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Form Design:QueenProject

[Angular 17+Express.js+ Node.js+MySQL]

Company Name:

Link: [Queens Agro Technology and Innovation Center](#)

Project Assignment :

Build a form using Angular 17 for the front end and Node.js for the backend API to save user data. You're welcome to choose the database that best suits the project requirements.

Deadline: 25th Mar 2024 5:00 PM IST

User Info

Save

First Name

Last Name

Preferred Name

Pronouns

Email Address (Work)

Phone Number

Fax Number

Department

Work Address

Address Line 1

Address Line 2

City

Province

Country

Zip Code

My Manager

First Name

Last Name

Email Address

Social Profile

Linked In

Facebook

Other

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Requirements:

For Front End:

Angular-17

For Back End:

Node.js
Express.js
MySQL Database

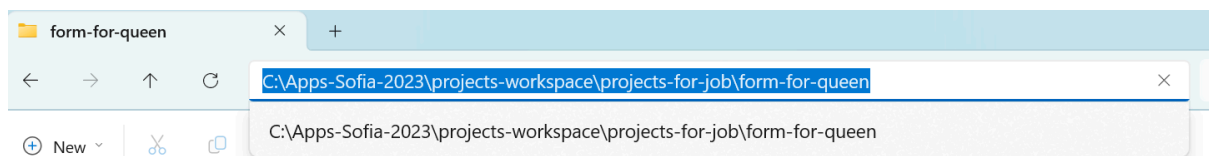
My GitHub Link: For Form Project

Clone Using The Web URL : <https://github.com/nayaksofia/form-design-sofi.git>

Backend-Part: [Express.js + Node.js + MySQL]

Step-1: Select the path, where you work on project and type **cmd**. It opens the following:

1. Selected the path and typed cmd.



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2. Then it opened this cmd window.

```
C:\Windows\System32\cmd x + v
Microsoft Windows [Version 10.0.22631.3296]
(c) Microsoft Corporation. All rights reserved.

C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen> ✓
```

Step-2: Create Angular Project By Using Command `ng new`
`<project-name>`

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen>ng new queen-project ✓
? Would you like to add Angular routing? Yes ✓
? Which stylesheet format would you like to use? CSS ✓
CREATE queen-project/angular.json (2735 bytes)
CREATE queen-project/package.json (1044 bytes)
```

```
CREATE queen-project/src/app/app.module.ts (393 bytes)
CREATE queen-project/src/app/app.component.html (23115 bytes)
CREATE queen-project/src/app/app.component.spec.ts (1012 bytes)
CREATE queen-project/src/app/app.component.ts (217 bytes)
CREATE queen-project/src/app/app.component.css (0 bytes)
CREATE queen-project/src/assets/.gitkeep (0 bytes)
/ Packages installed successfully.
warning: in the working copy of '.editorconfig', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.vscode/extensions.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.vscode/launch.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of '.vscode/tasks.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'angular.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package-lock.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'package.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app-routing.module.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.component.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.component.spec.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.component.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/app/app.module.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/index.html', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/main.ts', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'src/styles.css', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.app.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.json', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'tsconfig.spec.json', LF will be replaced by CRLF the next time Git touches it
Successfully initialized git.
```

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Step-3: Install Express.js

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen>npm init -y
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.
Wrote to C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\package.json:

{
  "name": "form-for-queen",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}
```

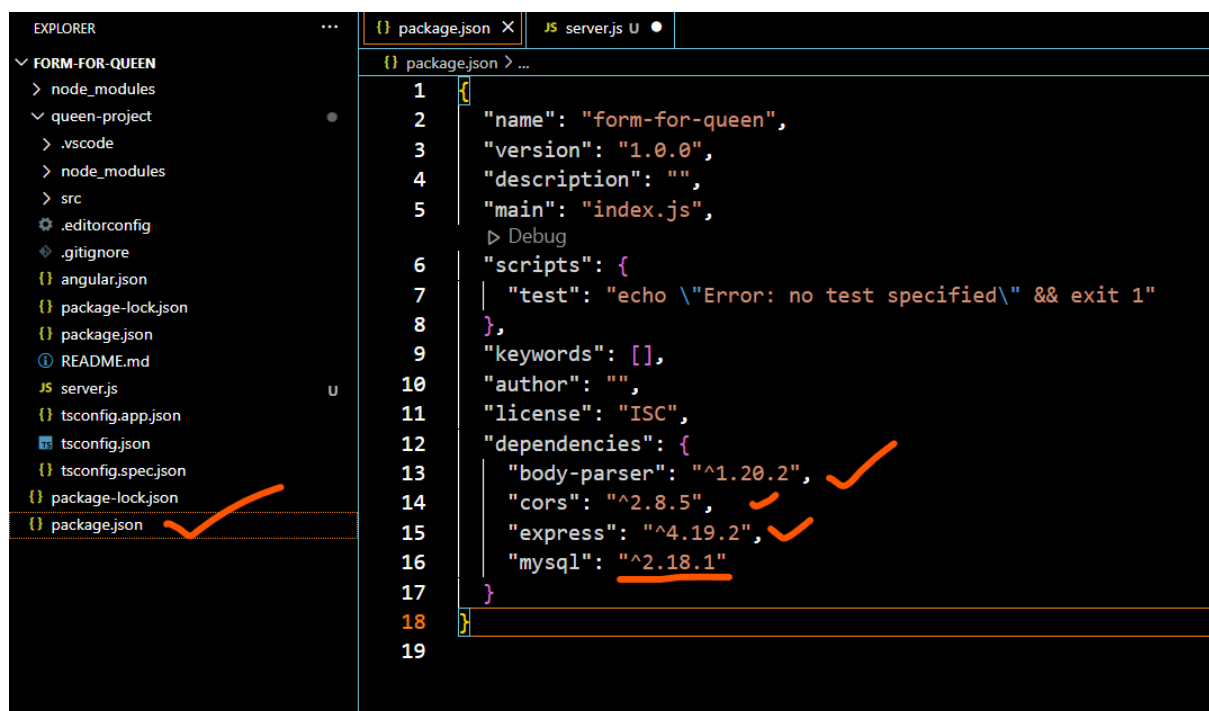
Step-4: Install dependencies like <express,mysql,body-parser,cors > to connect with MySQL

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen>npm install express mysql body-parser cors
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

added 78 packages, and audited 79 packages in 4s

12 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities
```



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Step-5: Install **MySQL2** <Switching from using mysql library to mysql2> `npm install mysql2`

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen>npm install mysql2
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

added 11 packages, and audited 90 packages in 4s

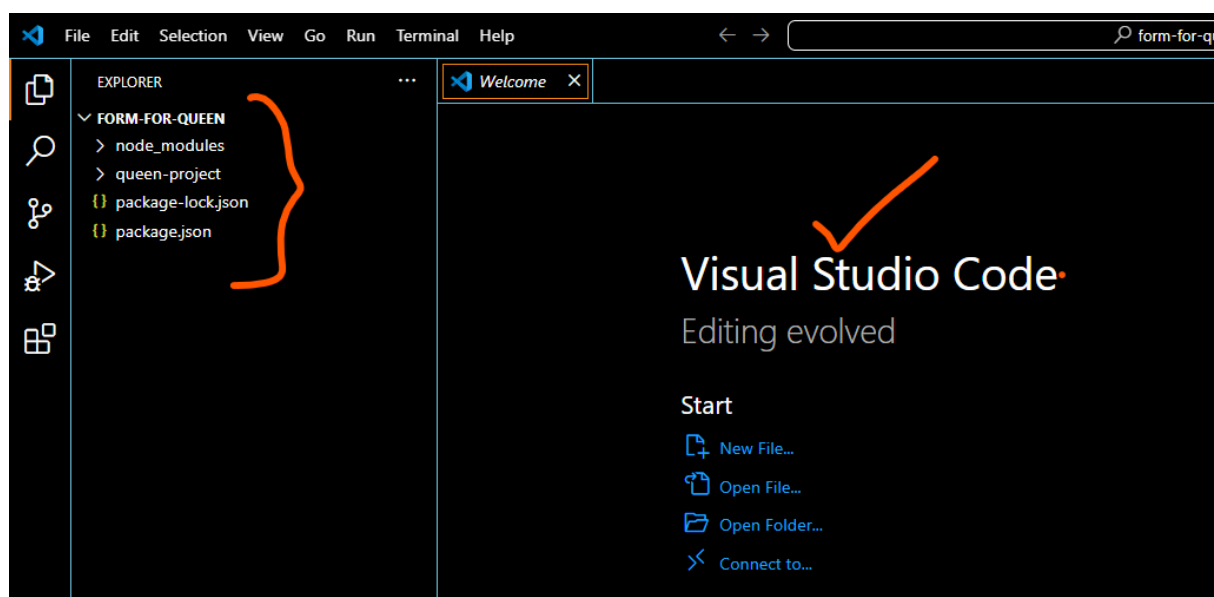
12 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities
```

Now: the **mysql2** version has been added, which will work properly.

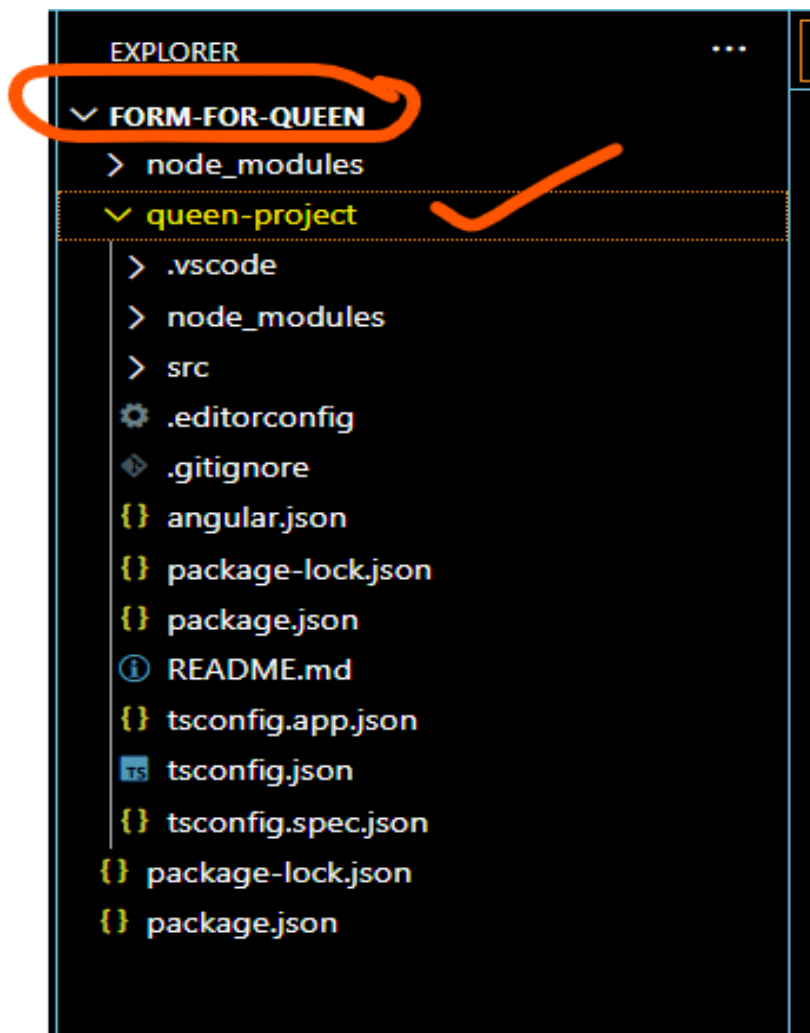
tsconfig.json	12	"dependencies": {
tsconfig.spec.json	13	"body-parser": "^1.20.2",
package-lock.json	14	"cors": "^2.8.5",
package.json ✓	15	"express": "^4.19.2",
	16	"mysql": "^2.18.1",
	17	"mysql2": "^3.9.3" ✓
	18	}
	19	}

Step-6: Open VS Code



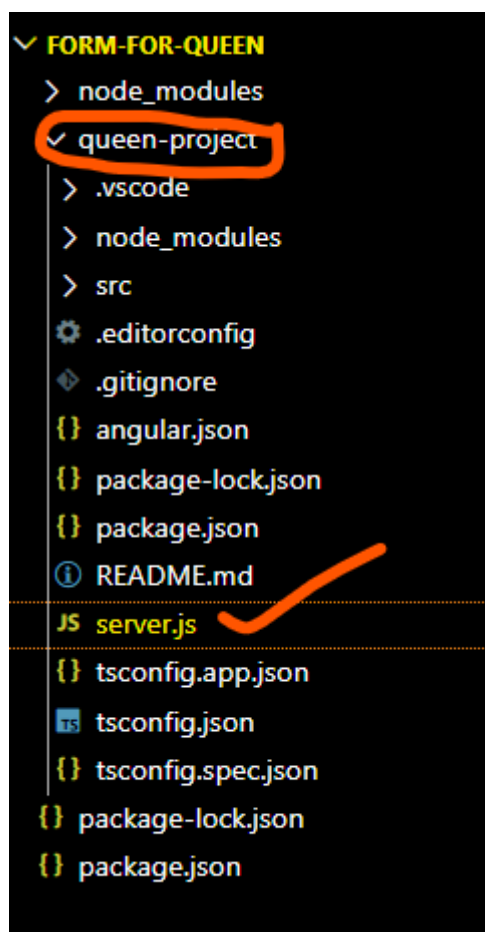
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Step-7: Create file **server.js** inside the project folder
<queen-project>



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Inside `<project:: queen-project>` `server.js` file is created i.e the following pic:



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Step-8: Define Configuration inside the server.js file

```
//let's define : dependencies
const express = require('express')
const bodyParser = require('body-parser') //to
understand json data body-parser is required
const cors = require('cors')
const mysql = require('mysql2')

//let's define : express operations
const app=express(); //express is initiated

//let's define : port
const port=3000;

//defining the cors- cross origin by receiving the data
in json format
app.use(cors()); //open to cross origin
app.use(bodyParser.json())

//Establish the connection with dB
const db=mysql.createConnection(
  {
    host:'localhost',
    user:'root',
    password:'root',
    database:'queen_db'
  }
);

//Verifying whether DB is connected or not
```


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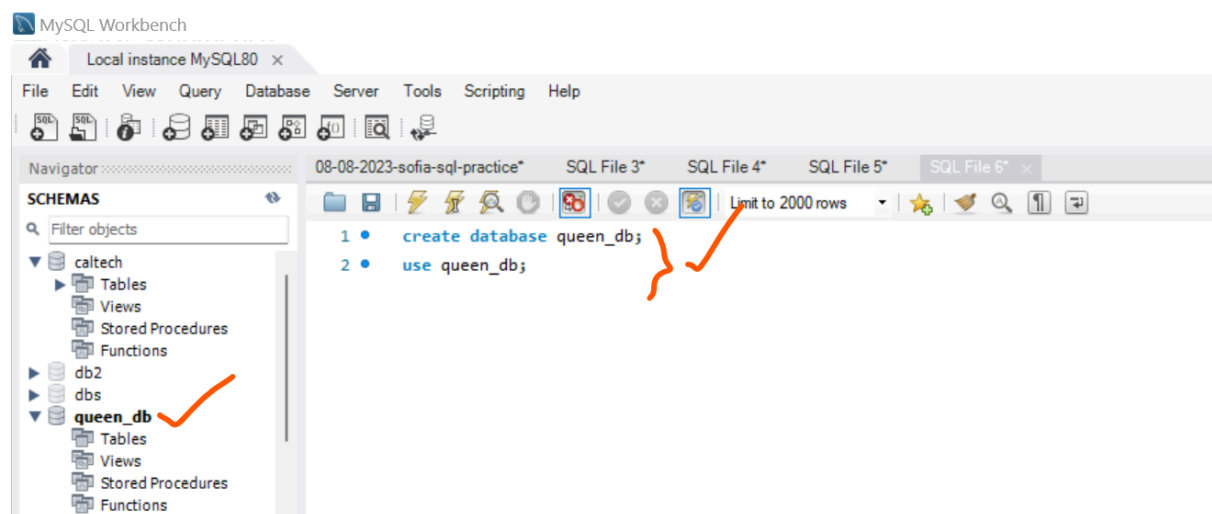
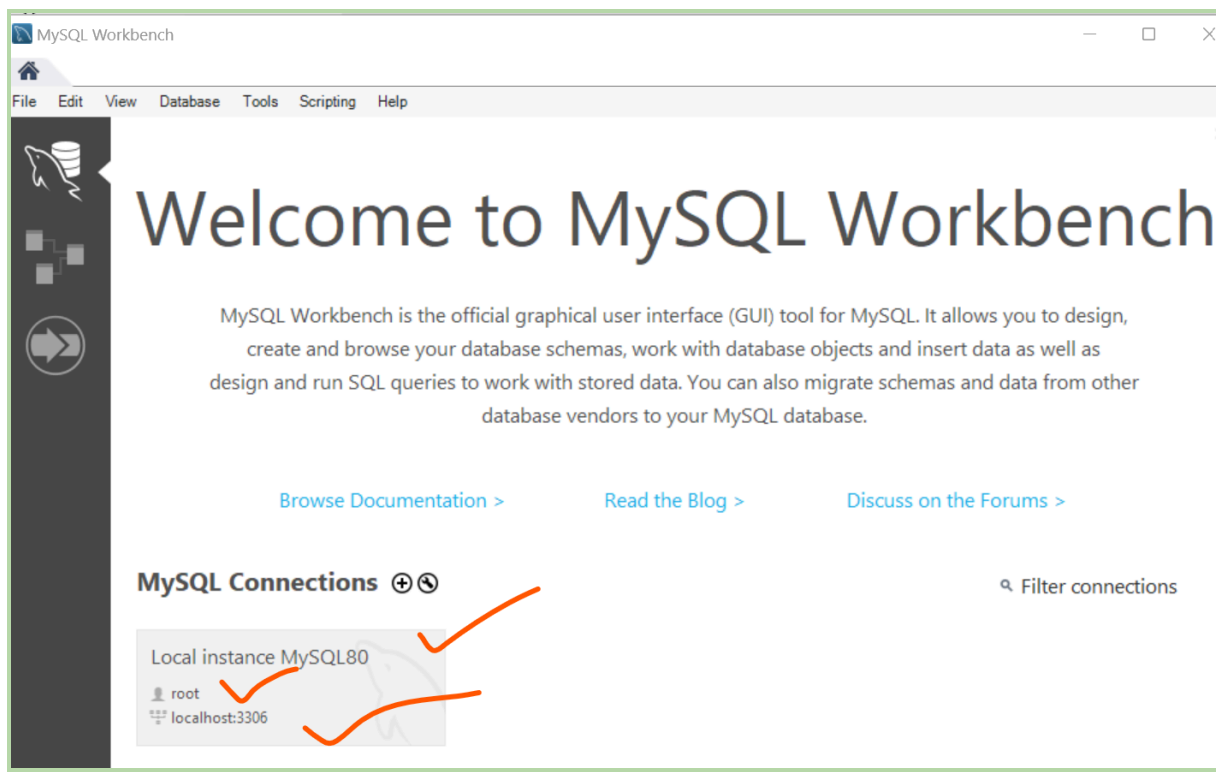
```
db.connect(err=> {
  if(err){
    console.log('Connection is not established with
the db',err);
  }else{
    console.log('Connection established with db
succesfully');
  }
});

//Show :: On what port number having this application
app.listen(port, ()=> {console.log('Server port
established on 3000')})
```

Step-9: Open MySQL Workbench and Create Database

My database name: **queen_db**

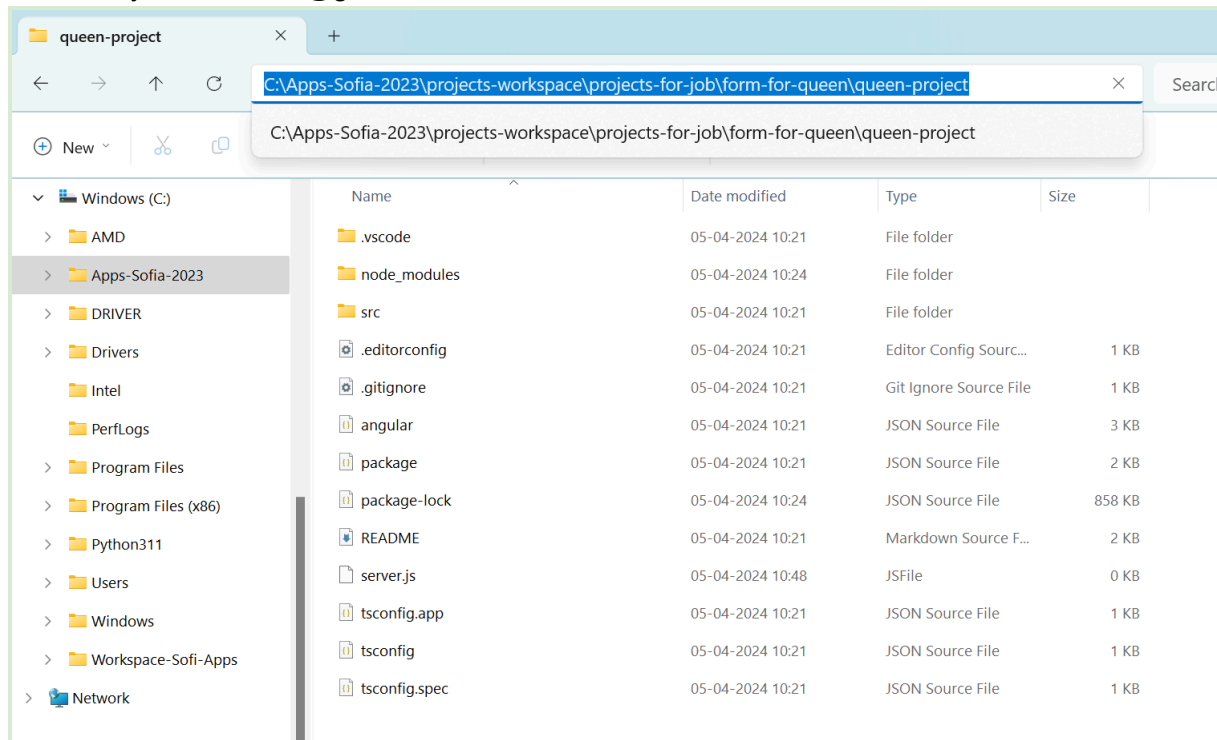
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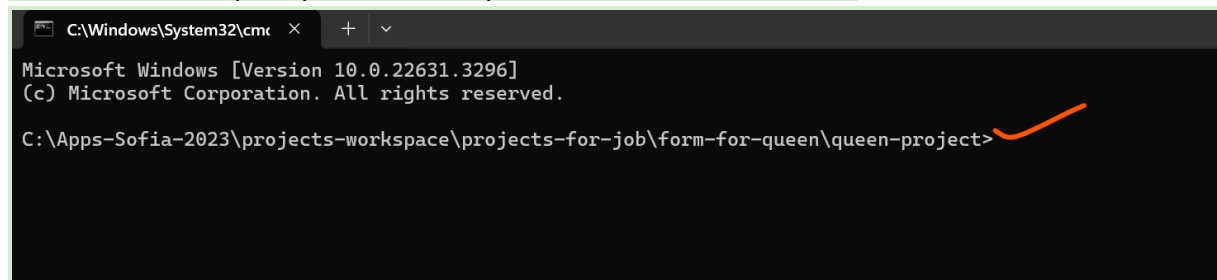
Step-10: Established Connect to `server.js`

1. Go to the path of the project and select the path up to the `server.js` file
2. Then type `cmd` and presser Enter → It will open another command prompt window
3. Where we connect the database by using the command → `node server.js`

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A new command prompt window is opened for server connection.



Type: `node server.js`



Step-11: Create Table Inside Database <queen_db>

create database queen_db;
use queen_db;

#Table-1 : User Information

CREATE TABLE UserInformation (

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```
Id INT AUTO_INCREMENT PRIMARY KEY,  
FirstName VARCHAR(255),  
LastName VARCHAR(255),  
PreferredName VARCHAR(255),  
Pronouns VARCHAR(50),  
EmailAddressWork VARCHAR(255),  
PhoneNumber VARCHAR(20),  
FaxNumber VARCHAR(20),  
Department VARCHAR(100)  
);
```

#Table-2 : User Work Address

```
CREATE TABLE UserWorkAddress (  
  UserId INT,  
  AddressLine1 VARCHAR(255),  
  AddressLine2 VARCHAR(255),  
  City VARCHAR(100),  
  Province VARCHAR(100),  
  Country VARCHAR(100),  
  ZipCode VARCHAR(20),  
  FOREIGN KEY (UserId) REFERENCES UserInformation(Id)  
);
```

#Table-3 : User Social Media

```
CREATE TABLE UserSocialMedia (  
  UserId INT,  
  LinkedIn VARCHAR(255),  
  Facebook VARCHAR(255),  
  Other VARCHAR(255),  
  FOREIGN KEY (UserId) REFERENCES UserInformation(Id)  
);
```

#Table-4 : My Manager Information

```
CREATE TABLE ManagerInformation (  
  ManagerId INT,  
  FirstName VARCHAR(255),  
  LastName VARCHAR(255),  
  EmailAddress VARCHAR(255),  
  FOREIGN KEY (ManagerId) REFERENCES UserInformation(Id)  
);
```

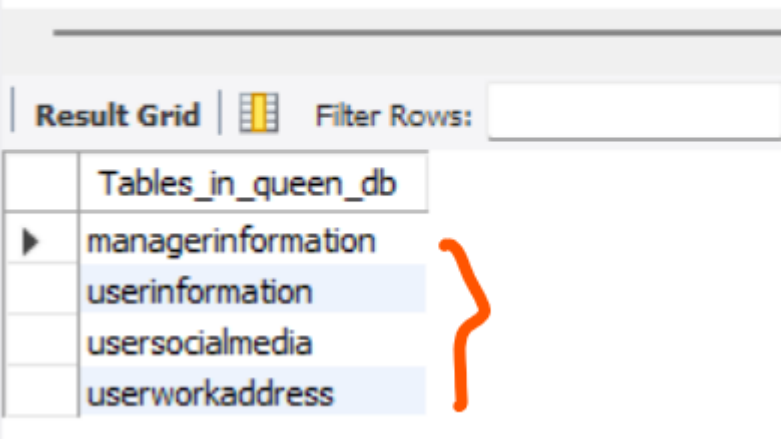
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Here's the scenario:

The `UserWorkAddress` table uses the `UserId` foreign key to reference the `Id` column of the `UserInfo` table for storing work-related address information.

The `UserSocialMedia` table also uses the `UserId` foreign key to reference the `Id` column of the `UserInfo` table for storing social media information.

And so on.

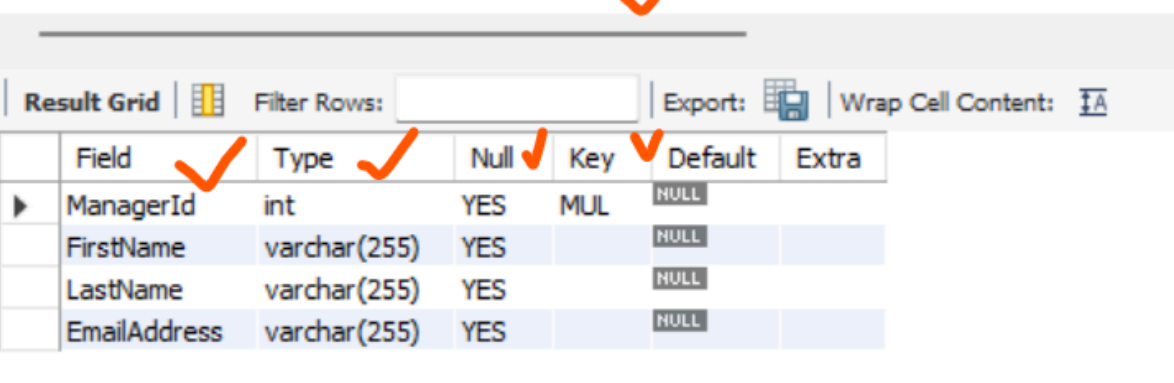
```
46 -- );
47 • show tables;
48
```



Result Grid | Filter Rows:

	Tables_in_queen_db
▶	managerinformation
	userinfo
	usersocialmedia
	userworkaddress

```
46 -- );
47 • show tables;
48 • desc managerinformation;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	ManagerId	int	YES	MUL	NULL	
	FirstName	varchar(255)	YES		NULL	
	LastName	varchar(255)	YES		NULL	
	EmailAddress	varchar(255)	YES		NULL	

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```
49 • desc userinformation; ✓  
50 • desc usersocialmedia;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Field	Type	Null	Key	Default	Extra
▶	Id	int	NO	PRI	NULL	auto_increment
	FirstName	varchar(255)	YES		NULL	
	LastName	varchar(255)	YES		NULL	
	PreferredName	varchar(255)	YES		NULL	
	Pronouns	varchar(50)	YES		NULL	
	EmailAddressWork	varchar(255)	YES		NULL	
	PhoneNumber	varchar(20)	YES		NULL	
	FaxNumber	varchar(20)	YES		NULL	
	Department	varchar(100)	YES		NULL	

```
49 • desc userinformation;
```

```
50 • desc usersocialmedia; ✓
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Field	Type	Null	Key	Default	Extra
▶	UserId	int	YES	MUL	NULL	
	LinkedIn	varchar(255)	YES		NULL	
	Facebook	varchar(255)	YES		NULL	
	Other	varchar(255)	YES		NULL	

```
51 • desc userworkaddress; ✓
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	Field	Type	Null	Key	Default	Extra
▶	UserId	int	YES	MUL	NULL	
	AddressLine1	varchar(255)	YES		NULL	
	AddressLine2	varchar(255)	YES		NULL	
	City	varchar(100)	YES		NULL	
	Province	varchar(100)	YES		NULL	
	Country	varchar(100)	YES		NULL	
	ZipCode	varchar(20)	YES		NULL	

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Step-12: Define API inside the **server.js** file.

```
//Define API

//-----Insert
Data-----
---
//To insert userinformation into database queen_db
//endpoints

app.post('/addUser', (req, res) =>{

    //Pass the data in the form of json

    const {Id, FirstName, LastName, PreferredName, Pronouns, EmailAddressWork, PhoneNumber, FaxNumber, Department} =
    req.body;

    //Write SQL Query
    const sql = 'insert into userinformation
values (null, ?, ?, ?, ?, ?, ?, ?, ?) ';

    //Connect the database and access the query method

    db.query(sql, [Id, FirstName, LastName, PreferredName, Pronouns, EmailAddressWork, PhoneNumber, FaxNumber, Department],
    (err, result) =>{
        if(err){
            console.error('Error in Adding The User
Information', err);
        }
    })
}
```

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```
        res.status(500).json({error:'An error
occured'}});
    }else{
        res.status(200).json({message:'User
Infomation Added Successfully'}});
    }
});

    // Close the connection
    // db.end();
});

//-----View All
List Of Data That
Inserted-----

    //To view list of users ---- To get all the users
lists

    app.get('/getUsers', (req, res)=>{

        //Because it is a get operation, there is no data
supply here.
        //Write SQL Query
        const sql = 'select * from userinformation';

        //Connect database and call the query method
        db.query(sql, (err, result)=>{
            if(err){
                console.error('Error in fetching the user
informations', err);
                res.status(500).jshon({error:'An error
occured'}});
            }else{
```


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```
        res.status(200).json(result); //No message here
    }

    });

});

//-----View The
List Of Data By
ID-----

//To get User By Id
app.get('/getUsers/:id', (req, res) => {
    const id = req.params.id;
    //Define Query . [No data supply here]
    const sql = 'select * from userinformation where
id= ?';

    //Connect database and call the query method
    db.query(sql, [id], (err, result) => {
        if (err) {
            console.error('Error in fetching the user
informations by Id', err);
            res.status(500).json({error: 'An error
occured'});
        } else {
            res.status(200).json(result); //No message
here
        }

    });

});
```

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Remaining:

- API For Update Data
- API For Delete Data
- API For Other Tables ; except User Information

Frontend-Part: Angular

F_Step-1: Create components

1. Go to the project folder in the command prompt window >> `cd queen-project`

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen>cd queen-project ✓  
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project> ✓
```

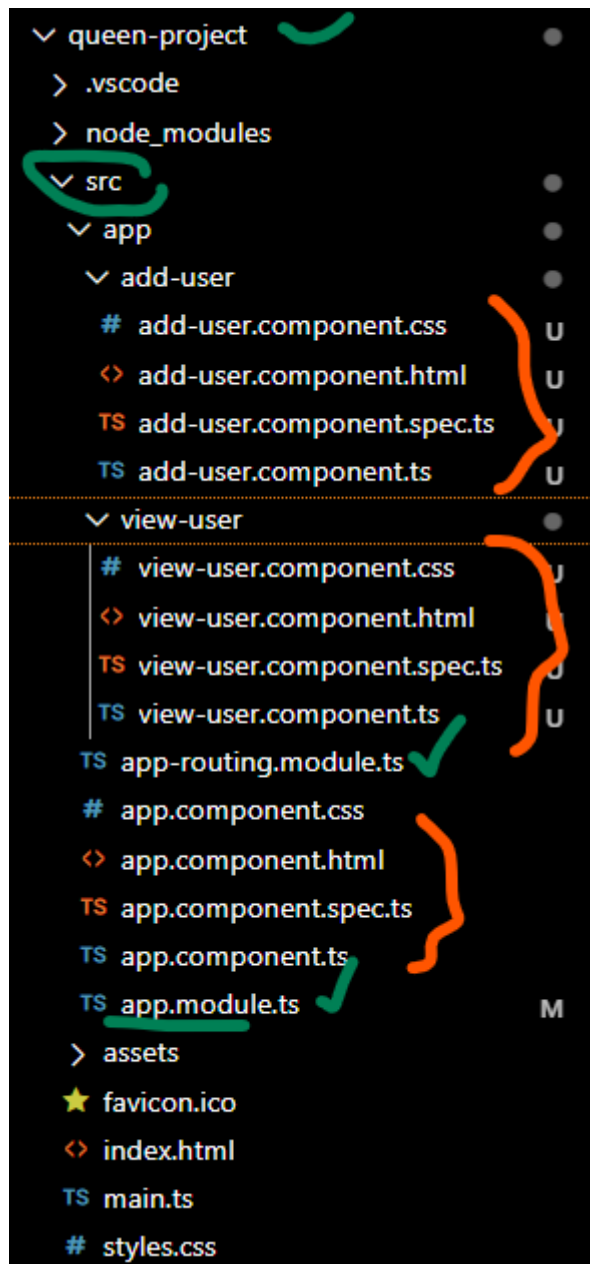
2. Then, create components >>

- ng g c add-user
- ng g c view-user

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>ng g c add-user  
? Would you like to share pseudonymous usage data about this project with the Angular Team  
at Google under Google's Privacy Policy at https://policies.google.com/privacy. For more  
details and how to change this setting, see https://angular.io/analytics. Yes  
  
Thank you for sharing pseudonymous usage data. Should you change your mind, the following  
command will disable this feature entirely:  
  
    ng analytics disable  
  
Global setting: enabled  
Local setting: enabled  
Effective status: enabled  
CREATE src/app/add-user/add-user.component.html (23 bytes)  
CREATE src/app/add-user/add-user.component.spec.ts (567 bytes)  
CREATE src/app/add-user/add-user.component.ts (209 bytes)  
CREATE src/app/add-user/add-user.component.css (0 bytes)  
UPDATE src/app/app.module.ts (481 bytes)  
  
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>ng g c view-user  
CREATE src/app/view-user/view-user.component.html (24 bytes)  
CREATE src/app/view-user/view-user.component.spec.ts (574 bytes)  
CREATE src/app/view-user/view-user.component.ts (213 bytes)  
CREATE src/app/view-user/view-user.component.css (0 bytes)  
UPDATE src/app/app.module.ts (573 bytes)
```

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3. File Structure after creating components



F_Step-2: Run the server on angular → ng serve -o

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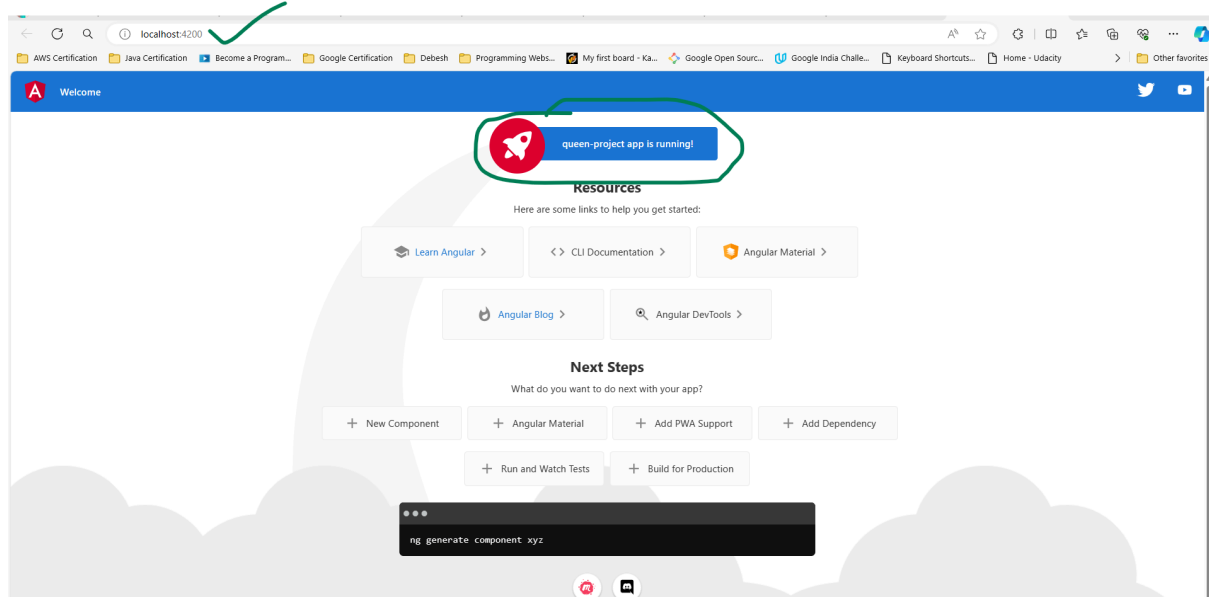
Email: nayaksofia1989@gmail.com

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>ng serve -o
/ Browser application bundle generation complete.

Initial Chunk Files | Names          | Raw Size
vendor.js           | vendor        | 2.35 MB
polyfills.js        | polyfills     | 332.07 kB
styles.css, styles.js | styles       | 229.35 kB
main.js             | main          | 52.05 kB
runtime.js          | runtime       | 6.52 kB

| Initial Total | 2.95 MB

Build at: 2024-04-05T09:10:50.186Z - Hash: a4c9efcaf047a202 - Time: 34240ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
```



F_Step-3: **app.module.ts** → start to work

1st: Configure routers

```
//Configure Routes
const routes:Routes=[
  {path:'',redirectTo:'/addUs',pathMatch:'full'},
  {path:'view',component:ViewUserComponent},
  {path:'addUs',component:AddUserComponent}
]
```

2nd: Configure the http modules, form module, etc.

```
import RouterModule Routes from '@angular/router'
//Add
import { FormsModule } from '@angular/forms'; //Add
```

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```
import { HttpClient, HttpClientModule } from  
'@angular/common/http'; //Add
```

3rd : Imports

```
HttpClientModule //Add  
FormsModule, //Add  
RouterModule.forRoot(routes) //Add
```

4th: Write code

```
import NgModule from '@angular/core'  
import { BrowserModule } from  
'@angular/platform-browser';  
  
import { AppRoutingModule } from  
'./app-routing.module';  
import { AppComponent } from './app.component';  
import { AddUserComponent } from  
'./add-user/add-user.component';  
import { ViewUserComponent } from  
'./view-user/view-user.component';  
import { RouterModule, Routes } from '@angular/router';  
//Add  
import { FormsModule } from '@angular/forms'; //Add  
import { HttpClient, HttpClientModule } from  
'@angular/common/http'; //Add  
  
//Configure Routes  
const routes:Routes=[  
  {path:'',redirectTo:'/addUs',pathMatch:'full'},  
  {path:'view',component:ViewUserComponent},  
  {path:'addUs',component:AddUserComponent}  
]
```

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```
@NgModule({
  declarations: [
    AppComponent,
    AddUserComponent,
    ViewUserComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,
    HttpClientModule, //Add
    FormsModule, //Add
    RouterModule.forRoot(routes) //Add
  ],
  providers: [],
  bootstrap: [AppComponent]
})
export class AppModule { }
```

F_Step-4: add-user

add-user.component.ts file:

```
import { HttpClient } from '@angular/common/http'
import { Component, OnInit } from '@angular/core';
import { response } from 'express';

@Component({
  selector: 'app-add-user',
  templateUrl: './add-user.component.html',
  styleUrls: ['./add-user.component.css']
})
export class AddUserComponent implements OnInit {
```

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```
    FirstName:string ='';
    LastName: string ='';
    PreferredName : string='';
    Pronouns: string='';
    EmailAddressWork:string='';
    PhoneNumber:number= 0 ;
    FaxNumber:number =0;
    Department: string='';
    message:string='';

    //Create Object To HTTPClient
    constructor(private http:HttpClient){}

ngOnInit(): void {

}

addUser(){
    //Create a json object
    const user={
        FirstName: this.FirstName,
        LastName: this.LastName,
        PreferredName: this.PreferredName,
        Pronouns: this.Pronouns,
        EmailAddressWork:this.EmailAddressWork,
        PhoneNumber: this.PhoneNumber,
        FaxNumber: this.FaxNumber,
        Department:this.Department

    };

    //Send to localhost 3000
    this.http.post('http://localhost:3000/addUser',user)
```

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```
.subscribe((response:any)=>{this.message =  
response.message},  
  (error)=> {console.error('Error adding the user  
information',error);}  
);  
}
```

add-user.component.html file:

```
<div class="container mt-3">  
  <h4>{{ message }}</h4>  
  
  <h1>User Info</h1>  
  
  <div class="row">  
    <div class="col-md-6">  
      <div class="form-group">  
        <label for="fname">First Name:</label>  
        <input id="fname" type="text"  
class="form-control" [(ngModel)]="FirstName" />  
      </div>  
  
      <div class="form-group">  
        <label for="lname">Last Name:</label>  
        <input id="lname" type="text"  
class="form-control" [(ngModel)]="LastName" />  
      </div>  
  
      <div class="form-group">  
        <label for="prefname">Preferred  
Name:</label>  
        <input id="prefname" type="text"  
class="form-control" [(ngModel)]="PreferredName" />  
      </div>
```


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```
        <div class="form-group">
            <label for="pronoun">Pronoun:</label>
            <select id="pronoun"
class="form-control" [(ngModel)]="Pronouns">
                <option value="he">He</option>
                <option value="she">She</option>
                <option value="she">Other</option>
            </select>
        </div>
    </div>

    <div class="col-md-6">
        <div class="form-group">
            <label for="email-work">Email Address
(Work) :</label>
            <input id="email-work" type="text"
class="form-control" [(ngModel)]="EmailAddressWork" />
        </div>

        <div class="form-group">
            <label for="phonenumber">Phone
Number:</label>
            <input id="phonenumber" type="number"
class="form-control" [(ngModel)]="PhoneNumber" />
        </div>

        <div class="form-group">
            <label for="faxnum">Fax Number:</label>
            <input id="faxnum" type="number"
class="form-control" [(ngModel)]="FaxNumber" />
        </div>

        <div class="form-group">
```

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```
        <label for="dept">Department:</label>
        <select id="dept" class="form-control"
[ (ngModel) ]="Department">
            <option value="cs">Computer
Science</option>
            <option value="es">Electronics
Science</option>
            <option value="ele">Electrical
Science</option>
            <option value="esd">Embedded System
Design</option>
            <option value="esd">Others</option>
        </select>
    </div>
</div>

<div class="text-center">
    <button class="btn btn-primary"
(click)="addUser()">Save</button>
</div>

</div>
```

F_Step-5: app.component.html

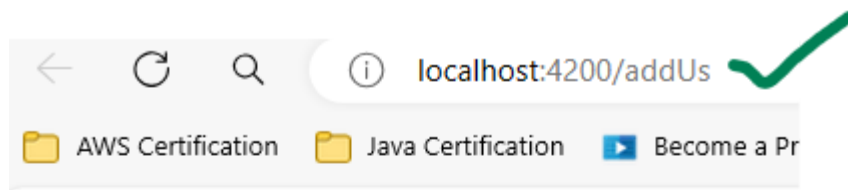
```
<router-outlet></router-outlet>
```

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F_Step-6: Output of add-use.component file



Add User Information

First Name:

Last Name:

Preferred Name

Pronoun

Email Address(Work)

Phone Number

Fax Number

Departement

F_Step-7: app.component.html to Add Bootstrap Design on the Form

```
<html lang="en">
<head>
  <meta charset="utf-8">
  <title>Angcrudsofi</title>
  <base href="/">
  <meta name="viewport" content="width=device-width,
initial-scale=1">
  <link rel="icon" type="image/x-icon"
href="favicon.ico">
  <!-- Bootstrap CSS -->
  <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.
2/css/bootstrap.min.css" rel="stylesheet">
```

```
</head>
<body>
  <div class="container mt-3">
    <button class="btn btn-primary mr-2"
routerLink="/addUs">Form Page</button>
    <button class="btn btn-primary mr-2"
routerLink="/view">View </button>
  </div>
<!-- <app-add-user></app-add-user> -->
<router-outlet></router-outlet>
```

localhost:4200/addUser

AWS Certification

Java Certification

Become a Program...

Google Certification

Debash

Programming Webs...

My first board - Ka...

Google Open Sour...

Google India Challe...

Keyboard Shortcuts...

Home - Udacity

Form Page

View

Add User Information

First Name:

Last Name:

Preferred Name:

Pronoun:

Email Address (Work):

Phone Number:

0

Fax Number:

0

Department:

Save

[illegible]

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F_Step-9: view-user

view-user.component.ts file

To Fetch User Data:

```
import HttpClient from '@angular/common/http'
import { Component, OnInit } from '@angular/core';

@Component({
  selector: 'app-view-user',
  templateUrl: './view-user.component.html',
  styleUrls: ['./view-user.component.css']
})
export class ViewUserComponent implements OnInit {

  users:any[] = [];

  message:string='';

  constructor(private http:HttpClient){}

  ngOnInit(): void {
    this.fetchUsers();
  }

  fetchUsers(){
    this.http.get('http://localhost:3000/getUsers')
      .subscribe((response:any)=>
        {this.users=response},
        (error)=>{console.error('Error Fetching the User
Informations',error);}
      );
  }
}
```

NextToDo: Delete Operation

View-user.component.html file

```
<div class="container mt-3">
  <h3>{{message}}</h3>

  <h1>View Users </h1>

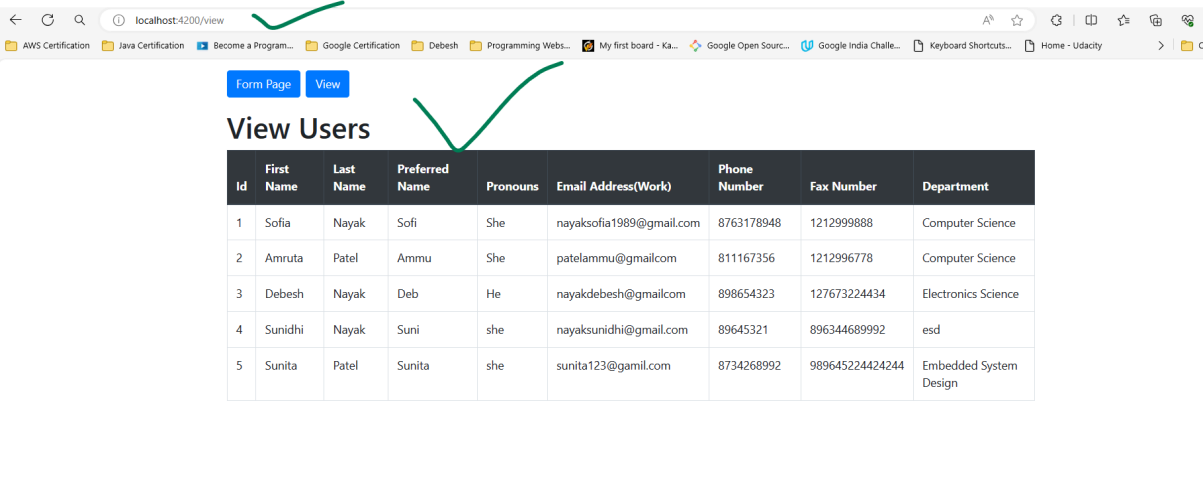
  <table class="table table-bordered">
    <thead class="thead-dark">
      <tr>
        <th>Id</th>
        <th>First Name</th>
        <th>Last Name</th>
        <th>Preferred Name</th>
        <th>Pronouns</th>
        <th>Email Address (Work)</th>
        <th>Phone Number</th>
        <th>Fax Number</th>
        <th>Department</th>
      </tr>
    </thead>
    <tbody>
      <tr *ngFor="let user of users">
        <td>{{user.Id}}</td>
        <td>{{user.FirstName}}</td>
        <td>{{user.LastName}}</td>
        <td>{{user.PreferredName}}</td>
        <td>{{user.Pronouns}}</td>
        <td>{{user.EmailAddressWork}}</td>
        <td>{{user.PhoneNumber}}</td>
```

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```
<td>{{user.FaxNumber}}</td>
<td>{{user.Department}}</td>

</tr>
</tbody>
</table>
</div>
```

Result:



Form Page View

View Users

Id	First Name	Last Name	Preferred Name	Pronouns	Email Address(Work)	Phone Number	Fax Number	Department
1	Sofia	Nayak	Sofi	She	nayaksofia1989@gmail.com	8763178948	1212999888	Computer Science
2	Amruta	Patel	Ammu	She	patelammu@gmail.com	811167356	1212996778	Computer Science
3	Debesh	Nayak	Deb	He	nayakdebesh@gmail.com	898654323	127673224434	Electronics Science
4	Sunidhi	Nayak	Suni	she	nayaksunidhi@gmail.com	89645321	896344689992	esd
5	Sunita	Patel	Sunita	she	sunita123@gamil.com	8734268992	989645224424244	Embedded System Design

F_Step-10:

Step-[Optional] : Git and GitHub

Git Operation: Open another command prompt window for git operation

- Select the path up to the project and type cmd.
- It will open the command prompt window.
- Where you do perform the git operation.

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```
C:\Windows\System32\cmd
Microsoft Windows [Version 10.0.22631.3296]
(c) Microsoft Corporation. All rights reserved.

C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
       server.js


nothing added to commit but untracked files present (use "git add" to track)
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>git add .
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>git commit -m "define api for insert
userinfomation"
[master 303871d] define api for insert userinfomation
1 file changed, 63 insertions(+)
create mode 100644 server.js
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>git status
On branch master
nothing to commit, working tree clean
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>
```

Pic: first operation

To Upload In GitHub

- Create Repository

Quick setup — if you've done this kind of thing before

 Set up in Desktop

 or

HTTPS

SSH

<https://github.com/nayaksofia/form-design-sofi.git>

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include

...or create a new repository on the command line

```
echo "# form-design-sofi" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M master
git remote add origin https://github.com/nayaksofia/form-design-sofi.git
git push -u origin master
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/nayaksofia/form-design-sofi.git
git branch -M master
git push -u origin master
```

```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>git remote add origin https://github.com/nayaksofia/form-design-sofi.git
```


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```
C:\Apps-Sofia-2023\projects-workspace\projects-for-job\form-for-queen\queen-project>git push -u origin master
Enumerating objects: 76, done.
Counting objects: 100% (76/76), done.
Delta compression using up to 4 threads
Compressing objects: 100% (72/72), done.
Writing objects: 100% (76/76), 236.77 KiB | 5.26 MiB/s, done.
Total 76 (delta 32), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (32/32), done.
To https://github.com/nayaksofia/form-design-sofi.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```