



Project Management System

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1. Abstract

This case study is designed to show the working of Project Management System. Here the backend of the application is expected to be developed in Node JS and data should be stored in MongoDB, Front end application will be developed in Angular that will be communicating with back end application.

2. Problem Definition

Develop a below given app using three component **RegistrationComponent** , **LoginComponent** , **HomeComponent** .

Task to do for **RegistrationComponent** :

1. Create Registration Form with form validation
2. OnSubmit check user is already exist or not
3. If exist show error message "UserName Exist" and reregister.
4. If new user POST user details to backend using HttpService and navigate to LoginComponent

Task to do for **LoginComponent** :

1. Create Login Form with form validation
2. OnSubmit check user is registered or not
3. If not-registered show error message "UserName Not Exist".
4. If registered user then navigate to HomeComponent

Task to do for **HomeComponent** :

Implement Routing:

- A. Project Details
 - i) Display list of projects
 - ii) Get specific project information through project-Id.
 - iii) Update project record
 - iv) Delete project record
- B. Logout
 - i) Navigate to Login



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3. Evaluation parameter

- Modular approach should be used in application development.
 - Router Module
 - Services
 - AuthGuard
 - Interceptors
- Should make use of interface in appropriate situation
- Application code should be reusable.
- Small method size not more than 10 to 15 lines of code.
- Show proper error message.
- Proper use of naming conventions.
- Optimized logic
- User Friendly GUI
- Accuracy in reports

5. Limitations

- Data should be stored in MongoDB
- Use Node JS for Backend.

Good Luck