API Documentation

1. Login User API

Login User API takes email and password in the request body. As email is unique to a user, it is authenticated with the password present in the database and login is successful only if the password matches with existing value in the database, else we will raise an error.

```
POST    "/user/login"


Request Body
{
    "Email": "teja.paduri@gmail.com",
    "Password":  "12345678"
}
```

```
Response Object


If user details match with the values present in the database, then the
response is as follows:
{
    "Id": 1,
    "name": "Teja",
    "Email": "teja.paduri@gmail.com",
}

If the user fails to log in, then the response is as follows:
{
    "Message": "Login Error"
}
```

2. Register User API

User registration checks for a unique email id given in the request body, only if there is no entry in the given email, user registration is successful, or else an error is raised saying a user already exists with the given credentials. Below is the request body accepted by the API

```
POST    "/user/register"
Request Body
{
    "name": "Anusha"
  "Email": anusha.chintha@gmail.com",
  "Password":  "12345678"
}
```

```
Response Object

If user email details match with the values present in the database, then
the response is as follows:
{
   "Message": "User already exists"
},
if it is a new user, then the response is
{
  "Id": 2,
  "name": Anusha,
  "Email": anusha.chintha@gmail.com",
}
```

3. Get User API

This API is a GET request accepting a query param in the URL. This query param is the user ID, which is parsed and fetches a user from the database using this ID. There is no request body for the GET API

```
GET    "/users/1"
```

```
Response Object

If the given user ID matches with the value present in the database, then
the response is as follows:
{
   "Id": 1,
```

```
    "name": "Teja",
    "Email": "teja.paduri@gmail.com",
}


If there is no user ID present in the DB, then response is as follows:


{
  "Message": "User is not present. Please register!"
}
```