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| **Medicare ( Capstone Project)** |

**Version History:**

|  |  |
| --- | --- |
| Author | Hajaeba Kemal |
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# **Project Link**

|  |  |
| --- | --- |
| Repository Name | **Medicare** |
| GitHub Link | https://github.com/hajaeba/Medicare.git |

# Source\_Code:

# FrontEnd

## Register.Component.html

<h1>{{message}}</h1>

    <body>

      <h3>Welcome To Medicare Registration Page</h3><br>

<form>

    <table>

        <tr>

<td>Medicine Name</td><td><input type="text" name="name" [(ngModel)]="user.name"><br></td>

</tr>

<tr>

<td>Description</td><td><input type="text" name="description"  [(ngModel)]="user.description"><br></td>

</tr>

<tr>

<td>Item Price</td><td><input type="text" name="price" [(ngModel)]="user.price"><br></td>

</tr>

<tr>

<td>Item Quantity</td><td><input type="text" name="quantity" [(ngModel)]="user.quantity"><br></td>

</tr>

<tr>

<td>Expiry Date</td><td><input type="text" name="exdate" [(ngModel)]="user.exdate"><br></td>

</tr>

<tr>

<td></td><td><input type="submit" value="Register" (click)="registerNow()" class="btn btn-primary"></td>

</tr>

</table>

</form>

</body>

## Registration.Component.ts

import { Component, OnInit } from '@angular/core';

import { User } from '../User';

import { UserRegistrationServiceService } from '../user-registration-service.service';

@Component({

  selector: 'app-registration',

  templateUrl: './registration.component.html',

  styleUrls: ['./registration.component.css']

})

export class RegistrationComponent implements OnInit {

  user:User=new User();

  message:any

  constructor(private service:UserRegistrationServiceService) { }

  ngOnInit(): void {

  }

  public registerNow(){

    let respo=this.service.doregistration(this.user);

    respo.subscribe((data:any)=>this.message=data);

  }

}

## Searchdelete.component.html

<head>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js" integrity="sha384-oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlmh/jp3" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.min.js" integrity="sha384-IDwe1+LCz02ROU9k972gdyvl+AESN10+x7tBKgc9I5HFtuNz0wWnPclzo6p9vxnk" crossorigin="anonymous"></script>

</head>

Enter the name for Medicine <input type="text" name="name" [(ngModel)]="name"><button (click)="finditembyname()"class="btn btn-primary">search</button>

 <br>

 <br>

<table class="table">

    <thead class="thead-light">

<tr><th>Id</th><th>Medicine Name</th><th>Description</th><th>Quantity</th><th>Price</th><th>Expiry Date</th><th>Purchase</th><th>Action</th></tr>

</thead>

<tbody>

<tr \*ngFor="let item of items">

<td>{{item.id}}</td>

<td>{{item.name}}</td>

<td>{{item.description}}</td>

<td>{{item.quantity}}</td>

<td>{{item.price}}</td>

<td>{{item.exdate}}</td>

<td><button (click)="purchaseitem(item.id,item.quantity)"class="btn btn-success">Add To Cart</button></td>

<td><button (click)="deleteitem(item.id)"class="btn btn-danger">Delete</button></td>

</tr>

</tbody>

</table>

## Searchdelete.component.ts

import { Component, OnInit } from '@angular/core';

import { User } from '../User';

import { UserRegistrationServiceService } from '../user-registration-service.service';

@Component({

  selector: 'app-searchdelete',

  templateUrl: './searchdelete.component.html',

  styleUrls: ['./searchdelete.component.css']

})

export class SearchdeleteComponent implements OnInit {

items:any;

name:any;

  constructor(private service:UserRegistrationServiceService) { }

  ngOnInit(): void {

let respo=this.service.getitem();

respo.subscribe((data:any)=>this.items=data);

  }

 public finditembyname(){

    let respo=this.service.getitembyname(this.name);

    respo.subscribe((data:any)=>this.items=data);

  }

  public deleteitem(id:number){

    let respo=this.service.deleteitem(id);

    respo.subscribe((data:any)=>this.items=data);

  }

  public purchaseitem(id:number,quantity:number){

    let respo=this.service.purchaseitem(id,quantity);

    respo.subscribe((data:any)=>this.items=data);

  }

}

## Viewmedicine.component.html

<head>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js" integrity="sha384-oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlmh/jp3" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.min.js" integrity="sha384-IDwe1+LCz02ROU9k972gdyvl+AESN10+x7tBKgc9I5HFtuNz0wWnPclzo6p9vxnk" crossorigin="anonymous"></script>

</head>

<body>

<table class="table">

    <thead class="thead-light">

<tr><th>Id</th><th>Medicine Name</th><th>Description</th><th>Quantity</th><th>Price</th><th>Expiry Date</th><th>Purchase</th><th>Action</th></tr>

</thead>

<tbody>

<tr \*ngFor="let item of items">

<td>{{item.id}}</td>

<td>{{item.name}}</td>

<td>{{item.description}}</td>

<td>{{item.quantity}}</td>

<td>{{item.price}}</td>

<td>{{item.exdate}}</td>

<td><button (click)="purchaseitem(item.id,item.quantity)">Add To Cart</button></td>

<td><button (click)="deleteitem(item.id)">Delete</button></td>

</tr>

</tbody>

</table>

</body>

## Viewmedicine.component.ts

import { Component, OnInit } from '@angular/core';

import { User } from '../User';

import { UserRegistrationServiceService } from '../user-registration-service.service';

@Component({

  selector: 'app-viewmedicine',

  templateUrl: './viewmedicine.component.html',

  styleUrls: ['./viewmedicine.component.css']

})

export class SearchdeleteComponent implements OnInit {

items:any;

name:any;

  constructor(private service:UserRegistrationServiceService) { }

  ngOnInit(): void {

let respo=this.service.getitem();

respo.subscribe((data:any)=>this.items=data);

  }

 public finditembyname(){

    let respo=this.service.getitembyname(this.name);

    respo.subscribe((data:any)=>this.items=data);

  }

  public deleteitem(id:number){

    let respo=this.service.deleteitem(id);

    respo.subscribe((data:any)=>this.items=data);

  }

  public purchaseitem(id:number,quantity:number){

    let respo=this.service.purchaseitem(id,quantity);

    respo.subscribe((data:any)=>this.items=data);

  }

}

## App.component.html

<head>

    <style>

        body {

          background-image: url('medicinebg.jpg');

        }

        </style>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-Zenh87qX5JnK2Jl0vWa8Ck2rdkQ2Bzep5IDxbcnCeuOxjzrPF/et3URy9Bv1WTRi" crossorigin="anonymous">

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.bundle.min.js" integrity="sha384-OERcA2EqjJCMA+/3y+gxIOqMEjwtxJY7qPCqsdltbNJuaOe923+mo//f6V8Qbsw3" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.6/dist/umd/popper.min.js" integrity="sha384-oBqDVmMz9ATKxIep9tiCxS/Z9fNfEXiDAYTujMAeBAsjFuCZSmKbSSUnQlmh/jp3" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.2/dist/js/bootstrap.min.js" integrity="sha384-IDwe1+LCz02ROU9k972gdyvl+AESN10+x7tBKgc9I5HFtuNz0wWnPclzo6p9vxnk" crossorigin="anonymous"></script>

</head>

<body>

<ul class="nav nav-tabs">

    <li class="nav-item"><a class="nav-link" routerLink="/viewmedicine">Medicine</a></li>

    <li class="nav-item"><a class="nav-link" routerLink="/register">Register Medicen</a></li>

    <li class="nav-item"><a class="nav-link" routerLink="/search">Search</a></li>

</ul>

<br>

    <router-outlet></router-outlet>

    </body>

## App.module.ts

import { HttpClientModule } from '@angular/common/http';

import { NgModule } from '@angular/core';

import { FormsModule } from '@angular/forms';

import { BrowserModule } from '@angular/platform-browser';

import { RouterModule, Routes } from '@angular/router';

import { AppRoutingModule } from './app-routing.module';

import { AppComponent } from './app.component';

import { RegistrationComponent } from './registration/registration.component';

import { SearchdeleteComponent } from './searchdelete/searchdelete.component';

import { UserRegistrationServiceService } from './user-registration-service.service';

//import { ViewmedicineComponent } from './viewmedicine/viewmedicine.component';

const routes: Routes =

[

{path:"",redirectTo:"search",pathMatch:"full"},

//{path:"viewmedicine",component:ViewmedicineComponent},

{path:"register",component:RegistrationComponent},

{path:"search",component:SearchdeleteComponent}

];

@NgModule({

  declarations: [

    AppComponent,

    RegistrationComponent,

    SearchdeleteComponent,

   // ViewmedicineComponent

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    FormsModule,

    HttpClientModule,

    [RouterModule.forRoot(routes)]

  ],

  providers: [UserRegistrationServiceService],

  bootstrap: [AppComponent]

})

export class AppModule { }

## user-registration-service.service.ts

import { Injectable } from '@angular/core';

import { HttpClient } from '@angular/common/http'

@Injectable({

  providedIn: 'root'

})

export class UserRegistrationServiceService {

  constructor(private http:HttpClient) { }

  public doregistration(user:any){

  return  this.http.post("http://localhost:9090/register",user,{responseType:'text' as 'json'})

  }

  public getitem(){

    return this.http.get("http://localhost:9090/getAllitems");

  }

  public getitembyname(name:any){

    return this.http.get("http://localhost:9090/findbyname/"+name);

  }

  public deleteitem(id:any){

    return this.http.delete("http://localhost:9090/cancel/"+id);

  }

  public purchaseitem(id:any,quantity:any){

    const body ={quantity:quantity};

    return this.http.put("http://localhost:9090/update/"+id, body);

               //.subscribe(data => this.postId = data.id);

  }

}

## User.ts

export class User{

    name:string;

    //email:string;

    description:String;

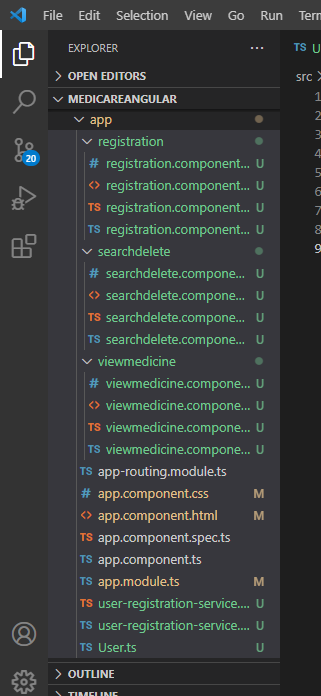
    price:number;

    quantity:number;

    exdate:String;

}

## Angular Project Structure



# BackEnd

## AngularSpringboot3Application.java

**package com.example.demo;**

**import org.springframework.boot.SpringApplication;**

**import org.springframework.boot.autoconfigure.SpringBootApplication;**

**@SpringBootApplication**

**public class AngularSpringboot3Application {**

**public static void main(String[] args) {**

**SpringApplication.run(AngularSpringboot3Application.class, args);**

**}**

**}**

## Item.java

**package com.example.demo;**

**import javax.persistence.Entity;**

**import javax.persistence.GeneratedValue;**

**import javax.persistence.GenerationType;**

**import javax.persistence.Id;**

**import lombok.AllArgsConstructor;**

**import lombok.Data;**

**import lombok.NoArgsConstructor;**

**@Data**

**@NoArgsConstructor**

**@AllArgsConstructor**

**@Entity**

**public class Item {**

**@Id**

**@GeneratedValue(strategy = GenerationType.AUTO)**

**private int id;**

**private String name;**

**//private String email;**

**private String description;**

**private int price;**

**private int quantity;**

**private String exdate;**

**public int getId() {**

**return id;**

**}**

**public void setId(int id) {**

**this.id = id;**

**}**

**public String getName() {**

**return name;**

**}**

**public void setName(String name) {**

**this.name = name;**

**}**

**public String getDescription() {**

**return description;**

**}**

**public void setDescription(String description) {**

**this.description = description;**

**}**

**public int getPrice() {**

**return price;**

**}**

**public void setPrice(int price) {**

**this.price = price;**

**}**

**public String getExdate() {**

**return exdate;**

**}**

**public void setExdate(String exdate) {**

**this.exdate = exdate;**

**}**

**public int getQuantity() {**

**return quantity;**

**}**

**public void setQuantity(int quantity) {**

**this.quantity = quantity;**

**}**

**}**

## ItemController.java

**package com.example.demo;**

**import java.util.List;**

**import org.springframework.beans.factory.annotation.Autowired;**

**import org.springframework.web.bind.annotation.CrossOrigin;**

**import org.springframework.web.bind.annotation.DeleteMapping;**

**import org.springframework.web.bind.annotation.GetMapping;**

**import org.springframework.web.bind.annotation.PathVariable;**

**import org.springframework.web.bind.annotation.PostMapping;**

**import org.springframework.web.bind.annotation.PutMapping;**

**import org.springframework.web.bind.annotation.RequestBody;**

**import org.springframework.web.bind.annotation.RestController;**

**@RestController**

**@CrossOrigin(origins = "\*")//integrate to Angular with any port**

**public class ItemController {**

**@Autowired**

**private ItemRepo repo;**

**//Register**

**@PostMapping("/register")**

**public String register(@RequestBody Item item) {**

**repo.save(item);**

**return "Hi "+item.getName()+" You are registered ";**

**}**

**// list record**

**@GetMapping("/getAllitems")**

**public List<Item> findAllUsers(){**

**return repo.findAll();**

**}**

**//search by email**

**@GetMapping("/findbyname/{name}")**

**public List<Item> findItem(@PathVariable String name){**

**return repo.findByname(name);**

**}**

**//delete the record**

**@DeleteMapping("/cancel/{id}")**

**public List<Item> cancelregisteration(@PathVariable int id){**

**repo.deleteById(id);**

**return repo.findAll();**

**}**

**@PutMapping("/update/{id}")**

**public List<Item> updateItem(@PathVariable int id,@RequestBody Item item) {**

**Item updateItem = repo.findById(id)**

**.orElseThrow();**

**//updateItem.setName(item.getName());**

**updateItem.setQuantity(item.getQuantity()-1);**

**repo.save(updateItem);**

**return repo.findAll();**

**}**

**//@PutMapping("{id}")**

**// public ResponseEntity<Employee> updateEmployee(@PathVariable long id,@RequestBody Employee employeeDetails) {**

**// Employee updateEmployee = employeeRepository.findById(id)**

**// .orElseThrow(() -> new ResourceNotFoundException("Employee not exist with id: " + id));**

**//updateEmployee.setFirstName(employeeDetails.getFirstName());**

**// updateEmployee.setLastName(employeeDetails.getLastName());**

**// updateEmployee.setEmailId(employeeDetails.getEmailId());**

**// employeeRepository.save(updateEmployee);**

**//return ResponseEntity.ok(updateEmployee);**

**// }**

**}**

## ItemRepo.java

**package com.example.demo;**

**import java.util.List;**

**import org.springframework.data.jpa.repository.JpaRepository;**

**public interface ItemRepo extends JpaRepository<Item,Integer>{**

**//List<Item> findByemail (String email);**

**List<Item> findByname(String name);**

**}**

## Project Structure

