User API's:

Note: => Once after registration user should login to access all the API calls.

=> User will get **jwt**(json web token) once after he logs in using his valid credentials & token duration will be expired after certain specified time.

==> 1. Register User:

POST: http://localhost:8080/user

Request:

{

"name":"Gst",

"userDob":"1996-11-30",

"userEmail":"gst12@gmail.com",

"password":"gst123",

"confirmPassword":"gst123",

"userPhoneNumber":993744423,

"referalCode":"gunapal3",

"height": 5.10,

"weight": 74.5,

"gender": "male",

"photo": "gp.jpeg"

}

Response:

{

"error": false,

"data": {

"userId": 6,

"name": "Gst",

"userDob": "1996-11-30",

"userEmail": "gst12@gmail.com",

"password": "gst123",

"confirmPassword": "gst123",

"userPhoneNumber": 993744423,

"referalCode": "gunapal3",

"height": 5.1,

"weight": 74.5,

"gender": "male",

"photo": "gp.jpeg"

}

}

==> 2. Login authentication:

POST: http://localhost:8080/user/authenticate

Request:

{

"userEmail":"gst12@gmail.com",

"password":"gst123"

}

Response:

{

"jwt": "eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJnc3QxMkBnbWFpbC5jb20iLCJleHAiOjE2MTY2MTc5NTcsImlhdCI6MTYxNjU4MTk1N30.3xC1r7wVRt7vxiybavQ464zlIO1MdrRLeIsFohaUmr8"

}

Note: The above process is mandatory for all the API request once after user login.

Request:

{

"userId": 1,

"name": "syed alif",

"userDob": "1986-11-23",

"userEmail": "jshibay23@gmail.com",

"password": "jackthom123",

"confirmPassword": "jackthom123",

"userPhoneNumber": 2998301822,

"referalCode": "gunapal3"

}

Response:

{

"error": false,

"data": {

"userId": 1,

"name": "syed alif",

"userDob": "1986-11-23",

"userEmail": "jshibay23@gmail.com",

"password": "jackthom123",

"confirmPassword": "jackthom123",

"userPhoneNumber": 2998301822,

"referalCode": "gunapal3"

}

}

==> 4. Get User By Email-Id:

GET: http://localhost:8080/user/test@gmail.com

Response:

{

"error": false,

"data": {

"userId": 1,

"name": "gp",

"userDob": "1998-11-30",

"userEmail": "test@gmail.com",

"password": "navya123",

"confirmPassword": "navya123",

"userPhoneNumber": 9900998877,

"referalCode": "gunapal3"

}

}

==>5. Get all users:

GET: http://localhost:8080/user/users

Response:

{

"error": false,

"data": [

{

"userId": 1,

"name": "jake",

"userDob": "1999-11-30",

"userEmail": "ajker@gmail.com",

"password": "jack12",

"confirmPassword": "jack12",

"userPhoneNumber": 9988776622,

"referalCode": "gunapal",

"steps": null

},

{

"userId": 2,

"name": "shivu",

"userDob": "1999-11-30",

"userEmail": "shivu12@gmail.com",

"password": "jack12",

"confirmPassword": "jack12",

"userPhoneNumber": 9845662425,

"referalCode": "gunapal",

"steps": null

},

{

"userId": 3,

"name": "gunapal",

"userDob": "1997-02-08",

"userEmail": "gunapalpgp@gmail.com",

"password": "gunapal123",

"confirmPassword": "gunapal123",

"userPhoneNumber": 8198235623,

"referalCode": "shivu",

"steps": null

}

]

}

==>6. User StepStats:

PUT: http://localhost:8080/user/steps

Request:

{

"stepId":1,

"day":4,

"week":3,

"month":3,

"year":2020,

"distanceInKm":"192.5",

"caloriesBurent":"1675.2",

"totalCalories":"7265.4",

"currentSteps":12000,

"targetSteps":10000,

"coinsEarned":5.2,

"userId":{

"userId":1

}

}

Response:

{

"error": false,

"data": {

"stepId": 1,

=

"week": 3.0,

"month": 3.0,

"year": 2020,

"distanceInKm": 192.5,

"caloriesBurent": 1675.2,

"totalCalories": 7265.4,

"currentSteps": 12000,

"targetSteps": 10000,

"coinsEarned": 5.2,

"userId": {

"userId": 1,

"name": null,

"userDob": null,

"userEmail": null,

"password": null,

"confirmPassword": null,

"userPhoneNumber": 0,

"referalCode": null,

"steps": null

}

}

}

==> 7. Forgot Password:

PUT: http://localhost:8080/user/forgtpassword

Request Param:

email/phno: navaya@gmail.com/ 99008196

password: mike22

Response:

{

"error": false,

"data": {

"userId": 1,

"name": "navya",

"userDob": "1997-02-08",

"userPhoneNumber": 99008196,

"userEmail": "navya@gmail.com",

"password": "mike22",

"confirmPassword": "mike22",

"referalCode": "shivu",

"weight": 76.0,

"height": 5.1,

"gender": "male",

"photo": "gunapal.jpeg",

"steps": null

}

}

**Google Fit API integration information:**

Reference Video:

<https://www.youtube.com/watch?v=YMRhBPGLgmE&t=56s&ab_channel=BrendenAdamczak>

Link: [https://developers.google.com/fit/rest/](https://www.youtube.com/redirect?event=video_description&redir_token=QUFFLUhqa1BPd21Xc1JHTkZ2WV9TMHBacEFqTnV6NTIxUXxBQ3Jtc0trN2ZaZ0VWdmJpWmtzTjRVZERfSmZ1WU9ORTdUeTFaT2RXSUZjLXJpZy1NcWxmY2Y4UXlHMER5VXltdXNMd2RBLUxGMk4zUVRtSnJZMlBYbVpBZjk2aC1rYjBieWhtMk13OW9WYkJUNkZmQWJhOEpJTQ&q=https%3A%2F%2Fdevelopers.google.com%2Ffit%2Frest%2F)

User should allow all the trackable information such as sensor, location etc..

After Permissions user should be logged in using google account and Select scope to make API calls based on the permissions, he/she has given using REST.

{  
  "dataStreamName": "MyDataSource",  
  "type": "derived",  
  "application": {  
    "detailsUrl": "http://example.com",  
    "name": "Foo Example App",  
    "version": "1"  
  },  
  "dataType": {  
    "field": [  
      {  
        "name": "steps",  
        "format": "integer"  
      }  
    ],  
    "name": "com.google.step\_count.delta"  
  },  
  "device": {  
    "manufacturer": "Example Manufacturer",  
    "model": "ExampleTablet",  
    "type": "tablet",  
    "uid": "1000001",  
    "version": "1"  
  }  
}