Algorithm

Set up the Angular project:

➢ Install Angular CLI if not already installed.
➢ Create a new Angular project using the CLI command ng new event-management app.
➢ Navigate into the project directory using cd event-management-app.
➢ Open the project in your preferred code editor.

➢ Create the Admin Login page:

   ➢ Generate a new component for the login page using ng generate component login.
➢ Design the login form with fields for username and password.
➢ Implement form validation for the login form.
➢ Add a login button to submit the form.

Create a temporary database server:

   ➢ Create a JSON file to serve as the temporary database for employee details.
   ➢ Populate the JSON file with some sample employee data.
   ➢ Create the Employee List page:

➢ Generate a new component for the employee list page using ng generate component employee-list.
➢ Fetch the employee data from the temporary database using HTTP requests.
➢ Display the list of employees in a table format.
➢ Add buttons or links to perform CRUD operations on employee details.

Implement CRUD operations:

➢ Create a new component for creating and updating employee details using ng generate component employee-form.
➢ Design a form with appropriate fields for adding or editing employee details.

➤ Implement form validation for the employee form.
➤ Use HTTP requests to send the form data to the server and update the temporary database.
➤ Implement functionality to delete employee details.

Set up routing:

➤ Configure the routing module to define routes for login, employee list, and employee form components.
➤ Set the default route to the login page.
➤ Implement route guards to restrict access to the employee list and form pages without authentication.

Enhance the user interface:

➤ Use Bootstrap or other CSS frameworks to style the application and make it visually appealing.
➤ Add navigation links or buttons for easy navigation between pages.

Test the application:

➤ Test the application by running it locally using the Angular CLI command ng serve.
➤ Verify that the login functionality, employee list, and CRUD operations work as expected.
➤ Perform thorough testing to ensure the application is robust and user-friendly.

Deploy the application:

➤ Build the production-ready version of the application using the Angular CLI command ng build --prod.
➤ Deploy the built files to a hosting platform or server of your choice.