
System Requirements Specification

Index

For

Learning Management System App

Version 1.0

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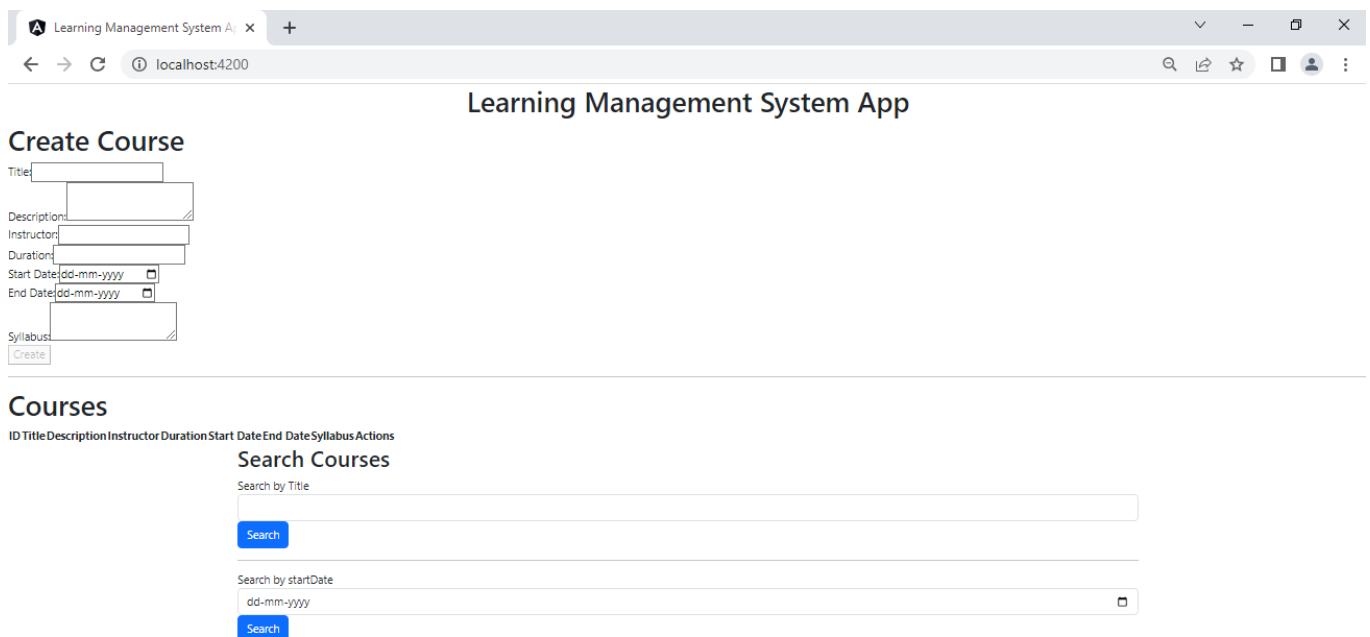
FRONTEND-ANGULAR SPA

1 PROBLEM STATEMENT

Learning Management System is SPA (Single Page Application), it allows to manage the courses with functionalities to create a new course, update an existing course, get detailed information, and search any particular course.

2. PROPOSED Learning Management System MANAGEMENT WIREFRAME

2. 1 HOME PAGE



The wireframe shows a web browser window with the title 'Learning Management System App'. The page is divided into two main sections. The top section is titled 'Create Course' and contains a form with the following fields: Title, Description, Instructor, Duration, Start Date (with a date picker), End Date (with a date picker), and Syllabus. A 'Create' button is at the bottom of the form. The bottom section is titled 'Courses' and features a table with columns: ID, Title, Description, Instructor, Duration, Start Date, End Date, Syllabus, and Actions. Below the table, there are two search filters: 'Search by Title' and 'Search by startDate'. Each filter has a text input field and a 'Search' button. The 'Search by startDate' filter also includes a date picker.

AFTER ADDING THE COURSES:

Learning Management System App

Create Course

Title

Description

Instructor

Duration

Start Date

End Date

Syllabus

Create

Courses

ID	Title	Description	Instructor	Duration	Start Date	End Date	Syllabus	Actions
6	Python	Python Training	Training	2 MOnths	Jul 6, 2023	Sep 6, 2023	Full Python Syllabus	<div>EditDelete</div>

Search Courses

Search by Title

Search

Search by startDate

dd-mm-yyyy

Search

ON CLICK UPDATE BUTTON:

Learning Management System App

Create Course

Title

Description

Instructor

Duration

Start Date

End Date

Syllabus

CreateUpdate

Courses

ID	Title	Description	Instructor	Duration	Start Date	End Date	Syllabus	Actions
6	Python	Python Training	Training	2 MOnths	Jul 6, 2023	Sep 6, 2023	Full Python Syllabus	<div>EditDelete</div>

Search Courses

Search by Title

Search

Search by startDate

dd-mm-yyyy

Search

3. BUSINESS-REQUIREMENT:

As an application developer, develop the Learning Management System App (Single Page App) with below guidelines:

User Story #	User Story Name	User Story
US_01	Home Page	As a user I should be able to visit the home page as default page, where I can see a form to create or update the course, list of all courses with options to edit and delete any course and in the last two should be a form to search any course on its title or start date criteria.
US_01	Home Page	<p>As a user I should be able to see the homepage and perform all operations:</p> <p>Acceptance criteria:</p> <ol style="list-style-type: none">As a user I should be able to furnish the following details at the time of creating the course.<ol style="list-style-type: none">TitleDescriptionInstructorDurationStart dateEnd dateSyllabusCreate button should be disabled until all fields are validated.Update button should be displayed when you click on the Edit button.Title, Description, Instructor, Duration, Start date fields are mandatory. If any of these field is missing or if any constraint is not satisfied then must show a message.Form control names should be case sensitive and they should be like as follows: title description instructor duration startDate

		endDate
		syllabus

4. EXECUTION STEPS TO FOLLOW FOR FRONTEND

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) -> Terminal ->New Terminal.
3. This is a web-based application, to run the application on a browser, use the internal browser in the environment.
4. You can follow series of command to setup Angular environment once you are in your project-name folder:
 - a. npm install -> Will install all dependencies -> takes 10 to 15 min
 - b. npm run start -> To compile and deploy the project in browser. You can press <Ctrl> key while clicking on localhost:4200 to open project in browser -> takes 2 to 3 min
 - c. npm run test -> to run all test cases. **It is mandatory to run this command before submission of workspace -> takes 5 to 6 min**
5. You need to use **CTRL+Shift+B** - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.