

MACHINE TEST TASK FOR REACT DEVELOPER:

Core Responsibilities:

1. UI/UX Designing

Mandatory to Follow This Technology:

Tech: React JS

State Management: RTK Query

Project Overview:

The application should allow users to create courses, organize them into chapters and topics, map courses to chapters and topics, and implement a forum module for course discussions.

Task Details:

1. User Authentication:

- Implement user authentication using Social Media. Users should be able to register, login, and logout.

Steps to be followed:

- i) Social Media Signin/Signup (Google, GitHub)

2. Course Creation:

- Users should be able to create new courses with details such as title, description, duration, and category. **(Kindly refer the first Image for Course creation.)**

3. Chapter and Topic Creation:

- Users should be able to create chapters within courses.
- Each chapter should contain topics or lessons.
- Topics should include a title, description, content, and attachments (if any).
- Make the Topic adding row dynamic, with a default of one row. Include a "+" icon to add multiple rows.

(Kindly refer to the second image below for Chapter and Topic.)

4. Course Mapping:

- Implement functionality to map courses to chapters and topics.
- Users should be able to associate courses with specific chapters and topics.

5. Forum Module:

- Create a forum module for course discussions.
- Users should be able to create new discussion topics within courses.
- Implement functionality for users to comment on discussion topics and reply to comments.

Steps to be followed:

- i) course based forum discussion

- ii) course based post, video/image
- iii) Comment and reply like a Facebook

Like/unlike for

- i)post
- ii)comment
- iii)Reply

6. Additional Functionality:

- Implement CRUD operations for courses, chapters, topics, and forum discussions.
- Ensure proper validation and error handling throughout the application.
- Implement pagination for listing courses, chapters, topics, and forum discussions.

Task Instructions:

1. Design the Mock schema considering the relationships between courses, chapters, topics, and discussions.
2. Implement the frontend using React.js for user interaction and views.
3. Ensure responsive design and user-friendly interfaces.
4. Test the application thoroughly, covering all functionality.
5. Provide clear documentation for setting up and running the application.
6. Make the Course adding row dynamic, with a default of one row. Include a "+" icon to add multiple rows.
7. The fields on the second screen can be moved to one subcategory and then to another category. However, restricting the movement of one category to another subcategory is necessary. (Draggable)
8. Should restrict adding duplicate courses?
9. Include a confirmation pop-up before saving the data.
10. After saving data, redirect the user to another page with data-table to view and edit data
11. Implement the data-table (mandatory) with search, export to csv and pdf options

Submission Guidelines:

1. Fork the repository provided and commit your changes to your GitHub repository.
2. Include detailed documentation explaining the project structure, setup instructions, and any additional information required to run the application.
3. Submit the GitHub repository link and any other relevant documentation.

My app - sale

http://192.168.1.1/myapp/sale/

LOGO

Home

My Courses

Settings

Profile

Help

Sign out

My Courses / Create new course

1 Course Information & FAQ

2 Upload Course Materials

3 Pricing

4 Publish

Preview

Course Information

Title

e.g. Introduction to Data Analysis

Category

Data Management

Level

Basic

Description

0/2000 Characters

Frequently Asked Questions

e.g. Do you offer 1 on 1 calls

e.g. Yes at a fixed cost per call

Save As Draft

Save & Continue

Cover Image

Upload

Sales Video

Upload

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My app - sale

← → ↻ http://192.168.1.1/myapp/sale/

Course

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▼

Chapter

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▼

≡ Topic

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▼

≡ Course Content (Default)

Default

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≡ Topic 2

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≡ Topic 3

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≡ Topic 7

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Chapter 2

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≡ Topic

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≡ Course Content (Default)

Default

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≡ Topic 2

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