**ANGULAR Handson Solutions**

**Date:**05-07-2021

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**Angular Handson DAY5**

**Session:**

*Given:*

HttpClient

Create new service named 'user'

· Create new interface 'user' to handle user data

· Implement method getAllUsers() in the service that will retrieve data from the above mentioned URL and return array of User

· Create new component named user that injects user service and get the user array

· User component displays the data in HTML template using user array

*Implementation:*

*User.service*

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

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

const baseUrl = 'https://reqres.in/api/users?page=2';

@Injectable({

  providedIn: 'root'

})

export class UserService {

  constructor(private http: HttpClient) { }

  getAll() {

    return this.http.get(baseUrl);

  }

}

//Interface for user to handle data

export interface user {

  id:number;

  email:string;

  first\_name:string;

  last\_name:string;

  avatar : string;

}

*App.module*

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

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

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

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

import { UserComponent } from './user/user.component';

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

@NgModule({

  declarations: [

    AppComponent,

    UserComponent

  ],

  imports: [

    BrowserModule,

    AppRoutingModule,

    HttpClientModule

  ],

  providers: [],

  bootstrap: [AppComponent]

})

export class AppModule { }

*App.routing.ts*

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

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

import { UserComponent } from './user/user.component';

const routes: Routes = [{path:"User",component:UserComponent}];

@NgModule({

  imports: [RouterModule.forRoot(routes)],

  exports: [RouterModule]

})

export class AppRoutingModule { }

*User.component.html*

<div class="some">

    <input type="button"  value="Users"  (click)="GetUser()"/>&nbsp;

<br><br>

<table border="2"   cellspacing="0">

    <tr>

      <th>Photo</th>

      <th>Details</th>

    </tr>

    <tr  \*ngFor="let item of user.data">

      <td><img  width="100" [src]="item.avatar"></td>

      <td style="text-align: left;">Name : {{item.first\_name}} &nbsp;{{item.last\_name}}

          <br>

          Email : {{item.email}}

    </td>

    </tr>

  </table>

</div>

*User.module.ts*

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

import { UserService } from '../user.service';

@Component({

  selector: 'app-user',

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

  styleUrls: ['./user.component.css']

})

export class UserComponent implements OnInit {

  public user:any=[];

  constructor(private userService:UserService ) { }

  ngOnInit(): void {

  }

  GetUser() {

    this.userService.getAll()

      .subscribe(

        data => {

          this.user= data;

          console.log(data);

          console.log(this.user);

        },

        error => {

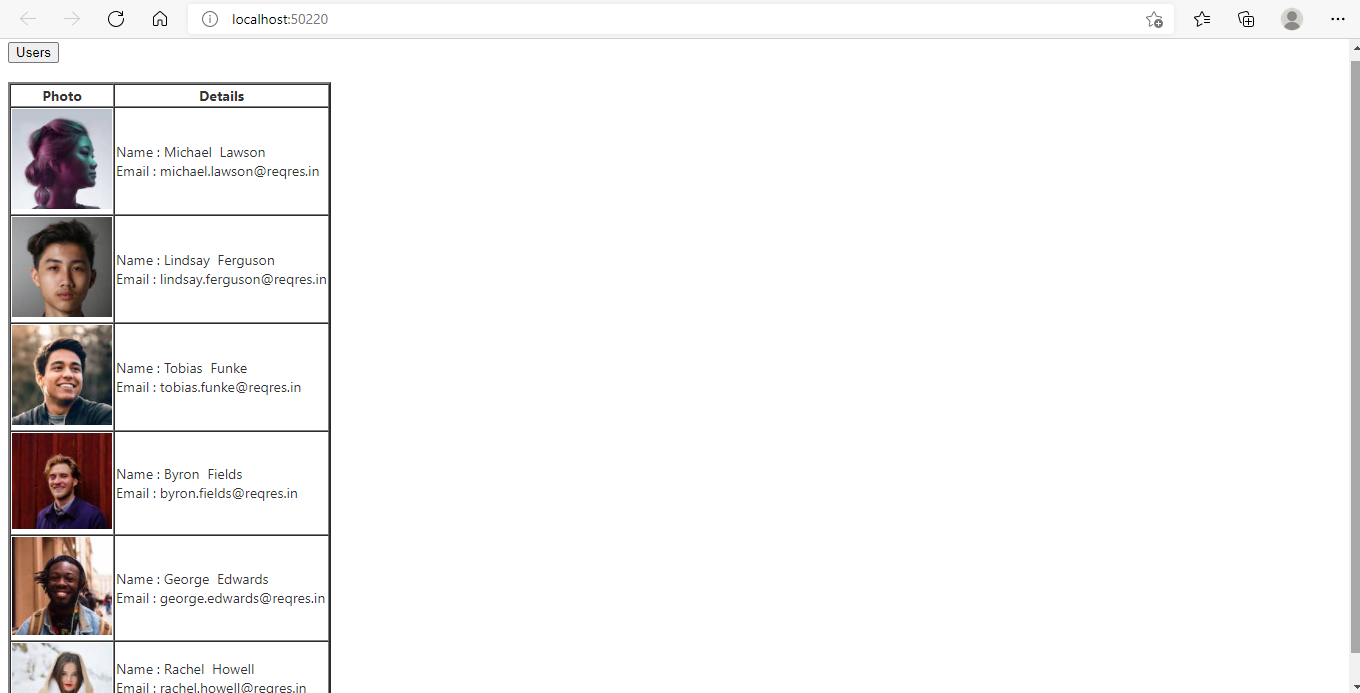
          console.log(error);

        });

  }

}

*Output:*

**