

# MID-TERM REPORT

**Mini Project - II**  
**(2020-2021)**  
**“GEEK SEEK”**  
**Synopsis**



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## Introduction of the Project:

Geek Seek is a full stack social network application for developers to be developed using Node.js, React, Redux, MongoDB, along with Express.

The platform will be developed in two parts – Front-end development and Back-end development. We will be building an extensive backend API using Node.js & Express and JWT will protect the endpoints. We will use Postman for testing our backend API and to handle requests. The front-end will be integrated with the backend in an elegant way to create a great workflow. For application state management, we will use Redux and create reducers and actions for our resources. Also, we will test our application using Redux Chrome extension. The application will be deployed to Heroku using Git.

## Technologies Used:

- MongoDB
- Express
- React
- Node.js
- Redux
- VS Code Editor
- JWT (JSON Web Tokens)
- Git
- Postman

## Objective:

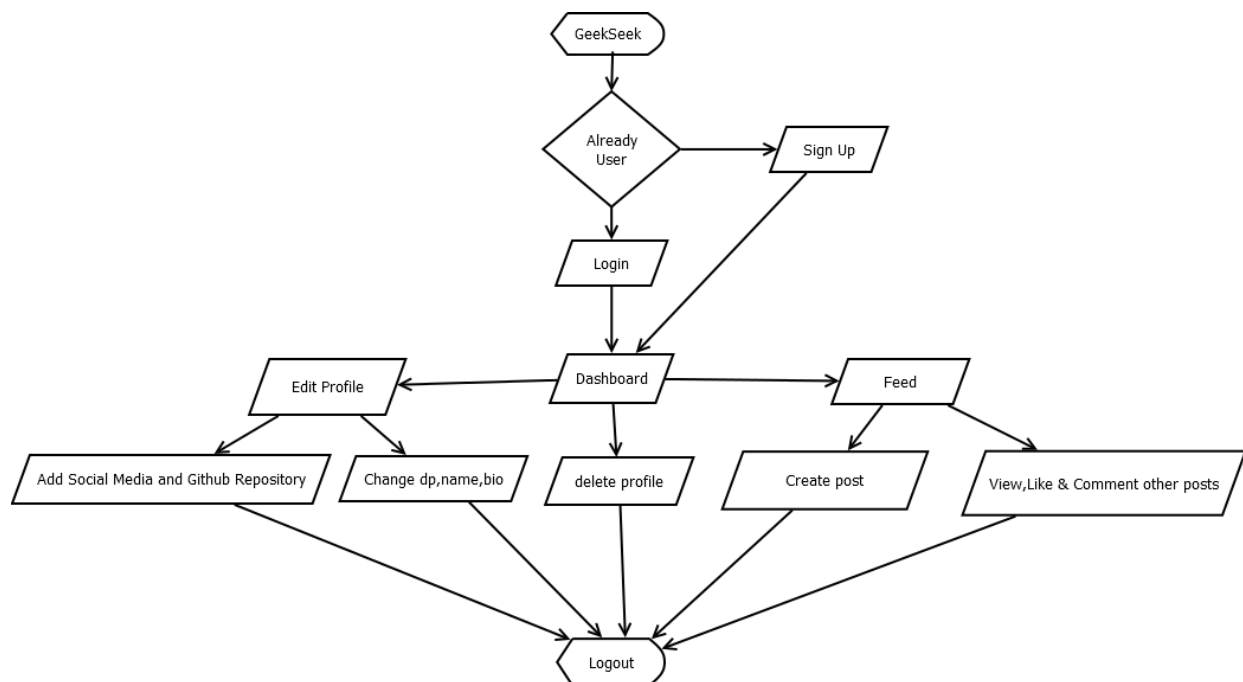
The project aims to build a full stack social network application for geeks which includes user authentication, user profiles and forum posts. The platform will be developed using MongoDB, Express, Node.js, Redux and React technologies.

The platform allows geeks to create their profile, update it or add additional details about them. They can also link their GitHub profiles by providing their GitHub username. The geeks can view profiles of other users and get connected with each other. They can post their views in the forum section, like other's posts and put comments too.

## Features:

- New users can create a profile and register themselves
- Authentication for existing users
- Viewing profiles of geeks without logging in to the account and connect
- Add additional details to the profiles and edit them
- Link GitHub accounts by providing the GitHub username
- View five latest git repositories in the user profiles
- Add posts in the forum
- View and Like posts of other geeks
- Comment on the posts of other geeks

## Flow Diagram:



## Backend-

We are testing our backend through Postman and Storing the data in mongoDB-Atlas(nosql cloud database).We are using Postman application to send and receive data from mongoDB-Atlas through POST and GET request.

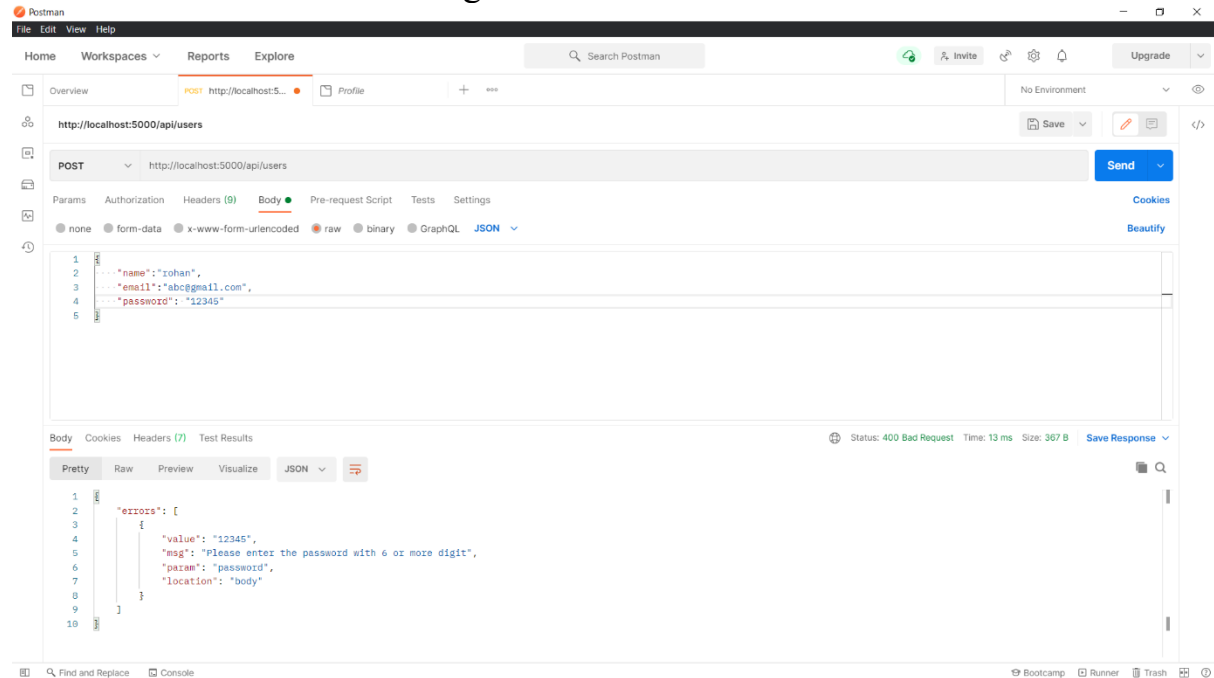
Currently we are able to register users through POST request and generate a token So that they can edit their own profile through a POST request Moreover we are also able to view all the profiles as well as individual profile created in data base by a GET request.

We are also able to authenticate users for Login Through POST request.

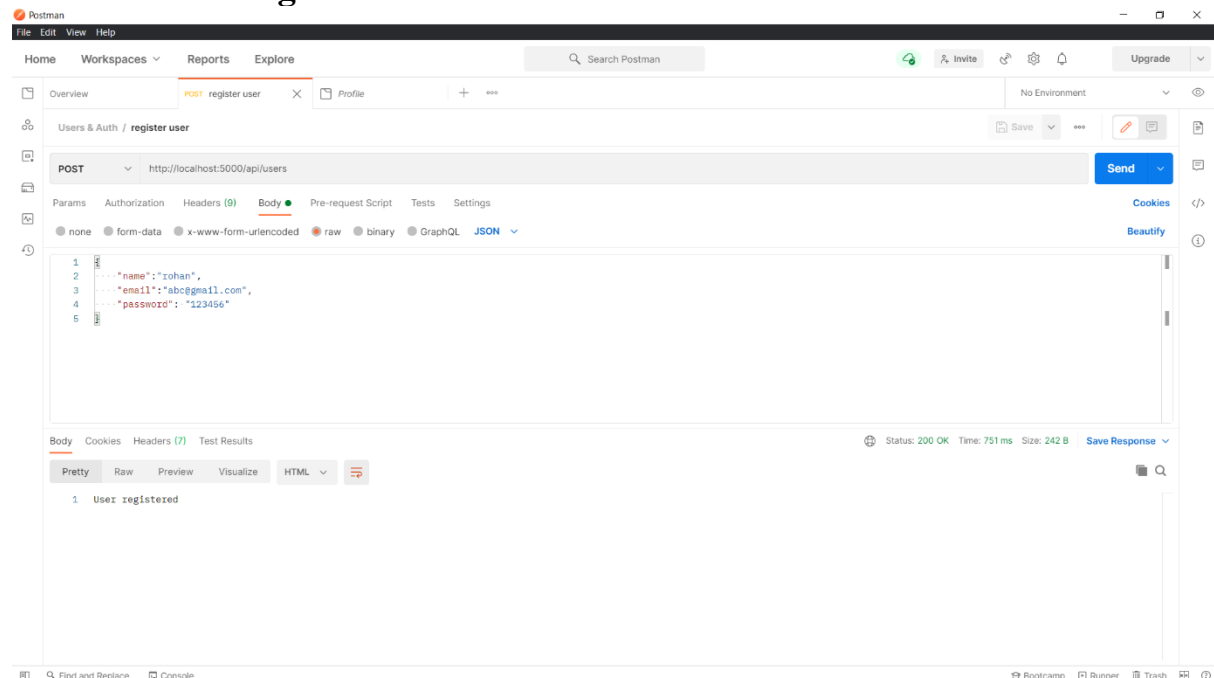
## Registering user using Post request – SIGN UP

1. we have put some validation like email checker and password length should be greater than 6.

If it doesn't follow an error is generated.



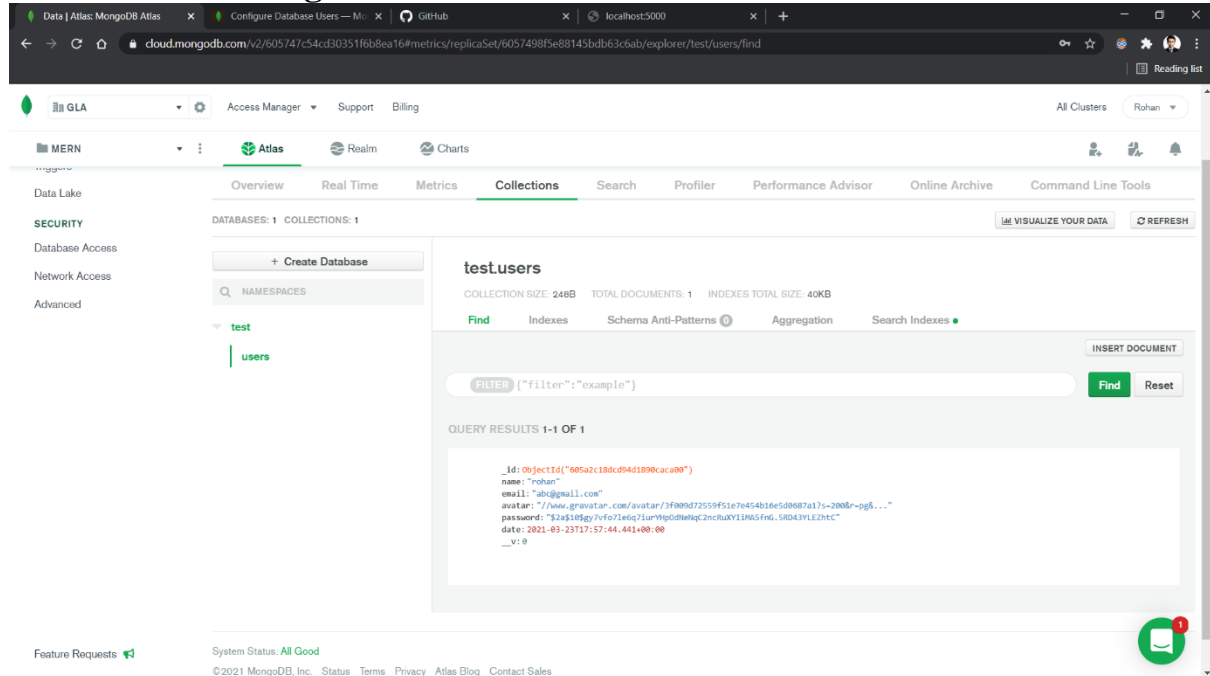
## 2.A successful registration-



The registered information is stored in mongoDB atlas.

**Note:** the password the user entered during registration is stored in an encrypted format

## Database After Registration -



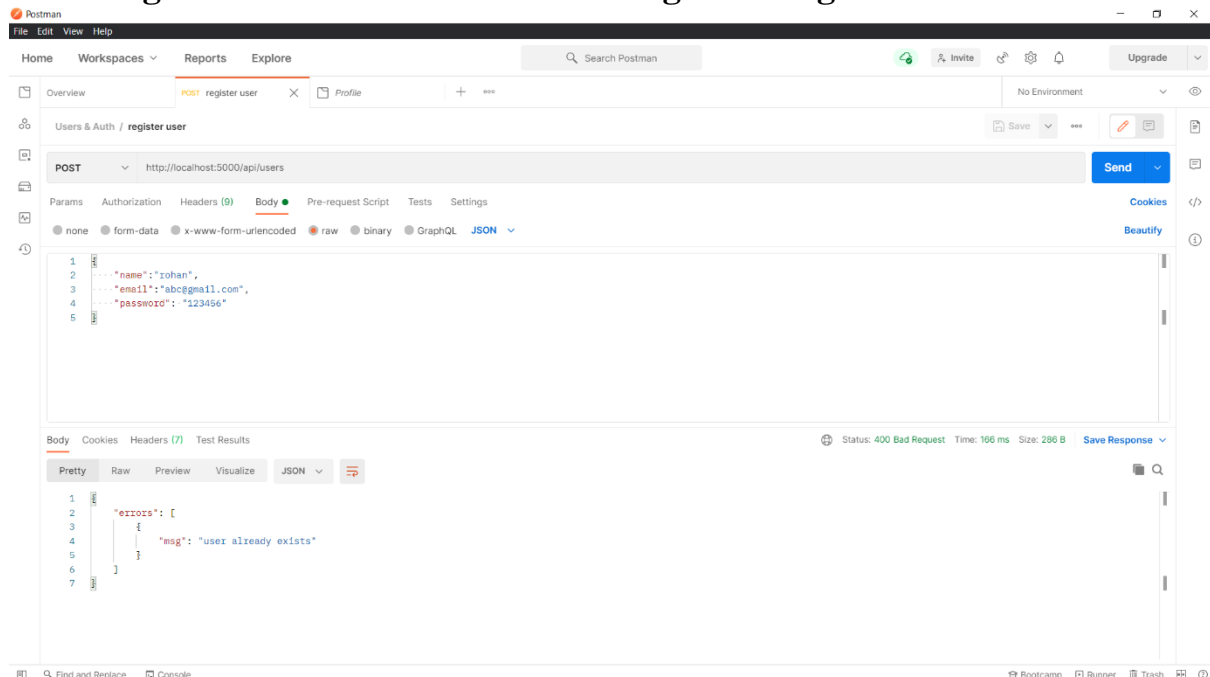
The screenshot shows the MongoDB Atlas web interface. The left sidebar displays the 'test' database and the 'users' collection. The main panel shows the 'testusers' collection with 1 document. The document details are as follows:

```

{
  "_id": ObjectId("605a2c18dc94d1890ca09"),
  "name": "rohan",
  "email": "abc@gmail.com",
  "avatar": "https://www.gravatar.com/avatar/3f809d72559f5e7e454b16e5d8687a175-2008r-pg8...",
  "password": "$2a$10$gy7vfo7le6q7iur9p0dW6q2nc8uXV1965fng.58D43VLE2htc",
  "date": "2021-03-23T17:57:44.441+00:00",
  "__v": 0
}

```

## 4.The registered email Id cannot be re-registered again



The screenshot shows the Postman application with a POST request to `http://localhost:5000/api/users`. The request body is a JSON object:

```

{
  "name": "rohan",
  "email": "abc@gmail.com",
  "password": "123456"
}

```

The response status is `400 Bad Request` with the following JSON body:

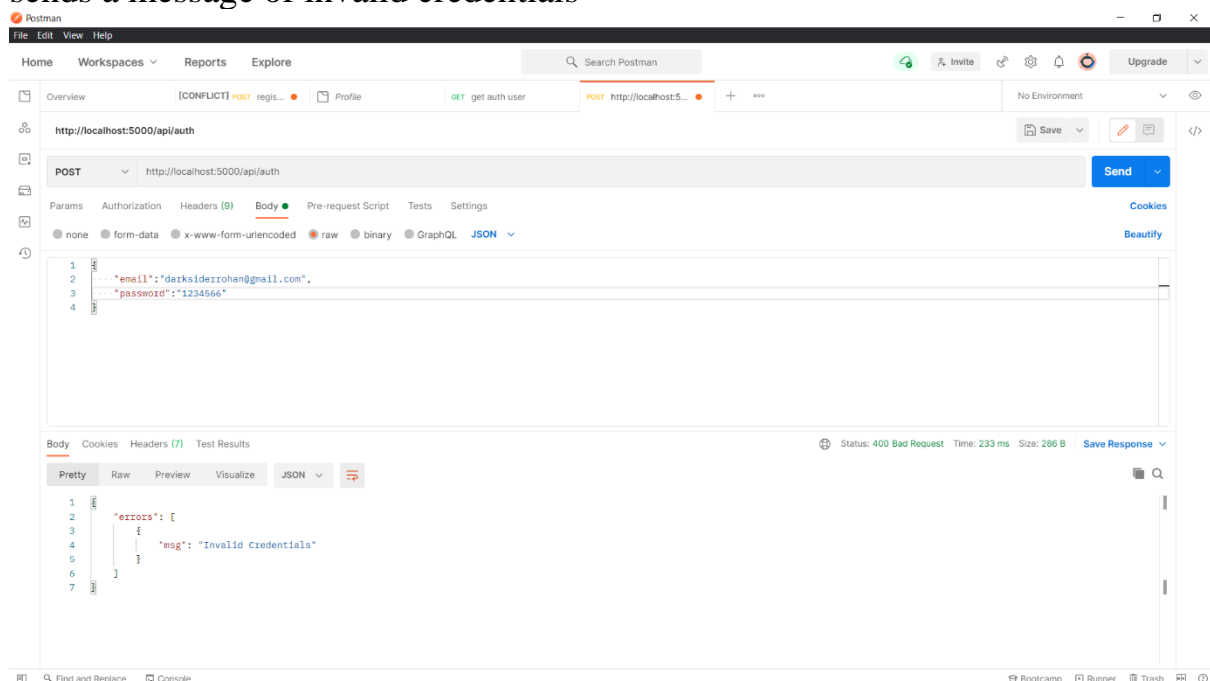
```

{
  "errors": [
    {
      "msg": "user already exists"
    }
  ]
}

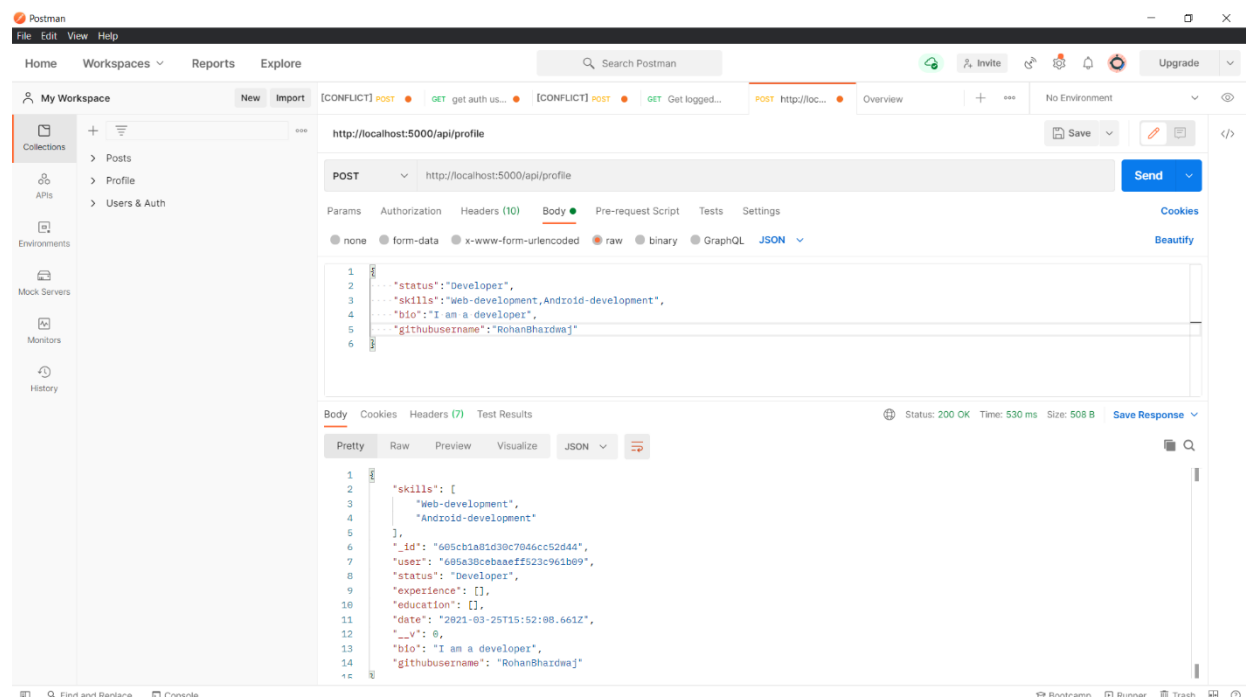
```



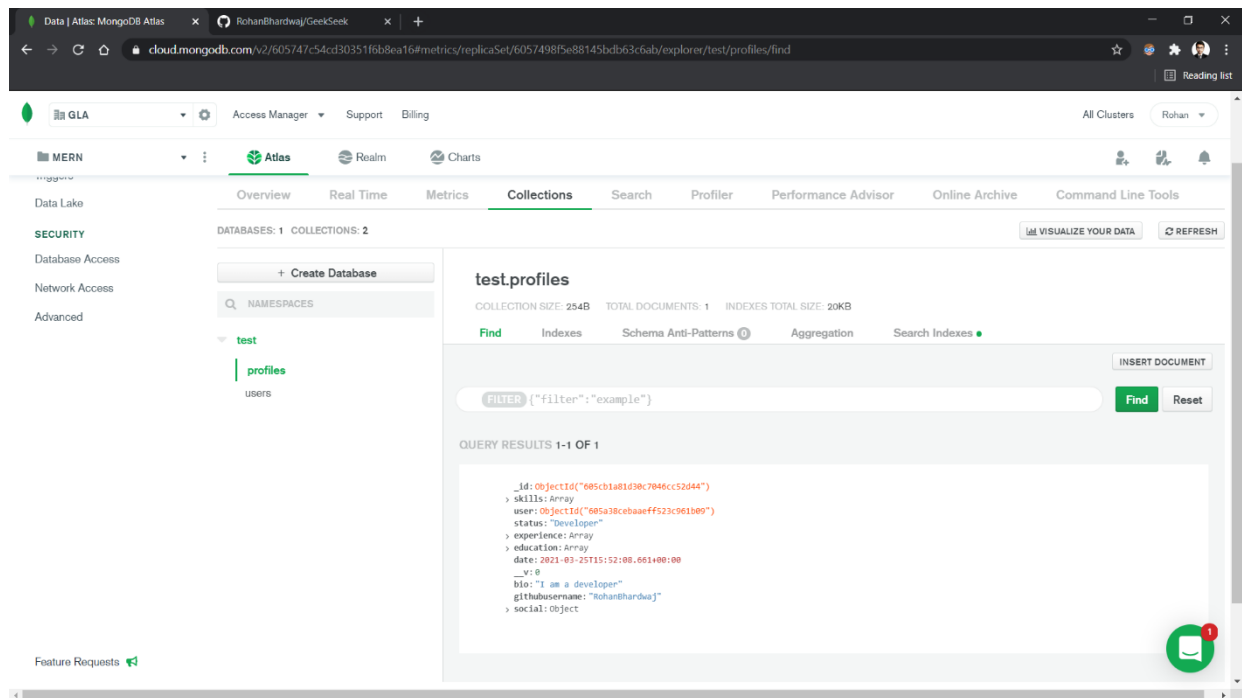
1.If user doesn't exists or enters invalid credentials it doesn't authenticate and sends a message of invalid credentials



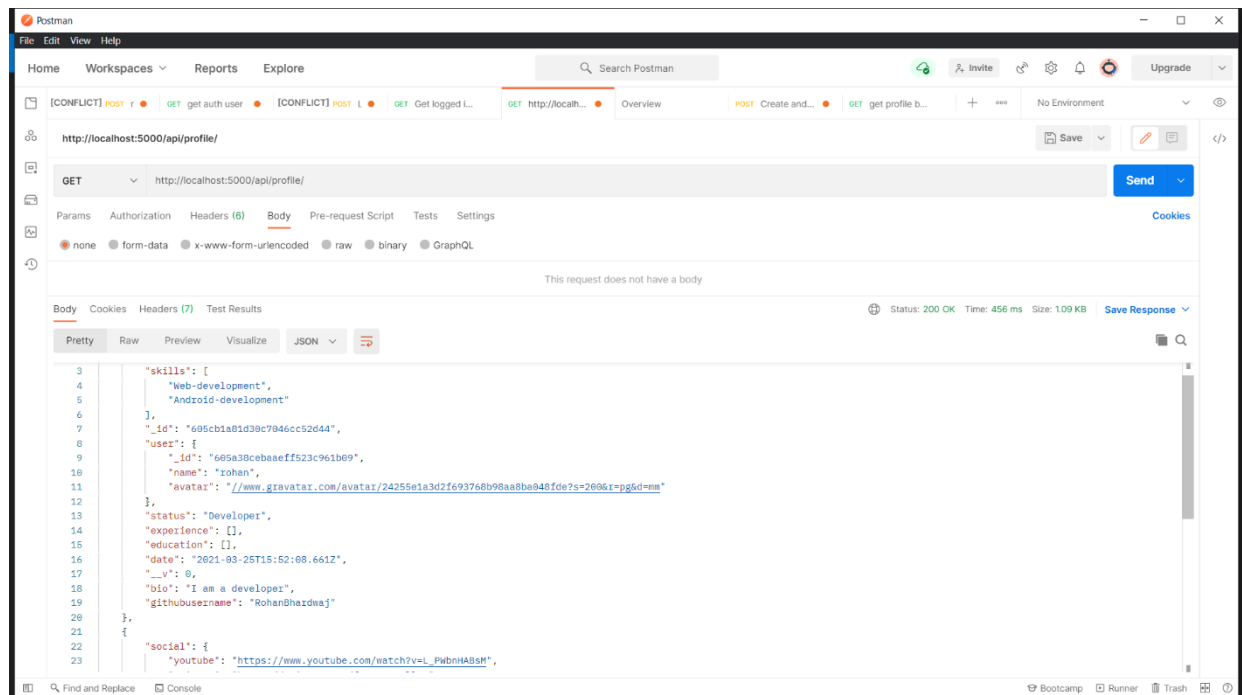




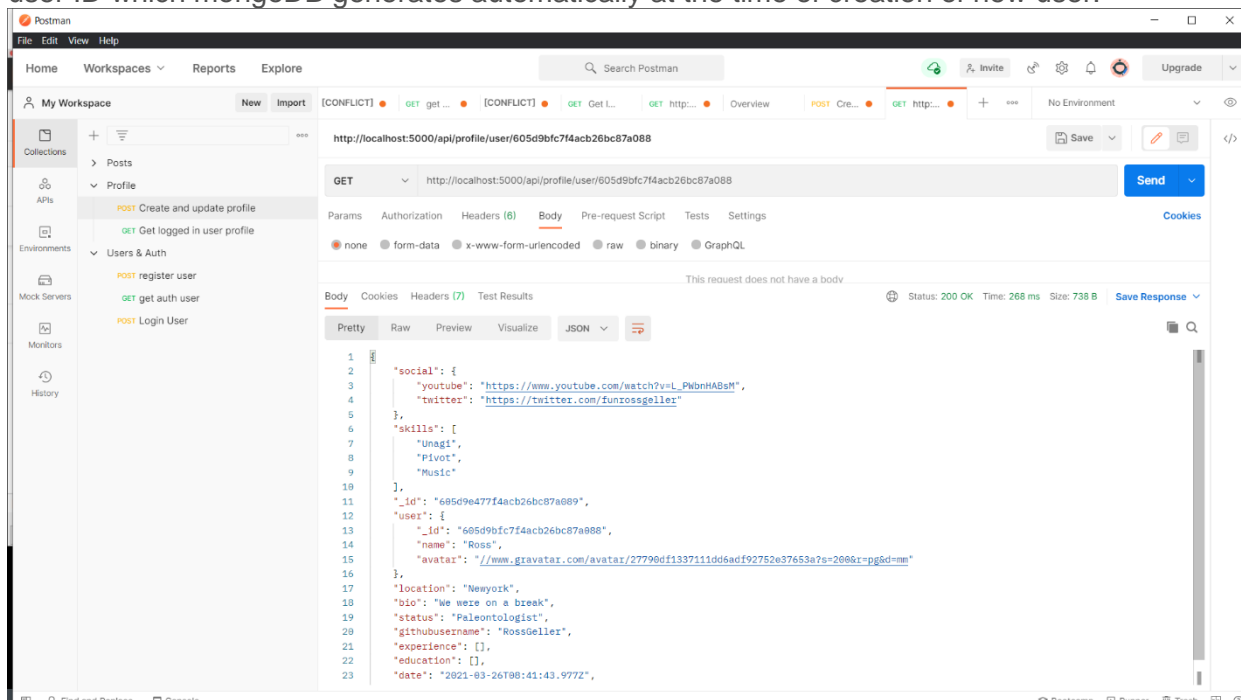
## 2. Snapshot of added profile added in the database



## 3. We can also view all the profile with the help of GET request

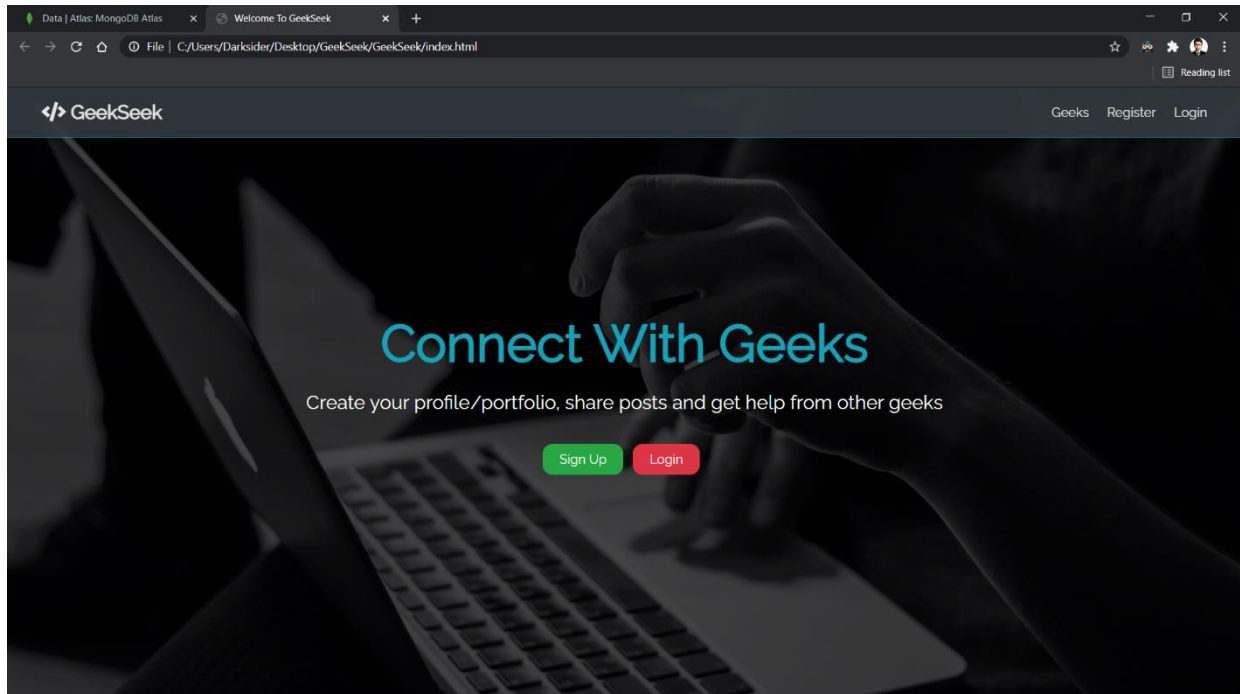


**4. We can also view specific user profile just by putting its user id in the URL**  
 e.g. ( <http://localhost:5000/api/profile/user/605d9bfc7f4acb26bc87a088>) that number is the user ID which mongoDB generates automatically at the time of creation of new user.

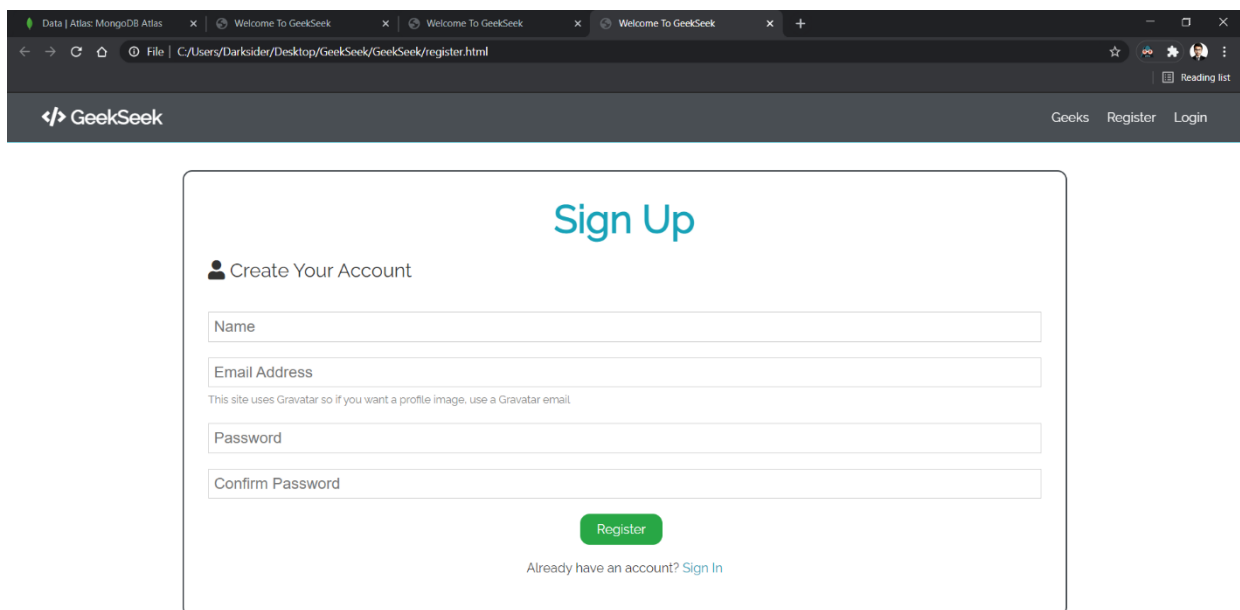


## GeekSeek Frontend Templates Screenshots-

### Landing Page-



### SignUp Page-

A screenshot of the GeekSeek sign-up page. The browser's address bar shows 'C:/Users/Darksider/Desktop/GeekSeek/GeekSeek/register.html'. The page has a white background with a light blue border. The heading 'Sign Up' is in a large, light blue font. Below it, there is a section titled 'Create Your Account' with a user icon. The form contains four input fields: 'Name', 'Email Address', 'Password', and 'Confirm Password'. A small note below the email field states 'This site uses Gravatar so if you want a profile image, use a Gravatar email'. At the bottom of the form is a green 'Register' button. Below the button, there is a link that says 'Already have an account? Sign In'.

## Login Page-

The screenshot shows a web browser window with the URL `C:/Users/Darksider/Desktop/GeekSeek/GeekSeek/login.html`. The page has a dark header with the 'GeekSeek' logo and links for 'Geeks', 'Register', and 'Login'. The main content area is white and contains a red error banner at the top that reads 'Invalid Credentials!'. Below this is a large blue 'Sign In' heading, followed by a user icon and the text 'Sign Into Your Account'. There are two input fields: 'Enter Your Email Address' and 'Enter Your Password'. A green 'Login' button is centered below the fields. At the bottom, there is a link that says 'Don't have an account? Sign Up'.

## Create Profile Page-

The screenshot shows a web browser window with the URL `C:/Users/Darksider/Desktop/GeekSeek/GeekSeek/create-profile.html`. The page has a dark header with the 'GeekSeek' logo and links for 'Geeks', 'Posts', 'Dashboard', and 'Log Out'. The main content area is white and contains a blue heading 'Create Your Profile'. Below the heading is a sub-heading 'Let's get some information to make your profile stand out'. There is a red asterisk indicating a required field. The form includes a dropdown menu for 'Select Professional Status', followed by input fields for 'Company', 'Website', 'Location', and 'Skills'. There is a note about skills: 'Please use machine dependent values like HTML, CSS, JavaScript, etc.'. Below these are input fields for 'Github Username' and 'A short bio of yourself'. There is a blue button labeled 'Add Social Network Links'. Below this are input fields for 'Twitter URL', 'Facebook URL', 'YouTube URL', 'LinkedIn URL', and 'Instagram URL'. At the bottom, there are two buttons: a red 'Submit' button and a green 'Go Back' button.

## GitHub Repository-

<https://github.com/RohanBhardwaj/GeekSeek>

The screenshot shows the GitHub repository page for **RohanBhardwaj/GeekSeek**. The repository is currently on the **master** branch with 1 branch and 0 tags. It has 2 unwatchers, 0 stars, and 0 forks. The repository contains 16 commits and 11 files/folders. The files and folders listed are:

File/Folder	Description	Commit Time
config	setting useFindAndModify to false	6 hours ago
middleware	jwt verify	3 days ago
models	creating and updating user profile	22 hours ago
routes/api	Get profile by user id	5 hours ago
.gitignore	Initial Commit	3 days ago
Synopsis.pdf	Added Synopsis	3 days ago
package-lock.json	Initial Commit	3 days ago
package.json	Initial Commit	3 days ago
server.js	adding check on name email and password	3 days ago

The repository also includes a **README** button and a **Contributors** section showing 2 contributors: RohanBhardwaj and Shivani-781.