Sandeep Kumar Bijarnia

IITK Roll no. - 200856

Backend Assignment

Assumptions -

I used mongoDB database, express framework and Postman to check the proper functioning of APIs. Below I have attached some screenshots of the same.

Use following command to start sever

```
npm start
```

```
ubuntu@ubuntu-Inspiron-3501:~/vs/gigforce/200856_Sandeep$ npm start

> gigforce@1.0.0 start /home/ubuntu/vs/gigforce/200856_Sandeep
> nodemon server.js

[nodemon] 2.0.15
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node server.js`
Server is running on Port: 8000
Database is connected :)
```

APIs

1. **api/register :** Users can register using this api and their details are saved in the database.

```
{
    "email":"sandeepskr1721@gmail.com",
    "password":"LongPassword",
    "name": "Sandeep Kumar",
    "phone": 8239850413,
    "address": "Hall 12, Room:- B-404"
}
```

Register api will check if entries are valid, also whether the user is already
registered or not. And save the details along with a token

```json
{
    "email": "sandeepskr1721@gmail.com",
    "password": "$2a$10$YCN.OKyl9jBlBaexA2v8.erbgiFLjpy0xyh06iI/UHr567Utl8qFy",
    "name": "Sandeep Kumar",
    "phone": 8239850413,
    "address": "Hall 12, Room:- B-404",
    "_id": "6237520fd28a65ab015f56b4",
    "__v": 0,
    "token":
"eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZCI6IjYyMzc1MjBmZDI4YTY1YWIwMTVmNTZiNCIsImVtYWlsIj
oidGVzdEBnbWFpbC5jb20iLCJpYXQiOjE2NDc3OTI2NTV9.lo6nhvMlzx5-SjqdnqOt95V0Q7US2IsCN-a0VzKmSoQ"
}
```
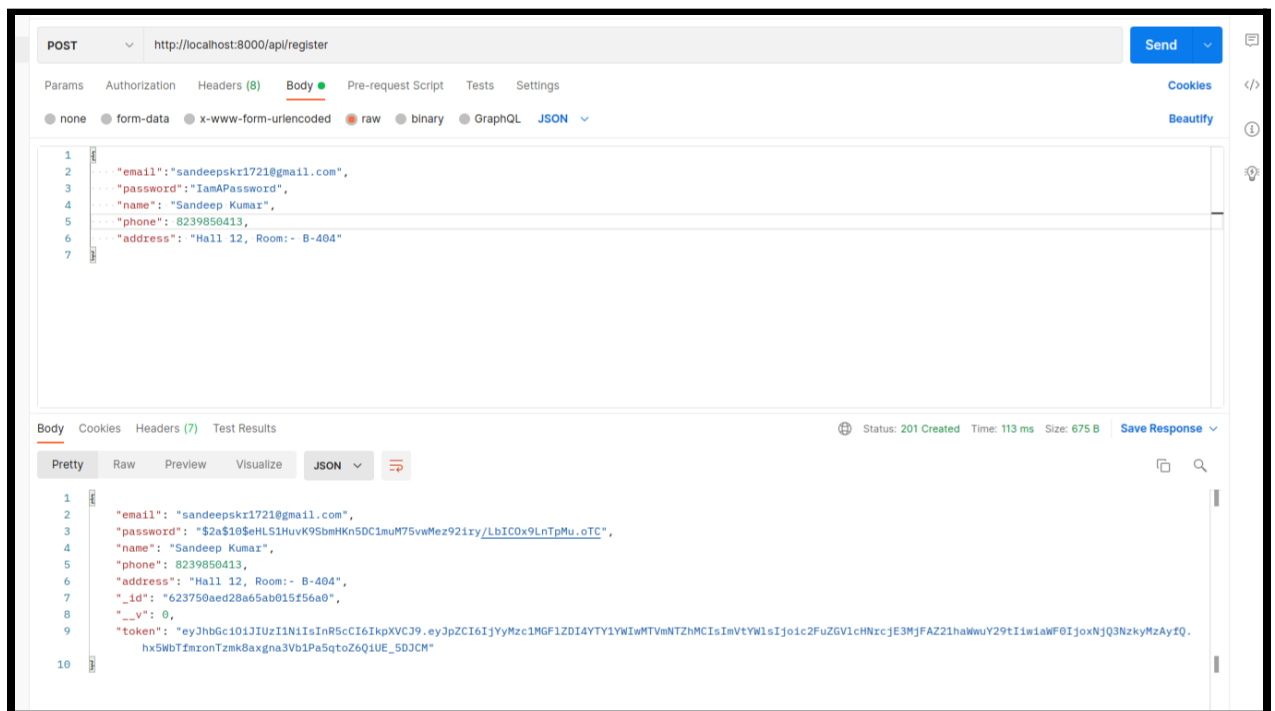

2. **api/login:** Users can login using this api.

```json
{
    "email":"sandeepskr1721@gmail.com",
    "password":"LongPassword"
}
```

```
Login api will check if email and password are correct,and login
accordingly. And save the details along with a token
```

3. **api/profile:** User can view his details only if the user is logged in. i.e we need to pass a user's token to view his profile, which is uniquely generated.

   Give token as input in the authorization header as bearer token and api will give following output -

```
{
    "_id": "623750aed28a65ab015f56a0",
    "email": "sandeepskr1721@gmail.com",
    "password": "$2a$10$eHLS1HuvK9SbmHKn5DC1muM75vwMez92iry/LbICOx9LnTpMu.oTC",
    "name": "Sandeep Kumar",
    "phone": 8239850413,
    "address": "Hall 12, Room:- B-404",
    "__v": 0
}
```