Event Management App

1. **employee.component.html:**

```html
<div class="container">
    <h3>Add New Employee</h3>
    <form [formGroup]="empRef" (ngSubmit)="storeEmp()">
        <input
        type="number"
        placeholder="Enter Employee ID"
        formControlName="id"
        ngModel
        required
        > 
        <input type="text" placeholder="Enter First Name"
formControlName="first_name"> 
        <input type="text" placeholder="Enter Last Name"
formControlName="last_name"> 
        <input type="text" placeholder="Enter Email"
formControlName="email"><br><br>
        <input type="submit" value="ADD EMPLOYEE" class="btn
btn-success">
    </form>
    <br>
    <h3>Employee Details</h3><br>
    <table class="table table-bordered">
        <tr>
            <th scope="col">Employee ID</th>
            <th scope="col">First Name</th>
            <th scope="col">Second Name</th>
            <th scope="col">Email</th>
            <th scope="col">View Details</th>
        </tr>
        <tr *ngFor="let employee of employees">
            <th scope="row">{{employee.id}}</th>
            <td>{{employee.first_name}}</td>
            <td>{{employee.last_name}}</td>
            <td>{{employee.email}}</td>
            <td><input type="button" value="VIEW DETAILS"
(click)="viewDetails(employee)"></td>
```

```
        </tr>
    </table>
</div>
```

2. employee.component.ts:

```typescript
import { Component, OnInit } from '@angular/core';
import { Router } from '@angular/router';
import { Employee } from '../employee';
import { EmployeeService } from '../employee.service';
import { FormGroup,FormControl } from "@angular/forms";
@Component({
  selector: 'app-employee',
  templateUrl: './employee.component.html',
  styleUrls: ['./employee.component.css']
})
export class EmployeeComponent implements OnInit {

  empRef = new FormGroup({
    id: new FormControl(),
    first_name: new FormControl(),
    last_name: new FormControl(),
    email: new FormControl()
  })

  employees:Array<Employee>=[]

  constructor(public es:EmployeeService,public router:Router) { }

  ngOnInit(): void {
    this.loadEmpDetails();
  }

  loadEmpDetails(){
    this.es.loadEmpData().subscribe({
      next:(data:any)=>this.employees=data,
      error:(error:any)=>console.log(error),
      complete:()=>console.log("Completed")
    })
```

```
    }

  storeEmp(){
    let employee = this.empRef.value;
    this.es.storeEmpData(employee).subscribe({
      next:(data:any)=>console.log(data),
      error:(error:any)=>console.log(error),
      complete:()=>this.loadEmpDetails()
    })
    this.empRef.reset();
  }


  viewDetails(employee:any){
    sessionStorage.setItem("empInfo",JSON.stringify(employee));
    this.router.navigate(["employee-operation"]);
  }


}
```

3. employee-operation.component.html:

```html
<div>
    <h4 class="font-weight-bold">Details of
{{employee.first_name}}</h4><br>
    <table class="table">
        <tr>
            <th>Employee ID</th>
            <th>First Name</th>
            <th>Second Name</th>
            <th>Email</th>
        </tr>
        <br>
        <tr>
            <th>{{employee.id}}</th>
            <td>{{employee.first_name}}</td>
            <td>{{employee.last_name}}</td>
            <td>{{employee.email}}</td>
        </tr>
    </table>
    <hr><br>
```

```html
    <input type="button" class="btn btn-primary" value="View All
Employee" (click)="ViewAll()"/> 
    <input type="button" class="btn btn-secondary" value="Update
Employee" (click)="updateEmployee(employee)"/> 
    <input type="button" class="btn btn-danger" value="Delete
Employee" (click)="deleteEmployee(employee.id)"/> <br>
    <input type="button" class="btn btn-link" value="Back To Home"
(click)="ViewAll()"/> 
</div>
```

4. employee-operation.component.ts:

```typescript
import { Component, OnInit } from '@angular/core';
import { Router } from '@angular/router';
import { EmployeeService } from '../employee.service';

@Component({
  selector: 'app-employee-operation',
  templateUrl: './employee-operation.component.html',
  styleUrls: ['./employee-operation.component.css']
})
export class EmployeeOperationComponent implements OnInit {
  employee:any;
  constructor(public router:Router,public es:EmployeeService) { }

  ngOnInit(): void {
    let obj = sessionStorage.getItem("empInfo");
    if(obj != null){
        this.employee= JSON.parse(obj);
    }
  }

  ViewAll(){
    this.router.navigate(["employees"])
  }

  deleteEmployee(id:any){
    this.es.delete(id).subscribe({
      next:(result:any)=>console.log(result),
      error:(error:any)=>console.log(error),
```

```
        complete:()=>this.ViewAll()

    })


  }


  updateEmployee(employee:any){
    sessionStorage.setItem("empUpd",JSON.stringify(employee));
    this.router.navigate(["employee-update"]);
  }
}
```

5. login.component.html:

```html
<div class="container">
    <div class="row">
        <div class="col-md-6">
            <div class="card">
                <div class="text-center">
                    <h1>Login</h1>
                    <h4>Please enter Email & Password </h4>
                </div>
                <form [formGroup]="loginRef"
(ngSubmit)="checkUser()">
                    <div class="form-group">
                        <label for="email1">Email address</label>
                        <input formControlName="email" type="email"
class="form-control" id="email1" aria-describedby="emailHelp">
                        <small id="emailHelp" class="form-text
text-muted">We'll never share your email with anyone
                        else.</small>

                    </div>
                    <br> <br>
                    <div class="form-group">
                        <label for="password1">Password</label>
                        <input formControlName="pass"
type="password" class="form-control" id="password1">
                    </div>
                    <br>
```

```html
                        <input type="submit" class="btn btn-success"
value="SUBMIT"> 
                        <input type="reset" class="btn btn-dark"
value="RESET">
                </form>
                <br>
                <span style="color: #800080">{{msg}}</span>
            </div>
        </div>
    </div>
</div>
```

6. login.component.ts:

```typescript
import { Component, OnInit } from '@angular/core';
import { FormControl, FormGroup } 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 {

  msg: string = "";
  loginRef = new FormGroup({
    email: new FormControl(),
    pass: new FormControl()
  });

  constructor(public router: Router) { }

  ngOnInit(): void {
  }

  checkUser() {
    let login = this.loginRef.value;
    if (login.email == "admin@gmail.com" && login.pass == "1234") {
```

```
        this.router.navigate(["employees"]);
    } else {
        this.msg = "Failure! Try Again!";
    }
  }
}
```

7. update-employee.component.html:

```html
<div>
    <h4 class="font-weight-bold">Update Details of
{{employee.first_name}}</h4><br>
    <form [formGroup]="empuRef" (ngSubmit)="updateEmpDetails()">
        Employee ID
        <input type="number" [(ngModel)]=employee.id
formControlName="id" readonly>
        First Name
        <input type="text" [(ngModel)]=employee.first_name
formControlName="first_name">
        Last Name
        <input type="text" [(ngModel)]=employee.last_name
formControlName="last_name">
        Email
        <input type="text" [(ngModel)]=employee.email
formControlName="email"><br><br>
        <input type="submit" class="btn btn-success" value="UPDATE
EMPLOYEE" >
    </form>
    <input type="button" class="btn btn-link" value="Back To Home"
(click)="ViewAll()"/> 
</div>
```

8. update-employee.component.ts:

```typescript
import { Component, OnInit } from '@angular/core';
import { FormGroup,FormControl } from "@angular/forms";
import { Router } from '@angular/router';
import { EmployeeService } from '../employee.service';


@Component({
```

```typescript
  selector: 'app-update-employee',
  templateUrl: './update-employee.component.html',
  styleUrls: ['./update-employee.component.css']
})
export class UpdateEmployeeComponent implements OnInit {

  constructor(public es:EmployeeService,public router:Router) { }
  employee:any;

  empuRef = new FormGroup({
    id: new FormControl(),
    first_name: new FormControl(),
    last_name: new FormControl(),
    email: new FormControl()
  })

  ngOnInit(): void {
    let obj = sessionStorage.getItem("empUpd");
    if(obj != null){
        this.employee= JSON.parse(obj);
    }
  }

  ViewAll(){
    this.router.navigate(["employees"])
  }

  updateEmpDetails(){
    let employee = this.empuRef.value;
    let id = this.empuRef.value.id;
    this.es.updateEmp(id,employee).subscribe({
      next:(data:any)=>this.employee=data,
      error:(error:any)=>console.log(error),
      complete:()=>this.ViewAll()
    })
  }

}
```

9. app.module.ts:

```typescript
import { NgModule } from '@angular/core';
import { BrowserModule } from '@angular/platform-browser';
import { HttpClientModule } from '@angular/common/http';
import { AppRoutingModule } from './app-routing.module';
import { AppComponent } from './app.component';
import { LoginComponent } from './login/login.component';
import { ReactiveFormsModule } from '@angular/forms';
import { FormsModule } from '@angular/forms';
import { EmployeeComponent } from './employee/employee.component';
import { UpdateEmployeeComponent } from
'./update-employee/update-employee.component';
import { EmployeeOperationComponent } from
'./employee-operation/employee-operation.component';

@NgModule({
  declarations: [
    AppComponent,
    LoginComponent,
    EmployeeComponent,
    UpdateEmployeeComponent,
    EmployeeOperationComponent
  ],
  imports: [
    BrowserModule,
    AppRoutingModule,
    ReactiveFormsModule,
    HttpClientModule,
    FormsModule,
  ],
  providers: [],
  bootstrap: [AppComponent],
})
export class AppModule {}
```

10. app.component.html:

```html
<div class="container">
  <br>
```

```html
    <h2 class="display-6,font-weight-bold">EVENT MANAGEMENT
APP</h2><br>
  <router-outlet></router-outlet>
</div>
```

11. app.component.css:

```css
.container {
    position: absolute;
    background-image: linear-gradient(purple, white);
    background-repeat: no-repeat;
    background-repeat: no-repeat;
    background-size: cover;
    min-width: 100%;
    min-height: 100%;
    font-family:sans-serif;


  }
```

12.   employee.service.ts:

```typescript
import { Injectable } from '@angular/core';
import { HttpClient } from '@angular/common/http';
import { Observable } from 'rxjs';
import { Employee } from './employee';
@Injectable({
  providedIn: 'root'
})
export class EmployeeService {

  constructor(public http:HttpClient) { }

  loadEmpData():Observable<Employee[]>{
    return
this.http.get<Employee[]>("http://localhost:3000/employees")
  }

  storeEmpData(employee:any):Observable<Employee>{
    return
this.http.post<Employee>("http://localhost:3000/employees",employee)
  }
```

```
  delete(id:any):Observable<any>{
    return
this.http.delete<any>("http://localhost:3000/employees/"+id);
  }


  updateEmp(id:any,employee:any):Observable<Employee>{
    return
this.http.put<Employee>("http://localhost:3000/employees/"+id,employ
ee);
  }


}
```

13. **employee.ts:**

```
export class Employee {
    constructor(public id:number,public first_name:string, public
last_name:string,public email:string){


    }
}
```

14. **app-routing.module.ts:**

```
import { NgModule } from '@angular/core';
import { RouterModule, Routes } from '@angular/router';
import { EmployeeOperationComponent } from
'./employee-operation/employee-operation.component';
import { EmployeeComponent } from './employee/employee.component';
import { LoginComponent } from './login/login.component';
import { UpdateEmployeeComponent } from
'./update-employee/update-employee.component';

const routes: Routes = [
  { path: '', component: LoginComponent },
  { path: 'employees', component: EmployeeComponent },
  { path: 'employee-operation', component:
EmployeeOperationComponent },
  { path: 'employee-update', component: UpdateEmployeeComponent },
];
```

```
@NgModule({
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule],
})
export class AppRoutingModule {}
```