**Stock Market Charting UIUX (Phase1)**

**ANGULAR**

**Index.html**

<!doctype html>

<html lang="en">

<head>

  <meta charset="utf-8">

  <title>StockCharts</title>

  <base href="/">

  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="icon" type="image/x-icon" href="favicon.ico">

</head>

<body>

  <app-root></app-root>

</body>

</html>

**Style.css**

\*{

    padding:0;

    margin:0;

    box-sizing: border-box;

}

main{

    height:100vh;

}

.no-gutters {

    margin-right: 0;

    margin-left: 0;

    /\* > .col,

    > [class\*="col-"] {

      padding-right: 0;

      padding-left: 0;

    } \*/

  }

**app-routing.module.ts**

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

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

import { SignUpComponent } from './sign-up/sign-up.component';

import { HomeComponent } from './home/home.component';

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

import { LoginComponent } from './login/login.component';

import { MemberComponent } from './member/member.component';

import { AdminLandingPageComponent } from './admin-landing-page/admin-landing-page.component';

import { UpdateUserComponent } from './update-user/update-user.component';

import { DocumentUploadComponent } from './document-upload/document-upload.component';

import { CreateNewCompanyComponent } from './create-new-company/create-new-company.component';

import { CompanyListComponent } from './company-list/company-list.component';

import { ContactUsComponent } from './contact-us/contact-us.component';

import { AboutUsComponent } from './about-us/about-us.component';

import { UserLandingPageComponent } from './user-landing-page/user-landing-page.component';

import { CompareCompanyComponent } from './compare-company/compare-company.component';

import { CompareSectorsComponent } from './compare-sectors/compare-sectors.component';

const routes: Routes = [

  { path: '', redirectTo: 'home', pathMatch: 'full' },

  { path: 'home', component: HomeComponent },

  { path: 'about', component: AboutUsComponent },

  { path: 'contact', component: ContactUsComponent },

  { path: 'sign\_up', component: SignUpComponent },

  { path: 'login', component: LoginComponent },

  { path: 'user-page', component: UserLandingPageComponent },

  { path: 'compare-company', component: CompareCompanyComponent },

  { path: 'compare-sectors', component: CompareSectorsComponent },

  { path: 'users', component: MemberComponent },

  { path: 'admin', component: AdminLandingPageComponent },

  { path: 'update-user', component: UpdateUserComponent },

  { path: 'import-data', component: DocumentUploadComponent },

  { path: 'manage-company', component: CompanyListComponent },

  { path: 'add-company', component: CreateNewCompanyComponent }

];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

**app.component.html**

<!-- header -->

<header class="bg-dark">

    <div class="w-100">

        <ul class="nav  justify-content-center">

            <li class="nav-item">

                <a href="#" class="navbar-brand ">

                    <img src="../assets/images/logo.png" width="90" height="90" alt="logo">

                </a>

            </li>

            <li class="nav-item">

                <p class="display-3 text-info">STOCK CHARTS</p>

            </li>

        </ul>

    </div>

    <nav class="navbar navbar-expand-lg navbar-dark bg-dark sticky-top">

        <div class="collapse navbar-collapse ">

            <ul class="navbar-nav mr-auto">

                <li class="nav-item"><a [routerLink]="['home']" class="nav-link active">HOME</a></li>

                <li class="nav-item"><a [routerLink]="['contact']" class="nav-link">CONTACT US</a></li>

                <li class="nav-item"><a [routerLink]="['about']" class="nav-link">ABOUT US</a></li>

            </ul>

            <a href="sign\_up" class="navbar-brand btn btn-outline-success text-success">SIGN UP</a>

        </div>

    </nav>

</header>

<!-- header -->

<main>

    <router-outlet></router-outlet>

</main>

<!-- Footer -->

<footer class="page-footer font-small blue bg-dark text-light">

    <div class="footer-copyright text-center py-3">&copy; 2020 Copyright:

        <a href="#">Stock Charts</a>

    </div>

</footer>

<!-- Footer -->

**app.module.ts**

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

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

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

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

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

import { SignUpComponent } from './sign-up/sign-up.component';

import { HomeComponent } from './home/home.component';

import { LoginComponent } from './login/login.component';

import { AdminLandingPageComponent } from './admin-landing-page/admin-landing-page.component';

import { UserLandingPageComponent } from './user-landing-page/user-landing-page.component';

import { DocumentUploadComponent } from './document-upload/document-upload.component';

import { MemberComponent } from './member/member.component';

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

import { UpdateUserComponent } from './update-user/update-user.component';

import { CreateNewCompanyComponent } from './create-new-company/create-new-company.component';

import { CompanyListComponent } from './company-list/company-list.component';

import { ContactUsComponent } from './contact-us/contact-us.component';

import { AboutUsComponent } from './about-us/about-us.component';

import { CompareCompanyComponent } from './compare-company/compare-company.component';

import { CompareSectorsComponent } from './compare-sectors/compare-sectors.component';

@NgModule({

  declarations: [

    AppComponent,

    SignUpComponent,

    HomeComponent,

    LoginComponent,

    AdminLandingPageComponent,

    UserLandingPageComponent,

    DocumentUploadComponent,

    MemberComponent,

    UpdateUserComponent,

    CreateNewCompanyComponent,

    CompanyListComponent,

    ContactUsComponent,

    AboutUsComponent,

    CompareCompanyComponent,

    CompareSectorsComponent

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    HttpClientModule,

    ReactiveFormsModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

**App.component.ts**

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

@Component({

  selector: 'app-root',

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

  styleUrls: ['./app.component.css']

})

export class AppComponent {

  title = 'StockCharts';

}

**Home Component**

**home.component.html**

<!-- body -->

<main class="main">

  <div class="container">

    <div class="text-center ">

      <h1 class="display-2 ">Welcome to StockCharts</h1>

    </div>

    <br>

    <div class="row ">

      <div class="col-4">

      </div>

      <div class="w-25 float-right border p-3 col-4 bg-light shadow rounded ">

        <a class="btn btn-info btn-lg btn-block my-5 " [routerLink]="['/login']">ADMIN</a>

        <a class="btn btn-primary btn-lg btn-block my-5" [routerLink]="['/login']">USER</a>

      </div>

    </div>

  </div>

</main>

<!-- body -->

**Home.component.ts**

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

@Component({

  selector: 'app-home',

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

  styleUrls: ['./home.component.css']

})

export class HomeComponent implements OnInit {

  constructor() { }

  ngOnInit() {

  }

}

**Models:**

**User.ts**

export class User{

    id:String;

    username: String;

    password : String;

    userType: String;

    email: String;

    phone: number;

    confirm:boolean;

}

**Server:**

**Users.json**

{

  "users": [

    {

      "id": 101,

      "username": "Gurudutt",

      "password": "asdf",

      "userType": "user",

      "email": "asd@asd.com",

      "phone": 12345556456

    },

    {

      "id": "123",

      "username": "Syed ",

      "password": "asdakjd",

      "userType": "user",

      "email": "kjdshf@ksjdfh",

      "phone": 213123123132

    },

    {

      "id": "456",

      "username": "vishnu",

      "password": "akjdnkjw",

      "userType": "user",

      "email": "vajoi@alkfjnal",

      "phone": 342424242

    },

    {

      "id": "324",

      "username": "sree",

      "password": "ghrs",

      "userType": "fghst",

      "email": "rfa@dgse",

      "phone": 4234435

    }

  ]

}

**Services:**

**User-service.service.ts**

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

import { Observable } from 'rxjs';

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

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

@Injectable({

  providedIn: 'root'

})

export class UserServiceService {

  httpUrl = "http://localhost:3000/users/";

  constructor(private httpClient: HttpClient) { }

  getUserData(): Observable<User[]> {

    return this.httpClient.get<User[]>(this.httpUrl);

  }

  saveNewUser(user: User): Observable<User> {

    return this.httpClient.post<User>(this.httpUrl, user);

  }

  deleteUser(id: string):Observable<User> {

    // return this.httpClient.delete(`${this.httpUrl}${id}`)

    return this.httpClient.delete<User>(this.httpUrl+id);

  }

  updateUserInfo(user: User): Observable<User> {

    return this.httpClient.put<User>(this.httpUrl + user.id, user);

  }

  getUserById(id: string): Observable<User> {

    return this.httpClient.get<User>(this.httpUrl + id);

  }

}

**Admin:**

**Login.component.html**

<div class="container mt-5">

   <div class="card shadow">

    <h2 class="display-3 my-3 text-center">Sign In</h2>

    <form [formGroup]="loginForm" (ngSubmit)="login()" class="form-group w-50 container">

        <label>Username:</label>

        <input type="text" class="form-control mb-3" formControlName="userName" placeholder="Enter your user name">

        <label>Password:</label>

        <input type="text" class="form-control mb-3" formControlName="password" placeholder="Enter your password">

        <div class="text-center mt-5">

            <input [disabled]="!loginForm.valid" type="reset" class="btn btn-lg btn-info px-5 mx-3">

            <input [disabled]="!loginForm.valid" type="submit" class="btn btn-lg btn-success px-5">

        </div>

    </form>

   </div>

</div>

**Login.component.ts**

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

import { FormGroup, FormBuilder, Validators } from '@angular/forms';

import { Router } from '@angular/router';

@Component({

  selector: 'app-login',

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

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

})

export class LoginComponent implements OnInit {

  loginForm: FormGroup;

  constructor(private \_fb: FormBuilder, private router: Router) { }

  ngOnInit() {

    this.loginForm = this.\_fb.group({

      userName: ['', Validators.required],

      password: ['', Validators.required]

    })

  }

  login() {

    this.router.navigate(['/admin'])

  }

}

**Admin-landing-page.component.html**

<h2 class="display-5 text-muted text-center my-2">Welcome Admin</h2>

<hr>

<div class="row no-gutters">

        <div class="list-group list-group-flush text-center px-0 border-right col-3">

            <a class="list-group-item list-group-item-action" [routerLink]="['/import-data']">Import Data</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/manage-company']">Manage Company</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/users']">Manage Users</a>

            <a class="list-group-item list-group-item-action">Manage Exchange</a>

            <a class="list-group-item list-group-item-action">Update IPO Details</a><h2 class="display-5 text-center text-muted my-2">List of Companies</h2>

<hr>

<div class="row no-gutters">

    <div class=" border-right col-3 ">

        <div class="list-group list-group-flush  text-center">

            <a class="list-group-item list-group-item-action" [routerLink]="['/import-data']">Import Data</a>

            <a class="list-group-item list-group-item-action active" [routerLink]="['/manage-company']">Manage

                Company</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/users']">Manage Users</a>

            <a class="list-group-item list-group-item-action">Manage Exchange</a>

            <a class="list-group-item list-group-item-action">Update IPO Details</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/home']">Logout</a>

        </div>

    </div>

    <div class="col">

        <button class="btn btn-success float-right" [routerLink]="['/add-company']">Add New Company</button>

    </div>

</div>

<h2 class="display-5 text-center text-muted my-2">List of Companies</h2>

<hr>

<div class="row no-gutters">

<div class=" border-right col-3 ">

<div class="list-group list-group-flush text-center">

<a class="list-group-item list-group-item-action" [routerLink]="['/import-data']">Import Data</a>

<a class="list-group-item list-group-item-action active" [routerLink]="['/manage-company']">Manage

Company</a>

<a class="list-group-item list-group-item-action" [routerLink]="['/users']">Manage Users</a>

<a class="list-group-item list-group-item-action">Manage Exchange</a>

<a class="list-group-item list-group-item-action">Update IPO Details</a>

<a class="list-group-item list-group-item-action" [routerLink]="['/home']">Logout</a>

</div>

</div>

<div class="col">

<button class="btn btn-success float-right" [routerLink]="['/add-company']">Add New Company</button>

</div>

</div><h2 class="display-5 text-center text-muted my-2">List of Companies</h2>

<hr>

<div class="row no-gutters">

    <div class=" border-right col-3 ">

        <div class="list-group list-group-flush  text-center">

            <a class="list-group-item list-group-item-action" [routerLink]="['/import-data']">Import Data</a>

            <a class="list-group-item list-group-item-action active" [routerLink]="['/manage-company']">Manage

                Company</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/users']">Manage Users</a>

            <a class="list-group-item list-group-item-action">Manage Exchange</a>

            <a class="list-group-item list-group-item-action">Update IPO Details</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/home']">Logout</a>

        </div>

    </div>

    <div class="col">

        <button class="btn btn-success float-right" [routerLink]="['/add-company']">Add New Company</button>

    </div>

</div>

            <a class="list-group-item list-group-item-action" [routerLink]="['/home']">Logout</a>

        </div>

</div>

**Admin-landing-page.component.ts**

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

@Component({

  selector: 'app-admin-landing-page',

  templateUrl: './admin-landing-page.component.html',

  styleUrls: ['./admin-landing-page.component.css']

})

export class AdminLandingPageComponent implements OnInit {

  constructor() { }

  ngOnInit() {

  }

}

**company-list.component.html**

<h2 class="display-5 text-center text-muted my-2">List of Companies</h2>

<hr>

<div class="row no-gutters">

    <div class=" border-right col-3 ">

        <div class="list-group list-group-flush  text-center">

            <a class="list-group-item list-group-item-action" [routerLink]="['/import-data']">Import Data</a>

            <a class="list-group-item list-group-item-action active" [routerLink]="['/manage-company']">Manage

                Company</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/users']">Manage Users</a>

            <a class="list-group-item list-group-item-action">Manage Exchange</a>

            <a class="list-group-item list-group-item-action">Update IPO Details</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/home']">Logout</a>

        </div>

    </div>

    <div class="col">

        <button class="btn btn-success float-right" [routerLink]="['/add-company']">Add New Company</button>

    </div>

</div>

**company-list.component.ts**

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

@Component({

  selector: 'app-company-list',

  templateUrl: './company-list.component.html',

  styleUrls: ['./company-list.component.css']

})

export class CompanyListComponent implements OnInit {

  constructor() { }

  ngOnInit() {

  }

}

**create-new-company.component.html**

<h2 class="display-4 text-center text-muted my-3">Create New Company</h2>

<div class="container">

    <form class="form-group w-50 container" [formGroup]="addCompany">

        <div class="formGroup">

            <label>Company Name:</label>

            <input type="text" class="form-control" formControlName="companyName" placeholder="Enter company name">

        </div>

        <div class="formGroup">

            <label>CEO name:</label>

            <input type="text" class="form-control" formControlName="CEOName"

                placeholder=" Name of CEO or a Board Member">

        </div>

        <div class="formGroup">

            <label>TurnOver:</label>

            <input type="text" class="form-control" formControlName="turnOver" placeholder=" TurnOver">

        </div>

        <div class="formGroup">

            <label>Breif Description:</label>

            <input type="text" class="form-control" formControlName="description" placeholder="Maximum 100 words">

        </div>

        <div class="formGroup">

            <label>IPO Date:</label>

            <input type="date" class="form-control" formControlName="IPOName" placeholder=" IPO date">

        </div>

        <div class="text-center mt-3">

            <input type="reset" class="btn  btn-info px-5 mr-2">

            <input type="submit" class="btn btn-success px-5 ml-2">

        </div>

    </form>

</div>

**create-new-company.component.ts**

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

import { FormGroup, FormBuilder } from '@angular/forms';

@Component({

  selector: 'app-create-new-company',

  templateUrl: './create-new-company.component.html',

  styleUrls: ['./create-new-company.component.css']

})

export class CreateNewCompanyComponent implements OnInit {

  addCompany:FormGroup;

  constructor(private formBulder:FormBuilder) { }

  ngOnInit() {

    this.addCompany=this.formBulder.group({

      companyName:[''],

      CEOName:[''],

      turnOver:[''],

      description:[''],

      IPOName:['']

    });

  }

}

**document-upload.component.html**

<h2 class="display-5 text-center my-2">Upload Excel</h2>

<hr>

<div class="row no-gutters">

    <div class="w-25 border-right col-3 ">

        <div class="list-group list-group-flush  text-center">

            <a class="list-group-item list-group-item-action active" [routerLink]="['/import-data']">Import Data</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/manage-company']">Manage Company</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/users']">Manage Users</a>

            <a class="list-group-item list-group-item-action">Manage Exchange</a>

            <a class="list-group-item list-group-item-action">Update IPO Details</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/home']">Logout</a>

        </div>

    </div>

    <div class="container float-right col w-75 ml-5 mt-5 ">

        <form [formGroup]="uploadFile" class="custom-file w-50">

            <div class="formGroup">

                <input type="file" formControlName="file" class="formControl custom-file-input ">

                <label class="custom-file-label" for="customFile">Choose file</label>

            </div>

            <div class="float-right mt-2">

                <input type="submit" class="btn btn-success px-5">

            </div>

        </form>

    </div>

</div>

**document-upload.component.ts**

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

import { FormGroup, FormBuilder } from '@angular/forms';

@Component({

  selector: 'app-document-upload',

  templateUrl: './document-upload.component.html',

  styleUrls: ['./document-upload.component.css']

})

export class DocumentUploadComponent implements OnInit {

  uploadFile: FormGroup;

  constructor(private formBulder: FormBuilder) { }

  ngOnInit() {

    this.uploadFile = this.formBulder.group({

      file: ['']

    });

  }

}

**member.component.html**

<h2 class="display-5 text-muted text-center my-2">Users List</h2>

<hr>

<div class="row no-gutters">

    <div class="w-25 border-right  col-3 h-75">

        <div class="list-group list-group-flush  text-center">

            <a class="list-group-item list-group-item-action" [routerLink]="['/import-data']">Import Data</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/manage-company']">Manage Company</a>

            <a class="list-group-item list-group-item-action active" [routerLink]="['/users']">Manage Users</a>

            <a class="list-group-item list-group-item-action">Manage Exchange</a>

            <a class="list-group-item list-group-item-action">Update IPO Details</a>

            <a class="list-group-item list-group-item-action"[routerLink]="['/home']">Logout</a>

        </div>

    </div>

    <div class="container float-right col w-75">

        <table class="table text-center">

            <tr>

                <th>Id</th>

                <th>username</th>

                <th>password</th>

                <th>user type</th>

                <th>email</th>

                <th>phone</th>

                <th colspan="2">Actions</th>

            </tr>

            <tr \*ngFor="let user of userList">

                <td>{{user.id}}</td>

                <td>{{user.username}}</td>

                <td>{{user.password}}</td>

                <td>{{user.userType}}</td>

                <td>{{user.email}}</td>

                <td>{{user.phone}}</td>

                <td><button class="btn btn-info" (click)="updateUser(user)">Update</button></td>

                <td><button class="btn btn-danger" (click)="deleteUser(user)">Delete</button></td>

            </tr>

        </table>

    </div>

</div>

**member.component.ts**

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

import { UserServiceService } from '../services/user-service.service';

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

import { Router } from '@angular/router';

@Component({

  selector: 'app-member',

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

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

})

export class MemberComponent implements OnInit {

  userList: User[];

  constructor(private userService: UserServiceService, private router: Router) { }

  ngOnInit() {

    this.getUsers();

  }

  getUsers() {

    this.userService.getUserData().subscribe(data => {

      this.userList = data;

      console.log(data);

    });

  }

  deleteUser(user:User) {

    this.userService.deleteUser(user.id.toString()).subscribe(res => {

      console.log(res);

      this.getUsers();

    });

  }

  updateUser(user: User) {

    localStorage.removeItem('userId');

    localStorage.setItem('userId', user.id.toString());

    this.router.navigate(['update-user']);

  }

}

**update-user.component.html**

<h2 class="display-5 text-center my-2 text-muted">Update User</h2>

<hr>

<div class="row no-gutters">

    <div class="w-25 border-right  col-3 h-75">

        <div class="list-group list-group-flush  text-center">

            <a class="list-group-item list-group-item-action" [routerLink]="['/import-data']">Import Data</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/manage-company']">Manage Company</a>

            <a class="list-group-item list-group-item-action active" [routerLink]="['/users']">Manage Users</a>

            <a class="list-group-item list-group-item-action">Manage Exchange</a>

            <a class="list-group-item list-group-item-action">Update IPO Details</a>

            <a class="list-group-item list-group-item-action" [routerLink]="['/home']">Logout</a>

        </div>

    </div>

    <div class="container col">

        <form class=" w-50 container" [formGroup]="updateUser" (ngSubmit)="saveUser()">

            <div class="form-group">

                <label for="id">Id:</label>

                <input type="text" class="form-control " id="id" formControlName="id" placeholder="Enter your ID" disabled>

            </div>

            <div class="form-group">

                <label for="username">Username:</label>

                <input type="text" class="form-control" id="username" formControlName="username"

                    placeholder=" Should contain letters and numbers">

            </div>

            <div class="form-group">

                <label for="password">password:</label>

                <input type="password" class="form-control" id="password" formControlName="password"

                    placeholder=" Use Strong password">

            </div>

            <div class="form-group">

                <label for="userType">User type:</label>

                <input type="text" class="form-control" id="userType" formControlName="userType"

                    placeholder=" Enter user type">

            </div>

            <div class="form-group">

                <label for="email">Email:</label>

                <input type="email" class="form-control" id="email" formControlName="email" placeholder=" asd@asd.com">

            </div>

            <div class="form-group">

                <label for="phone">phone:</label>

                <input type="number" class="form-control" id="phone" formControlName="phone" placeholder=" Phone Number">

            </div>

            <div class="text-center mt-3 mb-5">

                <button type="submit" class="btn  btn-success px-5 mx-3" (click)="updateTheUser(user)">Update User</button>

            </div>

        </form>

    </div>

</div>

**update-user.component.ts**

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

import { FormGroup, FormBuilder, Validators } from '@angular/forms';

import { UserServiceService } from '../services/user-service.service';

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

import { Router } from '@angular/router';

@Component({

  selector: 'app-update-user',

  templateUrl: './update-user.component.html',

  styleUrls: ['./update-user.component.css']

})

export class UpdateUserComponent implements OnInit {

  updateUser: FormGroup;

  constructor(private formBulder: FormBuilder, private userService: UserServiceService, private router: Router) { }

  ngOnInit() {

    this.updateUser = this.formBulder.group({

      id: [''],

      username: ['', Validators.required],

      password: ['', Validators.required],

      userType: ['', Validators.required],

      email: ['', [Validators.required, Validators.email]],

      phone: ['', Validators.required]

    });

    const id = localStorage.getItem('userId');

    if (+id > 0) {

      this.userService.getUserById(id).subscribe(user => {

        this.updateUser.patchValue(user);

      })

    }

  }

  updateTheUser(user: User) {

    this.userService.updateUserInfo(this.updateUser.value).subscribe(u => {

      this.router.navigate(['users']);

    })

  }

}