"userName": "Shivam",*

*"email":"shivam@yahoo.co.in",*

*"password": "Shivam",*

*"address": "240 Manekbaug Society"*

*“isAdmin”: 1*

*}*

(1=admin, 0 = customer)

**JSON RESPONSE**

200OK with URI to UserDetail

<http://localhost:8080/user/1>

# **GET DETAILS OF A USER**

**REQUEST**

**GET** [**http://localhost:8080/user/{userId}**](http://localhost:8080/user/%7buserId%7d)

**Eg.** [**http://localhost:8080/user/1**](http://localhost:8080/user/1)

**RESPONSE**

**200 OK with User Details**

*{*

*"userId": 1,*

*"phone": 345,*

*"isAdmin": 0,*

*"userName": "Shivam",*

*"email": "shivam@yahoo.co.in",*

*"password": "Shivam",*

*"address": "240 Manekbaug Society",*

*"cart": {*

*"cartId": 1,*

*"productsInOrder": []*

*},*

*"userName": "Shivam"*

*}*

# **GET LIST OF ALL USERS**

**REQUEST**

**GET** [**http://localhost:8080/users**](http://localhost:8080/users)

**RESPONSE 200 OK with all users listed**

*[*

*{*

*"userId": 1,*

*"phone": 345,*

*"isAdmin": 0,*

*"userName": "Shivam",*

*"email": "shivam@yahoo.co.in",*

*"password": "Shivam",*

*"address": "240 Manekbaug Society",*

*"cart": {*

*"cartId": 1,*

*"productsInOrder": []*

*},*

*"userName": "Shivam"*

*},*

*{*

*"userId": 2,*

*"phone": 1234,*

*"isAdmin": 0,*

*"userName": "hersh",*

*"email": "hersh@yahoo.co.in",*

*"password": "hersh",*

*"address": "240 Manekbaug Society",*

*"cart": {*

*"cartId": 2,*

*"productsInOrder": []*

*},*

*"userName": "hersh"*

*}*

*]*

**USER LOGIN**

**POST** [**http://localhost:8080/user/login**](http://localhost:8080/user/login)

**REQUEST BODY**

*{*

*"username": "hersh",*

*"password": "hersh"*

*}*

**RESPONSE**:

Login Successful for user hersh

**RESPONSE HEADERS - The response header will contain the “Auth-Token” which is required for accessing resources for that user like Cart, Orders etc.**

**auth-token → NA==**

**DELETE A USER**

**REQUEST**

**DELETE** [**http://localhost:8080/user/1**](http://localhost:8080/user/1)

**REPONSE (On Successful deletion)**

204 NO Content

ASSUMPTIONS:

* Ideally the authentication service would be a separate microservice implemented with a standard Authentication library like OAuth 2, but for the scope of this project, I have used a Base64 encode/decode of the user\_id as a token, which is not session based. The token will be valid forever.
* LogOut of User is not implemented.
* User can access all the products of the inventory, but cannot access other user’s cart or orders.