

QUIZ APP

IIHT

Time To Complete: 10 to 12 hr

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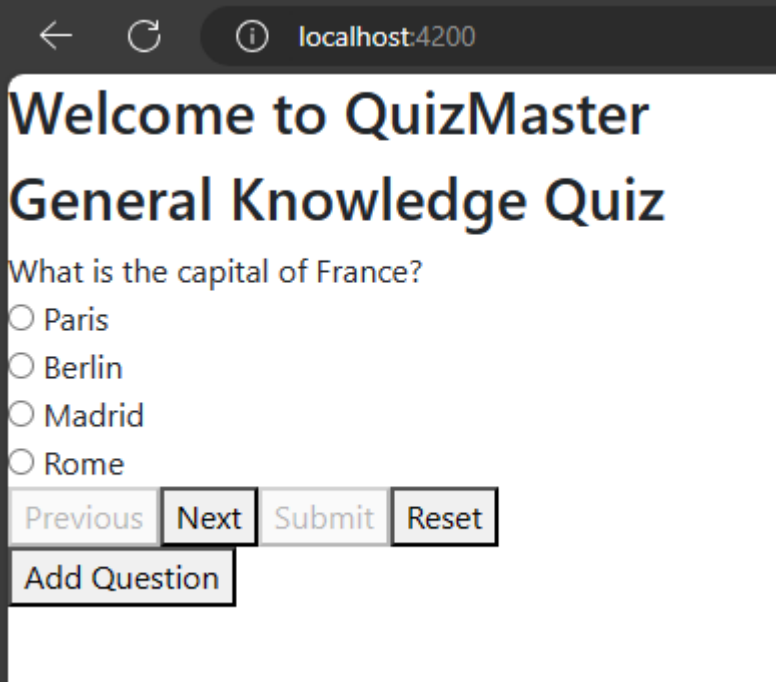
1 PROBLEM STATEMENT

Quiz App is SPA (Single Page Application) allows users to take a quiz on many & different questions. Users can go to the next question, previous question, even reset the quiz and add a new question also.

2 PROPOSED QUIZ APP WIREFRAME

UI needs improvisation and modification as per given use case and to make test cases passed.

2.1 WELCOME PAGE



A screenshot of a web browser displaying the 'Welcome to QuizMaster' page. The browser's address bar shows 'localhost:4200'. The page title is 'General Knowledge Quiz'. The first question is 'What is the capital of France?'. Below the question are four radio button options: Paris, Berlin, Madrid, and Rome. At the bottom of the question area are four buttons: 'Previous', 'Next', 'Submit', and 'Reset'. Below these buttons is an 'Add Question' button.

← ↻ ⓘ localhost:4200

Welcome to QuizMaster

General Knowledge Quiz

What is the capital of France?

☐ Paris

☐ Berlin

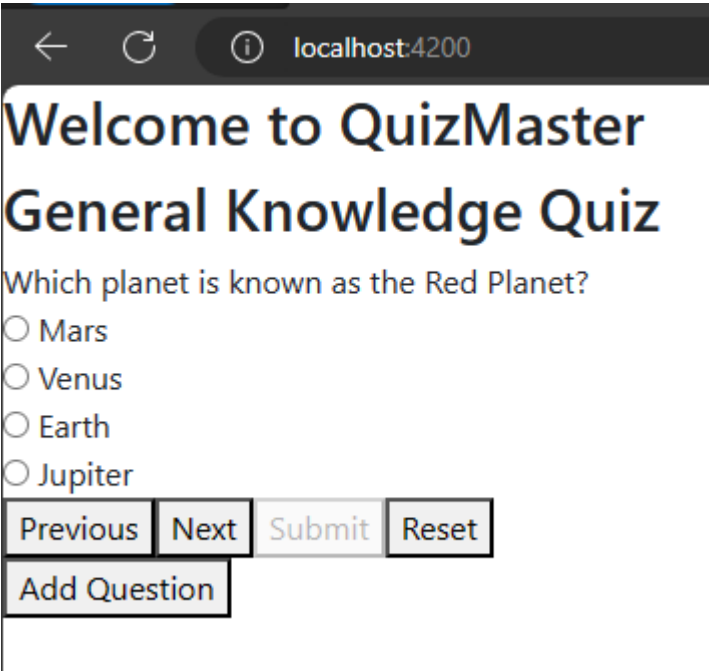
☐ Madrid

☐ Rome

Previous Next Submit Reset

Add Question

2.2 SCREENSHOTS



A screenshot of a web browser displaying the 'Welcome to QuizMaster' page. The browser's address bar shows 'localhost:4200'. The page title is 'General Knowledge Quiz'. The first question is 'Which planet is known as the Red Planet?'. Below the question are four radio button options: Mars, Venus, Earth, and Jupiter. At the bottom of the question area are four buttons: 'Previous', 'Next', 'Submit', and 'Reset'. Below these buttons is an 'Add Question' button.

← ↻ ⓘ localhost:4200

Welcome to QuizMaster

General Knowledge Quiz

Which planet is known as the Red Planet?

☐ Mars

☐ Venus

☐ Earth

☐ Jupiter

Previous Next Submit Reset

Add Question

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localhost:4200

Welcome to QuizMaster

General Knowledge Quiz

Which planet is known as the Red Planet?

☐ Mars

☐ Venus

☐ Earth

☐ Jupiter

Previous

Next

Submit

Reset

Add Question

Add New Question

Question:

Option 1:

Option 2:

Option 3:

Option 4:

Correct Answer (Index):

0

Add

Cancel

← ↻ ⓘ localhost:4200

Welcome to QuizMaster

General Knowledge Quiz

What is the capital of France?

☐ Paris
☐ Berlin
☐ Madrid
☐ Rome

Previous Next Submit Reset

Add Question

3 BUSINESS-REQUIREMENT:

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

User Story #	User Story Name	User Story
US_01	Welcome Page	<p>As a user I should be able to visit the welcome page as default page.</p> <p>Acceptance criteria:</p> <ol style="list-style-type: none"> 1. Should be able to see questions with buttons to move ahead, go to previous questions, reset questions, submit a quiz and a button to add a new question. 2. In start, Submit and Previous should be disabled by default. 3. Only when we select any option and move to next question, only then Submit button should be enabled. 4. When we are adding a question, Add button should be disabled by default. It should have a Cancel button also.

4 CONSTRAINTS

1. You should be able to press the “TAB” key and “SHIFT + TAB” to navigate from top field to bottom field and vice-versa.
2. On clicking the “Add Question” button, the form with fields should open to add new question.
3. That form must have Question, Option 1, Option 2, Option 3, Option 4, Correct Answer (Index) should be there.

5 MANDATORY ASSESSMENT GUIDELINES

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 editor Auto Saves the code.
4. If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
5. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.
6. This is a web-based application, to run the application on a browser, use the internal browser in the workspace. Click on the second last option on the left panel

of IDE, you can find Browser Preview, where you can launch the application.

Note: The application will not run in the local browser

7. 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
8. You may also run “`npm run jest`” while developing the solution to re-factor the code to pass the test-cases.
9. Once you are done with development and ready with submission, you may navigate to the previous tab and submit the workspace. It is mandatory to click on **“Submit Assessment”** after you are done with code.
10. 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.