**TP 02 : Développement d’une application Web CRUD (Partie 1- Angular- front-end)**

**1-** Générer le modèle **Userr1:** **ng g class models/Userr1 --type=model**

**export class Userr1{**

**constructor(**

**public  userName:string,**

**public  nom:string,**

**public  prnom:string,**

**public  dateDeNaissance: Date,**

**public  lieuDeNaissance:string,**

**public  motPasse:string,**

**public  role:number,**

**public  numService:number,**

**public  numUser:number, ) {}}**

**2-** Générer le composant permettant l’affichage des utilisateurs : **ng generate component Userr1**

* Modifier le fichier **Userr1.component.html** (Vue) comme suit :

**<div class="col-md-6">  <h2 class="text-center">Liste des Utilisateurs</h2>**

**<table class="table table-striped">  <thead>   <tr>**

**<th>Numero</th>**

**<th>Nom Utilisateur</th>**

**<th>role</th>     </tr>  </thead>**

**<tbody>  <tr \*ngFor="let userr1 of userrs">**

**<td>{{userr1.numUser}}</td>**

**<td>{{userr1.userName}}</td>**

**<td>{{userr1.role}}</td>**

**<td><button class="btn btn-danger"  (click)="deleteUserr(userr1)">Delete </button></td>**

**<td><button class="btn btn-success" (click)="editUserr(userr1)">Update</button></td>**

**</tr>    </tbody>   </table> </div>**

**<div class="col-md-6"  \*ngIf="x">  <h2 class="text-center">Update Userr</h2>**

**<form> <div class="form-group">**

**<label for="userName">Username:</label>**

**<input  type="text "[(ngModel)]="user.userName" name="user.userName"   class="form-control" id="username"> </div>**

**<div class="form-group">**

**<label for="nom">Nom:</label>**

**<input  [(ngModel)]="user.nom"  name="user.nom" class="form-control" id="name"> </div>**

**<div class="form-group">**

**<label for="prnom">Prenom:</label>**

**<input  [(ngModel)]="user.prnom"  name="user.prnom" class="form-control" id="prnom"> </div>**

**<div class="form-group">**

**<label for="lieuDeNaissance">Lieu de Naissance:</label>**

**<input  [(ngModel)]="user.lieuDeNaissance"  name="user.lieuDeNaissance" class="form-control" id="lieuDeNaissance"></div>**

**<div class="form-group">**

**<label for="dateDeNaissance">Date de Naissance:</label>**

**<input type="date" [(ngModel)]="user.dateDeNaissance"  name="user.dateDeNaissance" class="form-control" id="dateDeNaissance"> </div>**

**<div class="form-group">**

**<label for="motPasse">Password:</label>**

**<input [(ngModel)]="user.motPasse"  name="user.motPasse" class="form-control" id="motPasse">**

**</div>   <!-- <div class="form-group">**

**<label for="role">Role:</label>**

**<select  class="form-control"  name="user.role" [(ngModel)]="user.role" id="role">**

**<option disabled>Sélectionner Role</option>**

**<option \*ngFor="let r of RoleList"   [value]="r.id">{{r.libelle}}</option>**

**</select>  </div>  -->  <button class="btn btn-success" (click)="updateUserr()">Update</button> </form> </div>**

* - Modifier le fichier **Userr1.component.ts** (contrôleur) comme suit :

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

**import { User1 } from '../models/userr1.model';**

**import { HttpClientService } from '../services/http-client.service';**

**@Component({**

**selector: 'app-userr1',**

**templateUrl: './userr1.component.html',**

**styleUrls: ['./userr1.component.css']**

**})**

**@Injectable()**

**export class Userr1Component implements OnInit {**

**@Input()**

**userrs:User1[]= [];**

**RoleList:any[]=[];**

**x: boolean= false;**

**user: User1 = new User1('','','',new Date(),'','',[],0,0);**

**constructor(private httpClientService:HttpClientService) { }**

**ngOnInit() {**

**this.httpClientService.getUserrs().subscribe(**

**response =>this.handleSuccessfulResponse(response));**

**}**

**deleteUserr(employee: User1): void {**

**this.httpClientService.deleteUserr(employee)**

**.subscribe( data => {**

**this.userrs = this.userrs.filter(u => u !== employee);**

**})};**

**updateUserr(): void {**

**this.httpClientService.updateUserr(this.user.numUser, this.user )**

**.subscribe( data => {**

**alert("User updated successfully."); }); };**

**editUserr(employee: User1){**

**this.x=!(this.x);**

**this.user=employee;**

**}**

**handleSuccessfulResponse(response:any)**

**{ this.userrs=response;}}**

**3 -** Générer le composant « ajouter utililisateur »: **ng generate component add-userr**

* Modifier le fichier **Add-userr.component.html** (Vue) comme suit :

**<div class="col-md-6"> <h2 class="text-center">Ajouter un Utilisateur</h2>**

**<form>   <div class="form-group">**

**<label for="userName">Username:</label>**

**<input type="name" [(ngModel)]="user.userName"  name="name" class="form-control" id="username"> </div>**

**<div class="form-group">**

**<label for="nom">Nom:</label>**

**<input type="name" [(ngModel)]="user.nom"  name="name" class="form-control" id="name">**

**</div>  <div class="form-group">**

**<label for="prnom">Prenom:</label>**

**<input type="name" [(ngModel)]="user.prnom"  name="name" class="form-control" id="prnom">**

**</div> <div class="form-group">**

**<label for="lieuDeNaissance">Lieu de Naissance:</label>**

**<input type="name" [(ngModel)]="user.lieuDeNaissance"  name="name" class="form-control" id="lieuDeNaissance"> </div>**

**<div class="form-group">**

**<label for="dateDeNaissance">Date de Naissance:</label>**

**<input type="date" [(ngModel)]="user.dateDeNaissance"  name="name" class="form-control" id="dateDeNaissance">  </div>**

**<div class="form-group">**

**<label for="motPasse">Password:</label>**

**<input type="name" [(ngModel)]="user.motPasse"  name="name" class="form-control" id="motPasse"> </div>**

**<div class="form-group">**

**<label for="role">Role:</label>**

**<input type="name" [(ngModel)]="user.role"  name="name" class="form-control" id="role">**

**</div>  <button class="btn btn-success" (click)="createUserr()">Create</button>  </form> </div>**

* Modifier le fichier **: Add-Userr.component.ts** (Contrôleur) comme suit :

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

**import { HttpClientService} from '../services/http-client.service';**

**import {User1} from '../models/userr1.model';**

**@Component({**

**selector: 'app-add-userr',**

**templateUrl: './add-userr.component.html',**

**styleUrls: ['./add-userr.component.css']**

**})**

**export class AddUserrComponent implements OnInit {**

**RoleList: any[]=[];**

**user: User1 =new User1('', '', '', new Date(), '', '', this.RoleList, 0);**

**constructor(private httpClientService: HttpClientService) { }**

**ngOnInit(): void {  }**

**createUserr(): void {**

**this.httpClientService.createUserr(this.user)**

**.subscribe( data => {**

**alert("user ajouté avec succès");   }); };}**

**4-** Générer le service HttpClientService: **ng generate service services/httpClient**

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

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

**import { User1} from '../models/userr1.model'**

**import { Observable } from 'rxjs';**

**@Injectable({  providedIn: 'root'**

**})**

**export class HttpClientService {**

**private readonly url = 'http://localhost:8080/employees';**

**constructor( private httpClient:HttpClient) { }**

**getUserrs() {return this.httpClient.get<User1[]>(this.url); }**

**public deleteUserr(employee:User1) {**

**return this.httpClient.delete<User1>(this.url + "/"+ employee.numUser); }**

**public createUserr(employee:User1): Observable<any> {**

**return this.httpClient.post<User1>(this.url, employee); }**

**public updateUserr(id:any,employee:User1) {**

**return this.httpClient.put<User1>(this.url+ "/"+id,employee); }}**