Contents

To set up and run the code in the local environment, follow the steps below.

Installation

Following software need to be installed.

1. Atom Text Editor.
2. Node JS and Node Package Manager.
3. MongoDB Server shell.
4. Mongo GUI: Robo 3T.
5. Postman API Platform
6. GitHub
7. GitHub Desktop (In case the user is not proficient with Git Commands)

Source Code Download

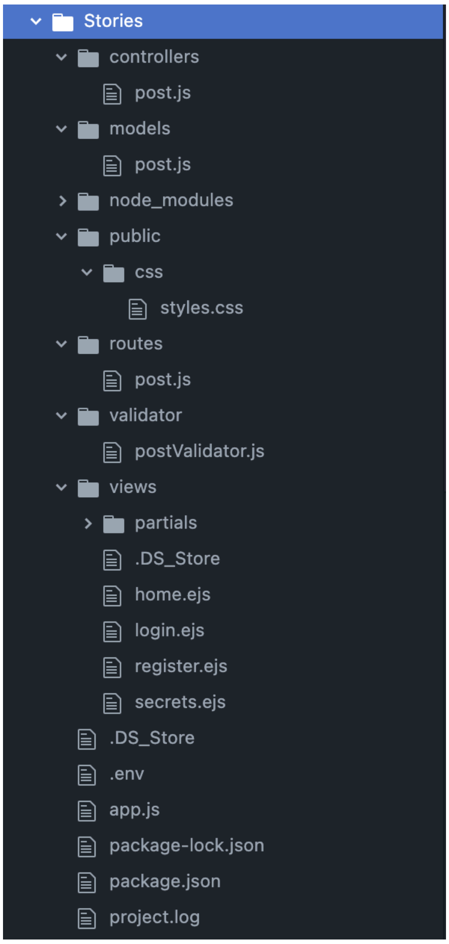
The source code for the Web Project and SQL project should be downloaded from the following GitHub repository.

Sr. No.	Repository name	Description	Location
1	UserStories	This repository contains the code for the user interface, business logic, and Web APIs	Repository Link

Figure 1: GitHub Repos

Project Folder Structure

The project directory should looks like this-



```
Stories
  controllers
    post.js
  models
    post.js
  node_modules
  public
    css
      styles.css
  routes
    post.js
  validator
    postValidator.js
  views
    partials
    .DS_Store
    home.ejs
    login.ejs
    register.ejs
    secrets.ejs
  .DS_Store
  .env
  app.js
  package-lock.json
  package.json
  project.log
```

Figure 3: Project Structure

Web- Application Setup

The following steps should be followed to set up the application on the local machine.

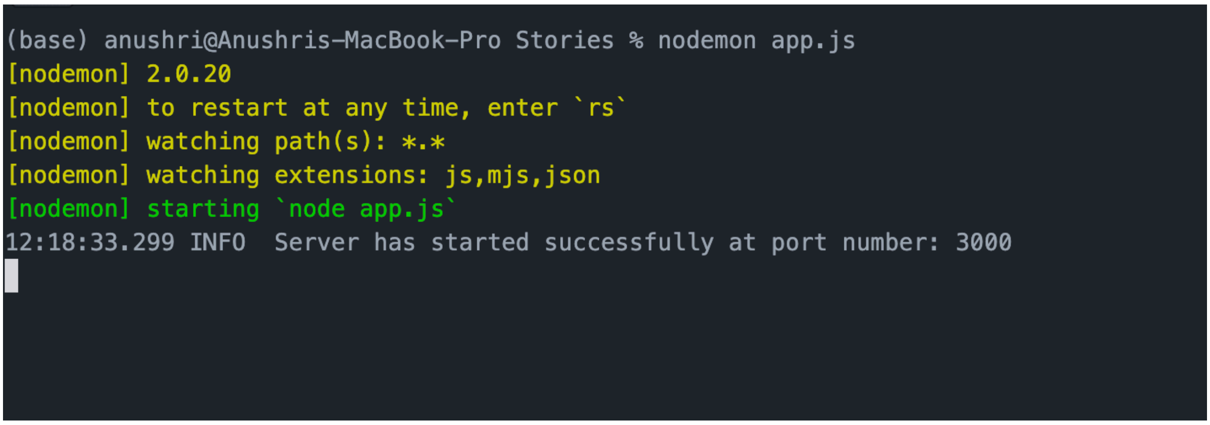
1. Once the project is downloaded from the Github repositories, open the project in atom editor environment. Open the terminal with the main app.js file and write the following commands in the terminal -
   a. npm init
   b. npm i express, nodemon, express-validator, body-Parser, ejs , dotenv , mongoose, logger

The above mentioned packages have the following significance-

Package name	Significance
Npm init	This will create the package.json file and will initialise the packages once they are installed.
Express	It is a node JS web application framework to create RestFul APIs.
Nodemon	Nodemon allows Node.js based applications to automatically restarting the server when any file changes are detected with in the directory.
Express- Validator	It is a library of nodeJS, that provides middleware validation and sanitization of the code.
EJS	It is Embedded JavaScript Template which helps in generating HTML markup with java script. (FrontEnd).
Dotenv	This helps in loading environment variables from a .env file into process.env. (Configuration)
Mongoose	This is a JavaScript object-oriented programming library that creates a connection between MongoDB and the Node.js JavaScript runtime environment.
Logger	A library for implementing Logging and Debugging functionalities.

Figure 3: Node Packages

2. After the successful installation of the above mentioned packages, start the server with the command: nodemon app.js

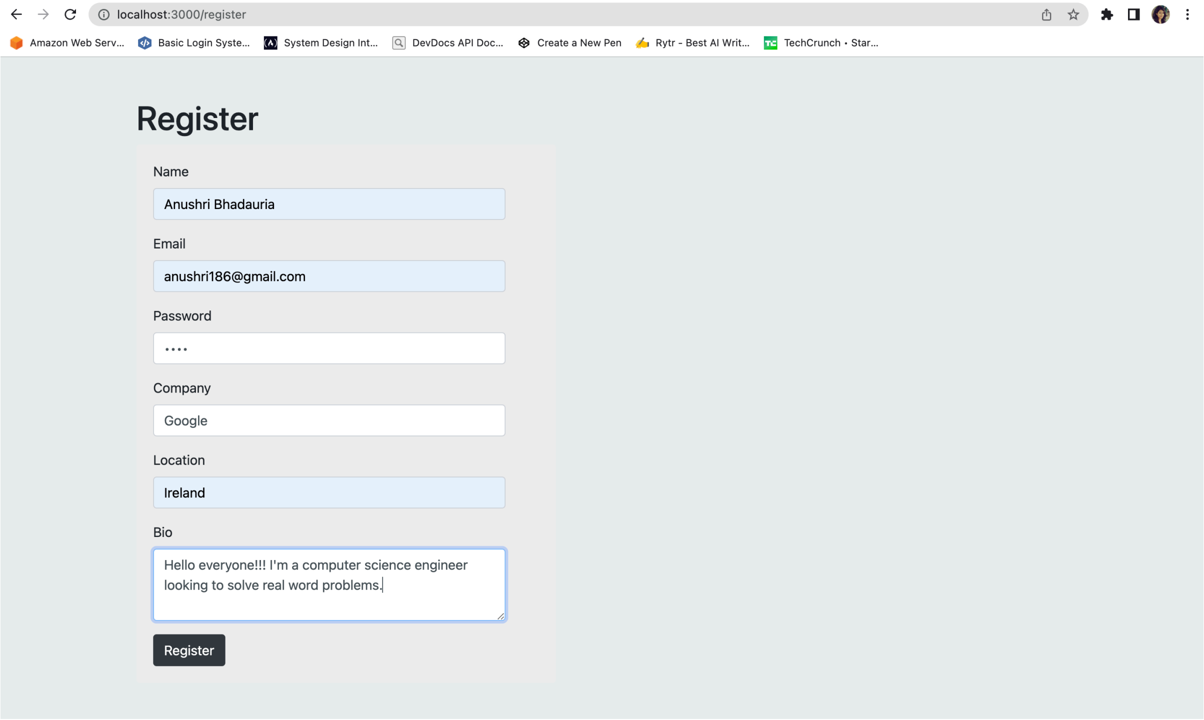


```
(base) anushri@Anushris-MacBook-Pro Stories % nodemon app.js
[nodemon] 2.0.20
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node app.js`
12:18:33.299 INFO  Server has started successfully at port number: 3000
```

Figure 4: Starting the server

3. Open any Internet browser, and type localhost:3000, it will pop up the home page-

4. Select the Register button for the first time and fill in the details as asked.



Register

Name: Anushri Bhadauria

Email: anushri186@gmail.com

Password: ••••

Company: Google

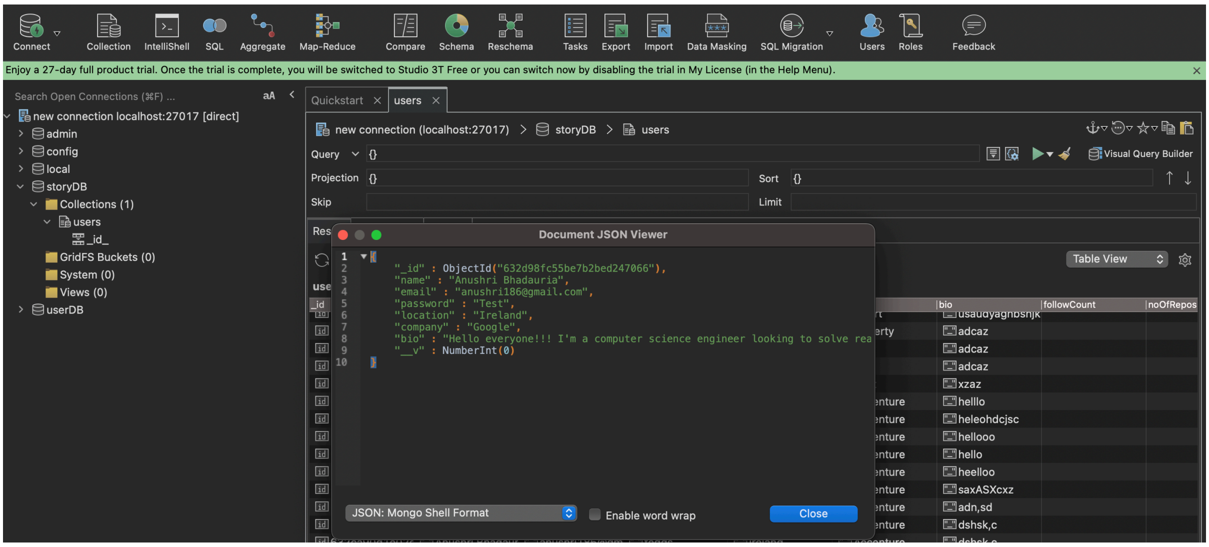
Location: Ireland

Bio: Hello everyone!!! I'm a computer science engineer looking to solve real word problems.

Register

Figure 6: Entering User details.

5. Once the user submits the form, the app will store the details in the database and will redirect the user to his/her profile page.



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new connection (localhost:27017) > storyDB > users

Query: {}

Projection: {}

Sort: {}

Skip:

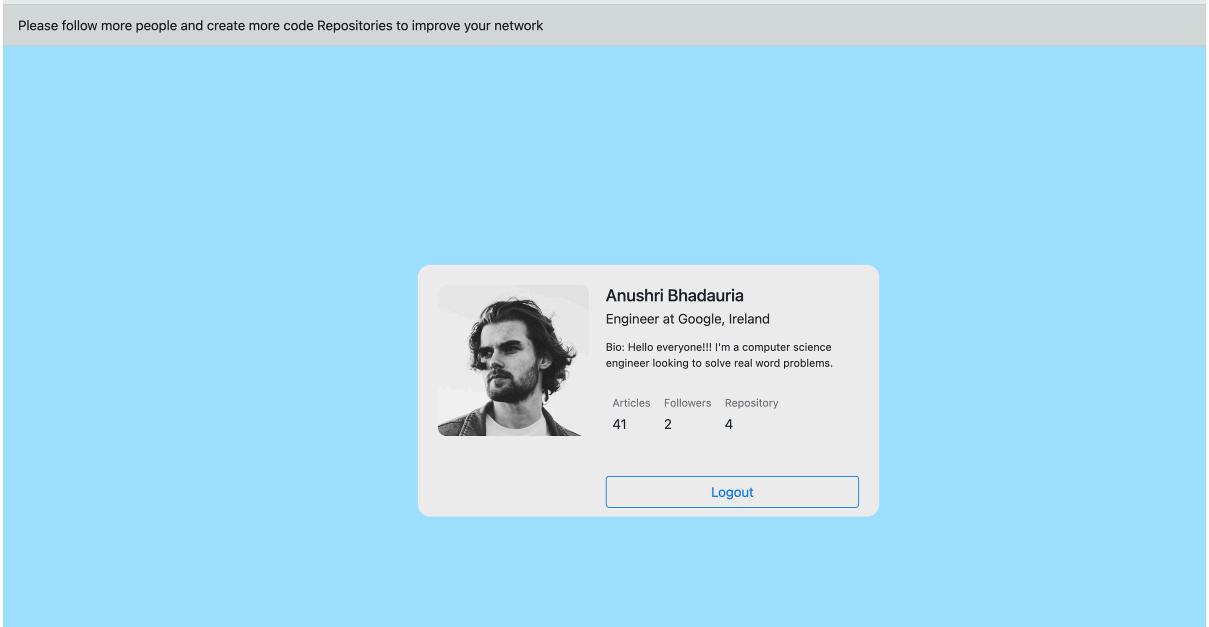
Limit:

Document JSON Viewer

```
{
    "_id" : ObjectId("632d98fc55be7b2bed247066"),
    "name" : "Anushri Bhadauria",
    "email" : "anushri186@gmail.com",
    "password" : "Test",
    "location" : "Ireland",
    "company" : "Google",
    "bio" : "Hello everyone!!! I'm a computer science engineer looking to solve rea
    "__v" : NumberInt(0)
}
```

bio	followCount	noOfRepos
usaudyagnbsnjk		
adcaz		
adcaz		
adcaz		
xzaz		
helllo		
heleohdcjsc		
hellooo		
hello		
heelloo		
saxASXcxz		
adn,sd		
dshsk,c		
dshsk,c		

Figure 7: User details stored in the database



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Anushri Bhadauria

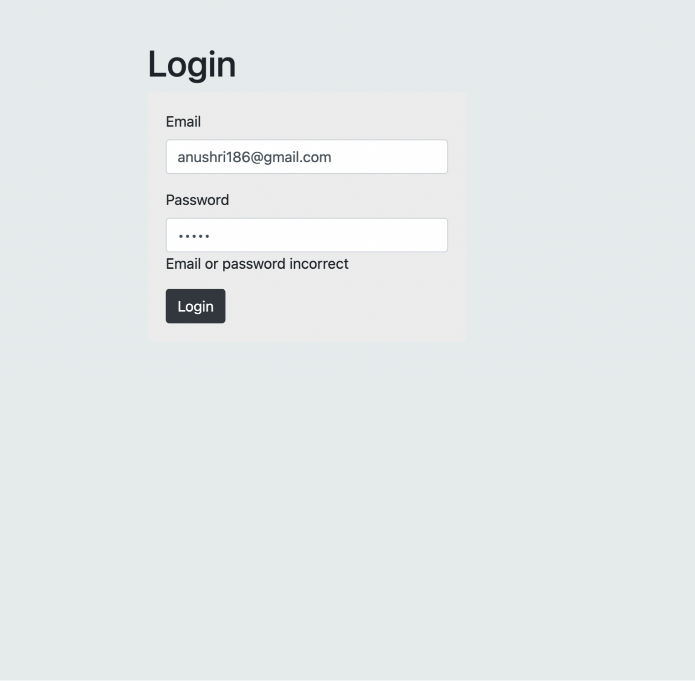
Engineer at Google, Ireland

Bio: Hello everyone!!! I'm a computer science engineer looking to solve real word problems.

Articles	Followers	Repository
41	2	4

Figure 8: User Profile(with the details entered by the user in the Register Form)

6. Once again visit the home page and select login, here enter the email and password that the user has used while registering. If there is a mismatch between the entered value of email and password with the backend data, the app will not allow user to visit his/her profile. Once the user enters the correct values, the app will redirect to the User Profile page.



Login

Email: anushri186@gmail.com

Password: •••••

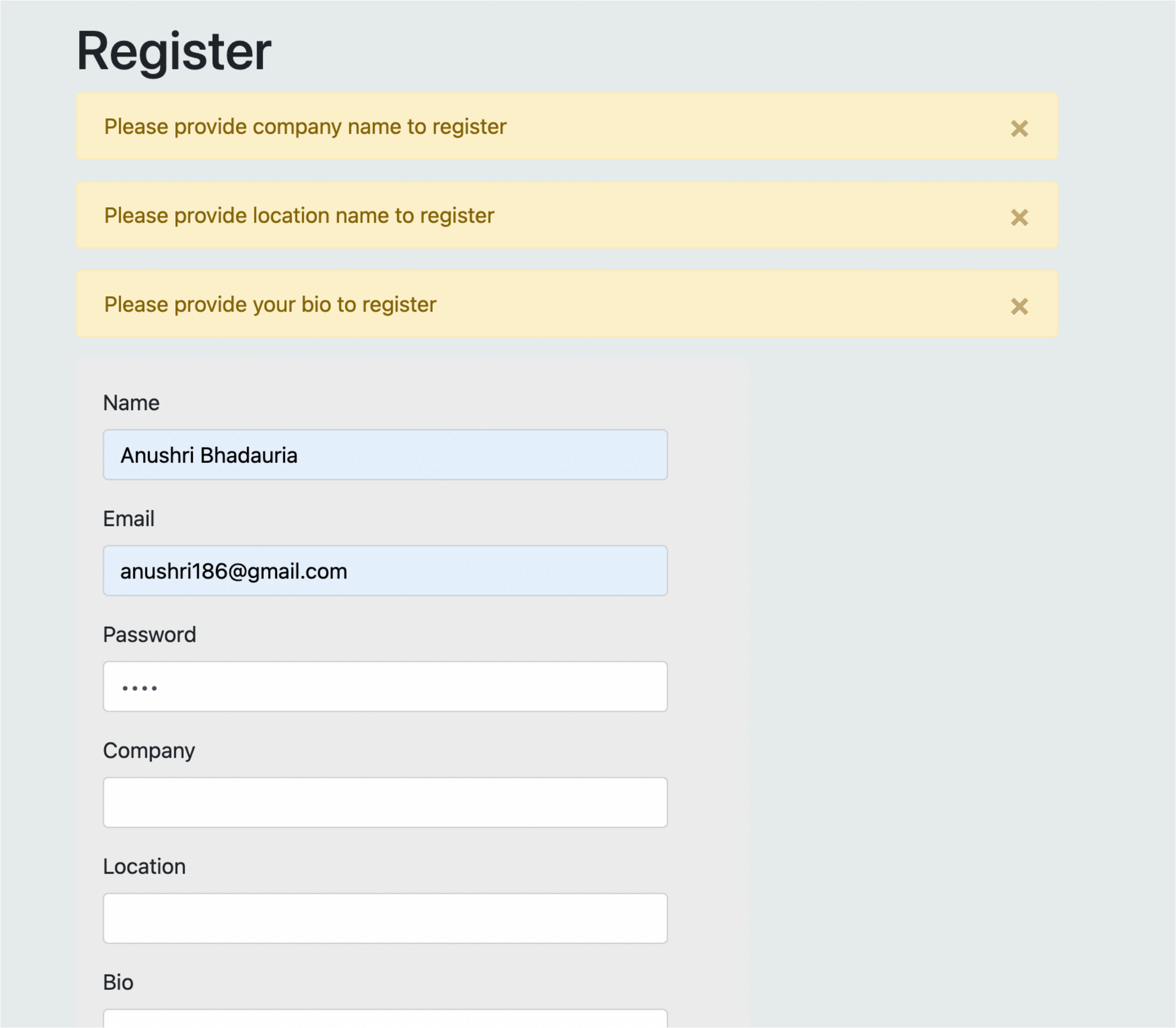
Email or password incorrect

Figure 9: Authorising the user.

Story Implementation

Story 1:

The app will alert the user to enter his company, location and bio details on his profile, and once the user has entered these fields, the app will allow him/her to visit their profile page.



Register

Please provide company name to register ✕

Please provide location name to register ✕

Please provide your bio to register ✕

Name: Anushri Bhadauria

Email: anushri186@gmail.com

Password: ••••

Company:

Location:

Bio:

Figure 10 : Story1 Implementation

Story 2:

With the user following and repositories count less than 5, the user will be alerted with the pop up, saying - He/She needs to write more code and follow more people to improve his/her network.

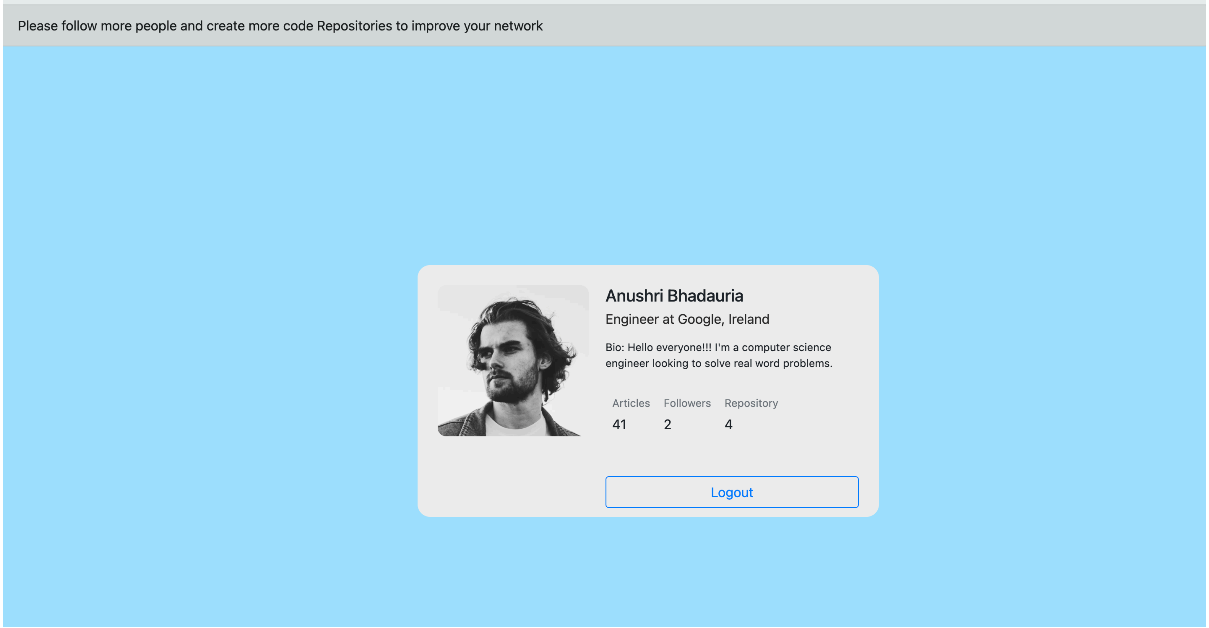


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Figure 11 : Story2 Implementation