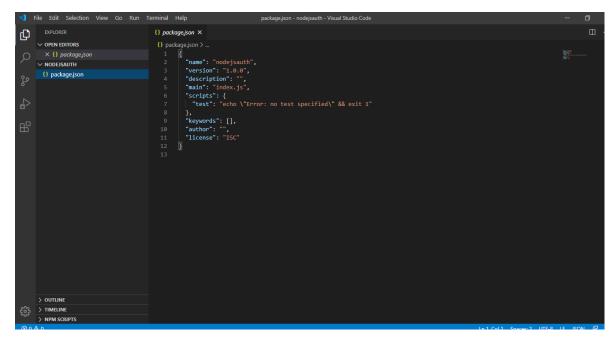
NODEJS AUTHENTICATION PROJECT:

Initially we need .Json file to start a project.

MODULE-1 AUTHENTICATION

So for Json file we use npm init –y where npm stands for(Node Package Manager) So the json as:



Step 2:We install the resources required for the project Such as:

We use npm i npm i express bcryptjs passport passport-local ejs express-ejslayouts mongoose connect-flash express-session

Express->it's our web application server framework

Bcrypjs->To encrypt password because we won't store password in plaintest

Passport->Authentication purpose

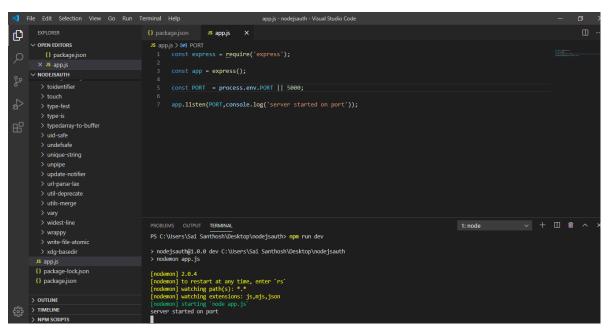
Ejs->for layouts

Mongoose->For Database

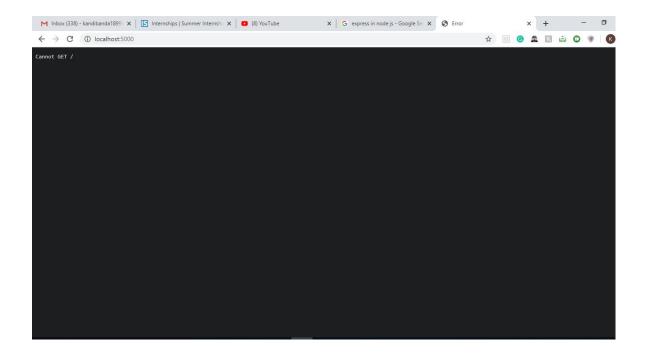
Connect-Flash->for flash messaging

Nodemon->it's very important to make our task easier because we don't to stop and start the server while making the changes

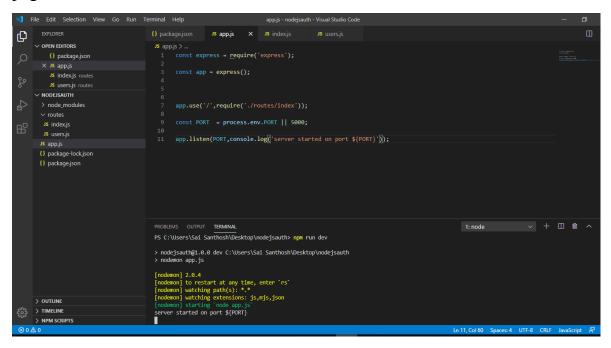
3)We have assigned a port number and tested it



At present we don't have any routes so if we go localhost:5000 we will get it

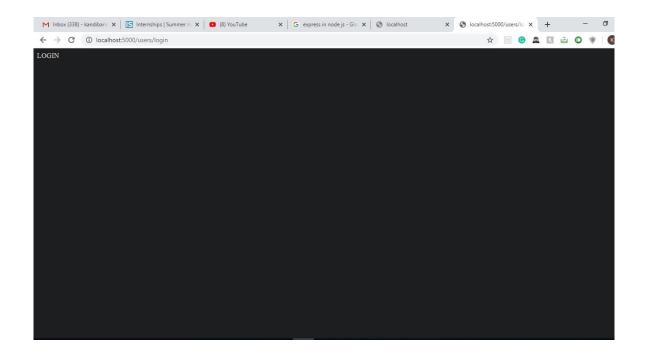


4)After that we are creating routes folder and then we will connect our index page to local host

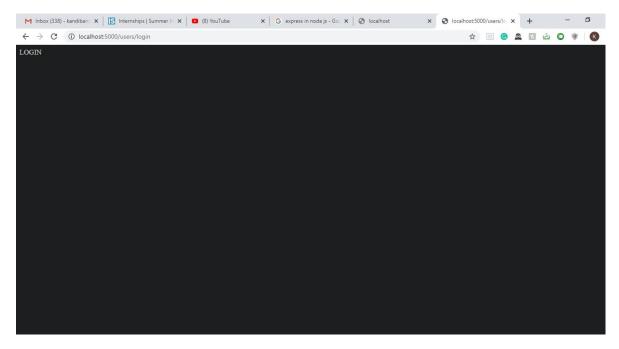


5)we will two pages such as login and register such as

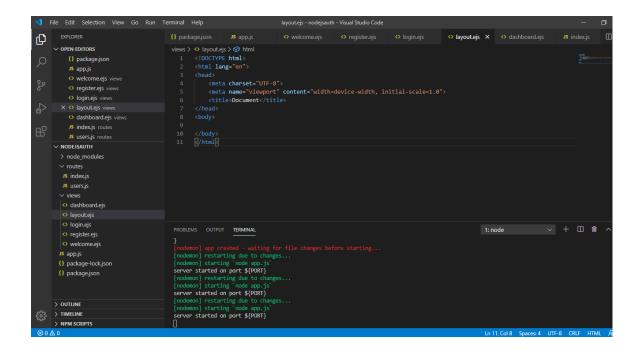
THE LOGIN PAGE SUCH AS:



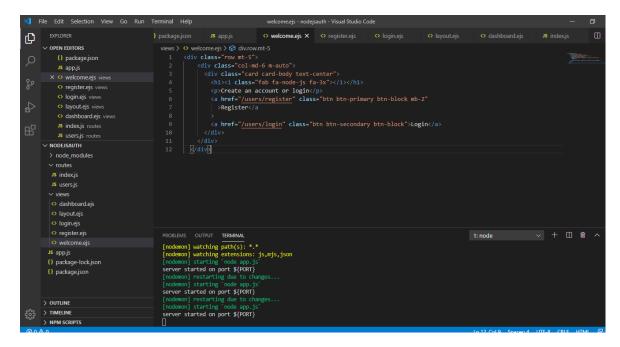
THE REGISTER PAGE



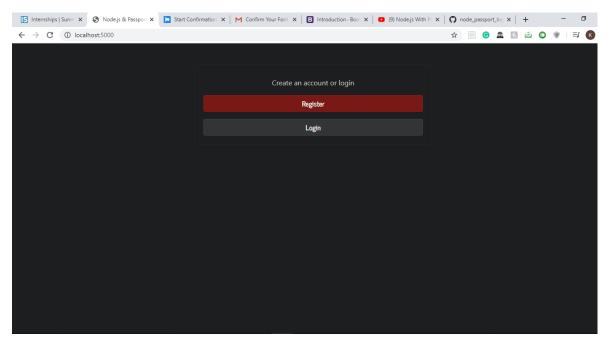
We also create view folder in which we have login, signup, register, dashboard etc.



I used bootstrap for the welcome page such as:



And the welcome page looks like:



After this I have designed a register page

```
Ф

✓ OPEN EDITORS

           {} package.json

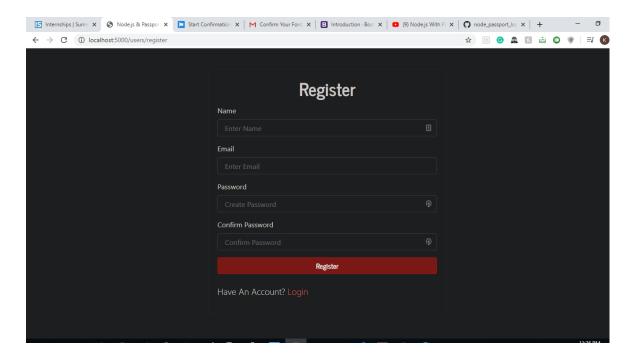
/--% include ./partials/messages %>-->

/form action="/users/register" method="POST")

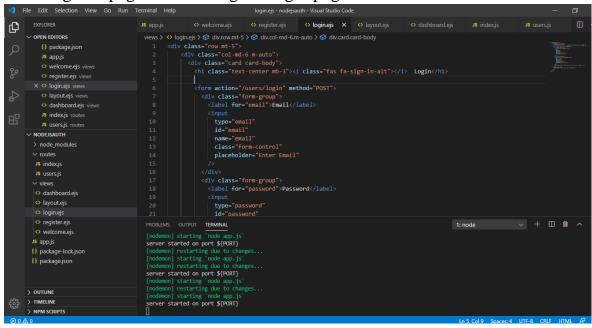
/label for="name">Name

/label>
            JS index.js routes
JS users.js routes
                                                                                 cinput
type="name"
id="name"
name="name"
class="form-control"
placeholder="Enter Name"
value="c%= typeof name != 'undefined' ? name : '' %>"
       ∨ NODEJSAUTH
         > node modules
          JS index.js
JS users.js
         <div class="form-group">
  <label for="email">Email</label>
         ⇔ register.ejs
⇔ welcome.ejs
                                                                                                                                                                                        1: node
                                                         [nodemon] starting `node app.js
server started on port ${PORT}
         {} package.json
                                                         incodemon[ starting `node app.j
server started on port ${PORT}
       > TIMELINE
```

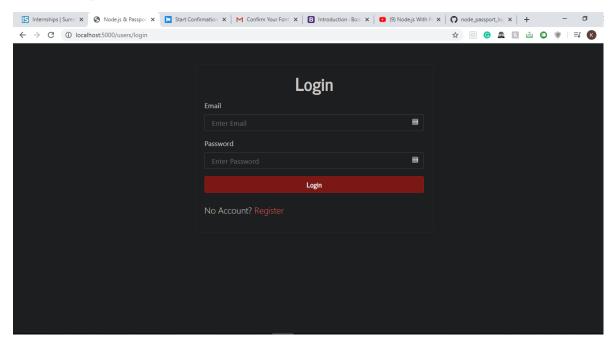
The register page looks like



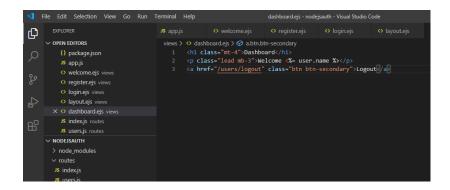
After register page I have designed login page:



The login page looks like

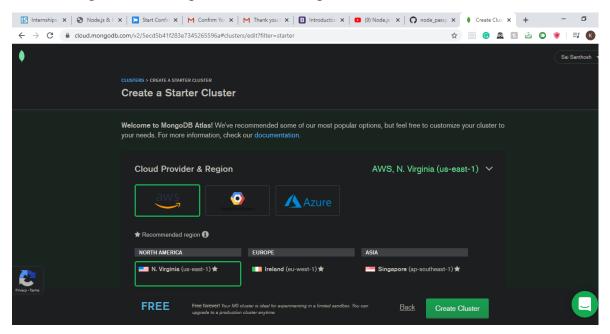


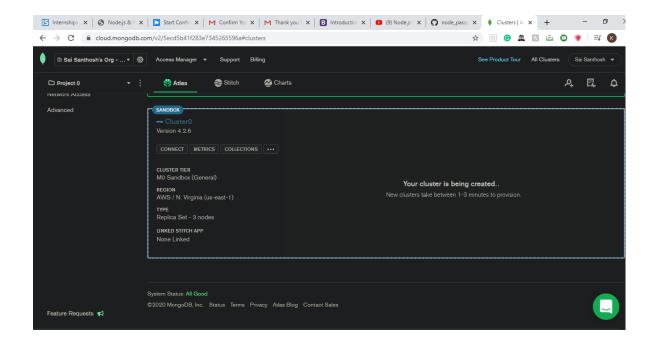
As I discussed earlier I have designed a dashboard page



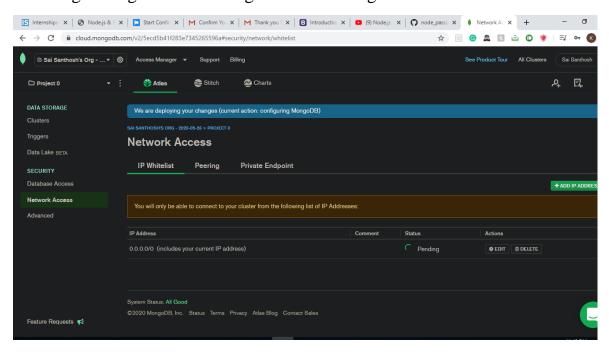
After designing the dashboard we use mongoose basically used to attach database with web pages

I use Mongoose here it goes after creating a cluster

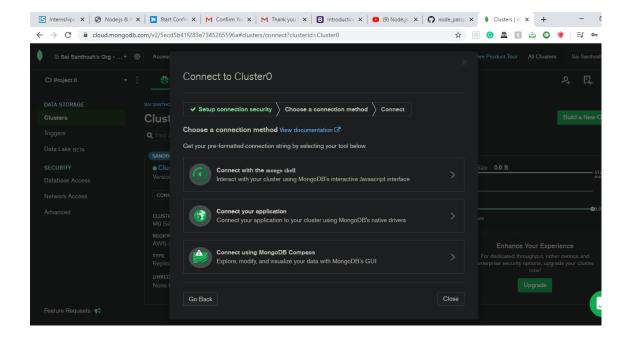


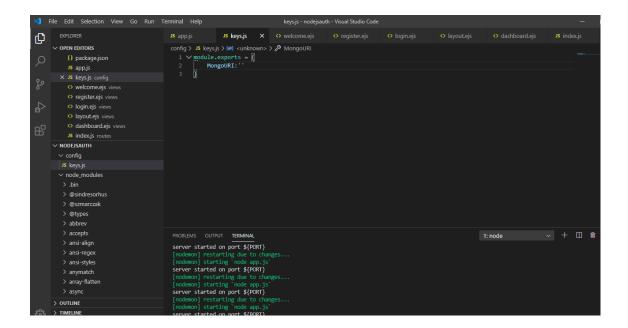


After registering a user in MongoDB and adding N/W access such as 0.0.0.0

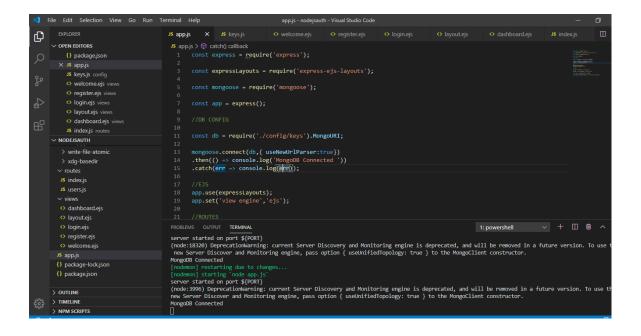


Connecting MongoDB with Our application



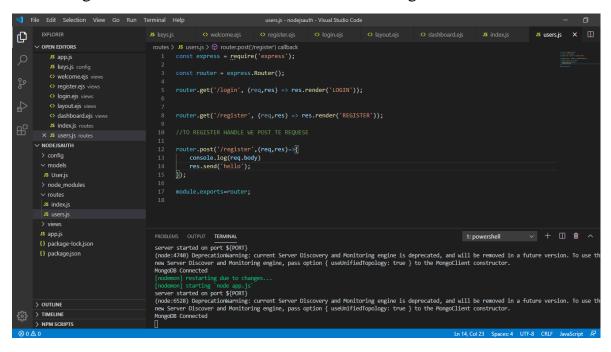


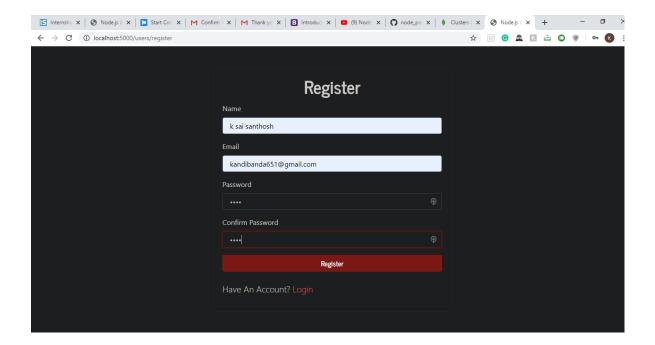
I have connected the Database.



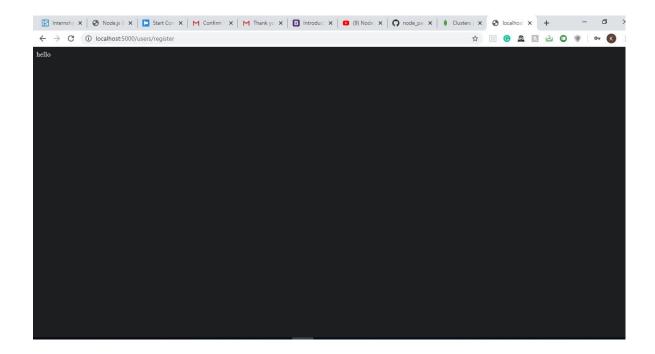
We have connected the database

We have given a token such that it sends hello message in return





As soon as we register we got a reply message as hello



Till the time we haven't done the validations but I have gven the same password as we see in the terminal we will get the register crendentials as shown:

```
The Edit Selection View Go Run Terminal Help usersja-nodejasuth-Visual Studio Code

POPLOGER

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VO
```

After this I have given all the validations that are required for the registering a user.

I have designed in such a way if a user makes mistake while entering the form then user will again get the registration form.

```
| File | Edit | Selection | View | Go | Run | Terminal | Help | Usersja | O login.qs | O login.qs | O dashboard.qs | J5 index.js | N5 usersja | N | O vertical port. | N | O vertical post. | N | O vertical p
```

Now we will check for all the changes we have done initially,

In the previous case th form is submitted although we have password < 6 characters.

Now the for is not submitted because it doesn't match our criteria.

