**REST Application(User Service).**

**REST APIS -**

CRUD functions for create user, Read user, Update user, Delete user.

Application starts on port 9000.

**Create User -**

API url - localhost:9000/users

HTTP Method - POST

Request Body -

{

    "userName":"Vanish",

    "password":"password",

    "email":"ilogutov04@gmail.com",

    "firstName":"Ivan",

    "lastName":"Logutov",

    "middleName": null,

    "no":"288/1",

    "firstLine":"somewhere",

    "secondLine":"idontknow",

    "province":"donetsk",

    "zipCode":"38000",

    "mobileNo":"+380504783924"

}

Response Body - 200 OK

{

    "id": 2,

    "userName": "Vanish",

    "password": "password",

    "email": "ilogutov04@gmail.com",

    "name": {

        "firstName": "Ivan",

        "lastName": "Logutov",

        "middleName": null

    },

    "address": {

        "no": "288/1",

        "firstLine": "somewhere",

        "secondLine": "idontknow",

        "province": "donetsk",

        "zipCode": "38000",

        "mobileNo": "+380504783924"

    }

}

**Read User -**

Have to pass the user ID as path parameter.

API url – localhost/9000/users/{userId}, localhost:9000/users/1

HTTP Method - GET

Path parameter – User Id.

Request Body – No payload.

Response Body -

{

    "id": 1,

    "userName": "Vanish",

    "password": "password",

    "email": "ilogutov04@gmail.com",

    "name": {

        "firstName": "Ivan",

        "lastName": "Logutov",

        "middleName": null

    },

    "address": {

        "no": "288/1",

        "firstLine": "somewhere",

        "secondLine": "idontknow",

        "province": "donetsk",

        "zipCode": "38000",

        "mobileNo": "+380504783924"

    }

}

**Update User -**

Have to pass the request payload and user ID as path parameter.

API url - localhost/9000/users/{userId}, localhost:9000/users/1

HTTP Method – PUT

Path paramater – User Id

Request Body -

{

    "userName":"Someone",

    "password":"password",

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

    "firstName":"Name",

    "lastName":"Surname",

    "middleName": "Middle Name",

    "no":"Number",

    "firstLine":"somewhere",

    "secondLine":"idontknow",

    "province":"Province",

    "zipCode":"00000",

    "mobileNo":"Phone Number"

}

Response Body – 200 OK.

{

    "id": 1,

    "userName": "Someone",

    "password": "password",

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

    "name": {

        "firstName": "Name",

        "lastName": "Surname",

        "middleName": "Middle Name"

    },

    "address": {

        "no": "Number",

        "firstLine": "somewhere",

        "secondLine": "idontknow",

        "province": "Province",

        "zipCode": "00000",

        "mobileNo": "Phone Number"

    }

}

**Delete User -**

API url – localhost/9000/users/{userId}, localhost:9000/users/1

HTTP Method – DELETE

Request body – No request body.

Path parameters – User Id.

Response Body – 200 OK.