

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 users">  
  <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="for
m-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));
  }

  deleteUsererr(employee: User1): void {
    this.httpClientService.deleteUsererr(employee)
      .subscribe( data => {
        this.userrs = this.userrs.filter(u => u !== employee);
      });
  }

  updateUsererr(): void {

    this.httpClientService.updateUsererr(this.user.numUser, this.user )
      .subscribe( data => {
        alert("User updated successfully."); }); });

  editUsererr(employee: User1){
    this.x = !(this.x);
    this.user = employee;
  }

  handleSuccessfulResponse(response: any)
  { this.userrs = response; }
}
```

Générer le composant « ajouter utilisateur »: **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="text" [(ngModel)]="user.userName" name="name" class="form-control" id="username"> </div>
  <div class="form-group">
    <label for="nom">Nom:</label>
    <input type="text" [(ngModel)]="user.nom" name="name" class="form-control" id="name">
  </div> <div class="form-group">
    <label for="prnom">Prénom:</label>
    <input type="text" [(ngModel)]="user.prnom" name="name" class="form-control" id="prnom">
  </div> <div class="form-group">
    <label for="lieuDeNaissance">Lieu de Naissance:</label>
    <input type="text" [(ngModel)]="user.lieuDeNaissance" name="name" class="form-control" id="lieuDeNaissance"> </div>
  <div class="form-group">
    <label for="dateDeNaissance">Date de Naissance:</label>
    <input type="text" [(ngModel)]="user.dateDeNaissance" name="name" class="form-control" id="dateDeNaissance"> </div>
  <div class="form-group">
    <label for="motPasse">Password:</label>
    <input type="password" [(ngModel)]="user.motPasse" name="name" class="form-control" id="motPasse"> </div>
  <div class="form-group">
    <label for="role">Role:</label>
    <input type="text" [(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) {}

  getUsers() {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); }}

```