API Crud Operation List:

Created the below list of APIs for assignment

1. <http://localhost:5000/api/user/add>
2. <http://localhost:5000/api/user/getusers>
3. <http://localhost:5000/api/user/getuserbyid?Id=1>
4. <http://localhost:5000/api/user/delete>
5. <http://localhost:5000/api/user/update>

giving brief explanation on above APIs with unit test cases

1. [**http://localhost:5000/api/user/add**](http://localhost:5000/api/user/add)

**Description:** this API using to create new user in system, attaching sample request to create new user.

**Call Type:** Post

**Request :**

{

    "name": "Leanne Graham",

    "username": "Bret",

    "email": "Sincere@april.biz",

    "address": {

        "street": "Kulas Light",

        "suite": "Apt. 556",

        "city": "Gwenborough",

        "zipcode": "92998-3874",

        "geo": {

            "lat": "-37.3159",

            "lng": "81.1496"

        }

    },

    "phone": "1-770-736-8031 x56442",

    "website": "hildegard.org",

    "company": {

        "name": "Romaguera-Crona",

        "catchPhrase": "Multi-layered client-server neural-net",

        "bs": "harness real-time e-markets"

    }

}

Test Cases:

1. Create user by passing with actual values
2. Create user without address details
3. Create user without company details

2. [**http://localhost:5000/api/user/getusers**](http://localhost:5000/api/user/getusers)

**Description:** this API using for to get list of user which are created in system.

**Call Type:** GET

**Response:**

{

    "id": 1,

    "name": "Leanne Graham",

    "username": "Bret",

    "email": "Sincere@april.biz",

    "phone": "1-770-736-8031 x56442",

    "website": "hildegard.org",

    "address": {

        "suite": "Apt. 556",

        "street": "Kulas Light",

        "city": "Gwenborough",

        "zipcode": "92998-3874",

        "geo": {

            "lat": "-37.3159",

            "lng": "81.1496"

        }

    },

    "company": {

        "name": "Romaguera-Crona",

        "catchPhrase": "Multi-layered client-server neural-net",

        "bs": "harness real-time e-markets"

    }

}

Test Cases:

1. Call get api without any input values.
2. Check response all user details which are created.
3. [**http://localhost:5000/api/user/getuserbyid?Id=1**](http://localhost:5000/api/user/getuserbyid?Id=1)

**Description:** this API using to get user details by passing input parameter id.

**Call Type:** GET

**Response:**

{

    "id": 1,

    "name": "Leanne Graham",

    "username": "Bret",

    "email": "Sincere@april.biz",

    "phone": "1-770-736-8031 x56442",

    "website": "hildegard.org",

    "address": {

        "suite": "Apt. 556",

        "street": "Kulas Light",

        "city": "Gwenborough",

        "zipcode": "92998-3874",

        "geo": {

            "lat": "-37.3159",

            "lng": "81.1496"

        }

    },

    "company": {

        "name": "Romaguera-Crona",

        "catchPhrase": "Multi-layered client-server neural-net",

        "bs": "harness real-time e-markets"

    }

}

Test Cases:

1. Call get api with user id to get user details.
2. Call get api without user id.

**4.**[**http://localhost:5000/api/user/delete**](http://localhost:5000/api/user/delete)

**Description:** this API using to delete user info by passing user id.

**Call Type:** Delete

**Request:**

{

     "Id":"1"

}

Test Cases:

1. Call delete api with user id to delete user details.
2. Call delete delete api without user details.

**5.**[**http://localhost:5000/api/user/update**](http://localhost:5000/api/user/update)

**Description:** this API using to update user details.

**Call Type:** Post

**Request:**

{

    "Id":"1",

    "name": "vamsi Graham",

    "username": "Bret",

    "email": "Sincere@april.biz",

    "address": {

        "street": "Kulas Light",

        "suite": "Apt. 556",

        "city": "Gwenborough",

        "zipcode": "92998-3874",

        "geo": {

            "lat": "-37.3159",

            "lng": "81.1496"

        }

    },

    "phone": "1-770-736-8031 x56442",

    "website": "hildegard.org",

    "company": {

        "name": "Romaguera-Crona",

        "catchPhrase": "Multi-layered client-server neural-net",

        "bs": "harness real-time e-markets"

    }

}

Test Cases:

1. Call update api with all required information to update user details.
2. Call update api without user id.