GitHub Url:

<https://github.com/Ankithachainpur/Mphasis-Simplilearn-project.git>

Event-management Project:

Sprint 1:

1. Set up the Angular project:

* Install Angular CLI globally (if not already installed) by running the command: npm install -g @angular/cli
* Create a new Angular project using the CLI command: ng new event-management-app
* Navigate to the project directory: cd event-management-app
* Install Bootstrap: npm install bootstrap

1. Create the necessary components:

* Create the admin login component: ng generate component admin-login
* Create the employee list component: ng generate component employee-list
* Create the employee form component: ng generate component employee-form

1. Implement the admin login page:

* In the admin-login component, create a login form with fields for username and password.
* Implement validation for the login form using Angular's Form Validation.
* Upon successful login, allow the admin to change the password.

1. Set up JSON server for CRUD operations:

* Create a db.json file with the provided employee data.
* Run the JSON server using the command: npm run json-server.
* This will start a local server at http://localhost:3000 with RESTful endpoints for performing CRUD operations on employees.

1. Implement the employee list component:

* In the employee-list component, fetch the list of employees from the JSON server using the HttpClient module.
* Display the list of employees in a table format.

Sprint 2:

1.Implement the employee form component:

* In the employee-form component, create a form for adding and updating employee details.
* Implement form validation for all the input fields.
* Use the HttpClient module to send POST and PUT requests to the JSON server for creating/updating employee details.
* Upon successful submission, update the employee list in real-time.

2.Implement functionality for deleting employee details:

* Add a delete button to each employee row in the employee list component.
* Use the HttpClient module to send DELETE requests to the JSON server.
* Upon successful deletion, update the employee list in real-time.

1. Render the application as a Single Page Application (SPA):

* Configure Angular routing to navigate between the admin login, employee list, and employee form components.
* Set up the necessary routes in the app-routing module.
* Use Angular router directives (e.g., router-outlet, router-link) to render components based on the current route.

1. Apply styling using Bootstrap:

* Import Bootstrap styles in the global styles file (styles.css) or the component-specific styles files.
* Utilize Bootstrap classes to style the login form, employee list, and employee form components.

1. Test the application:

* Run the Angular development server using the command: ng serve.
* Access the application in a web browser at http://localhost:4200.
* Test the admin login, employee list, create/update/delete operations, and form validation.

1. Deploy the application:

* Build the production-ready version of the app using the command: ng build

--prod.

* Deploy the generated output files to a web server or a hosting platform of your choice.