

Project Documentation:

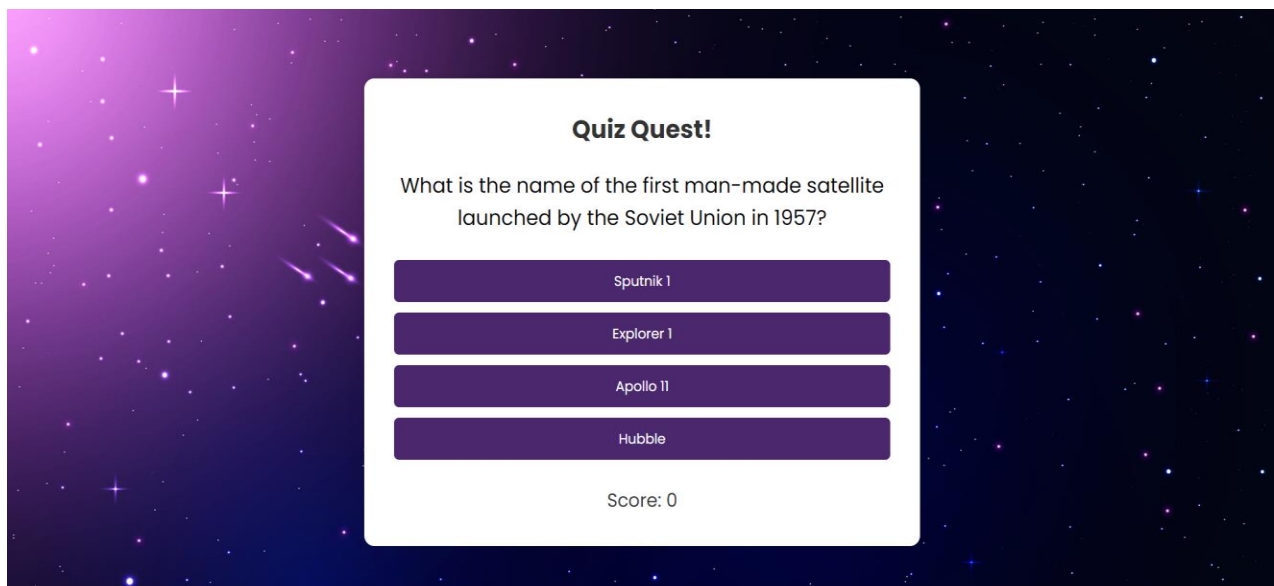
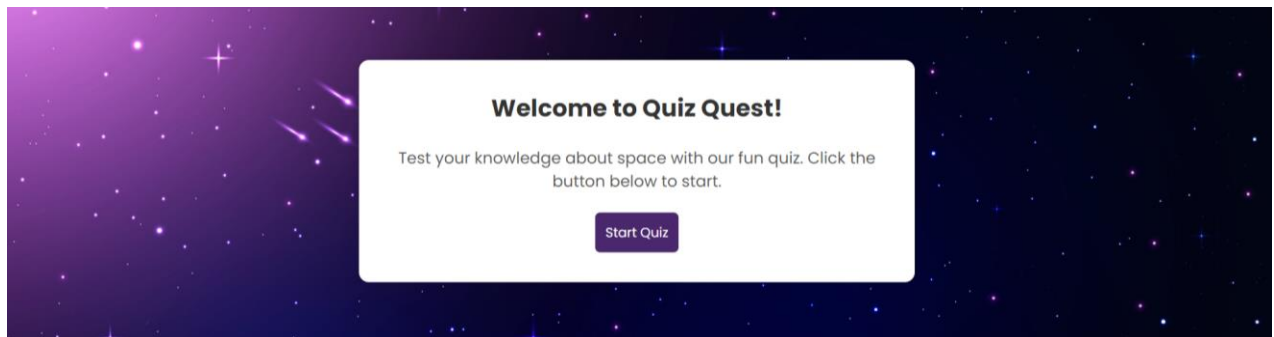
Week 3 – Task 1:

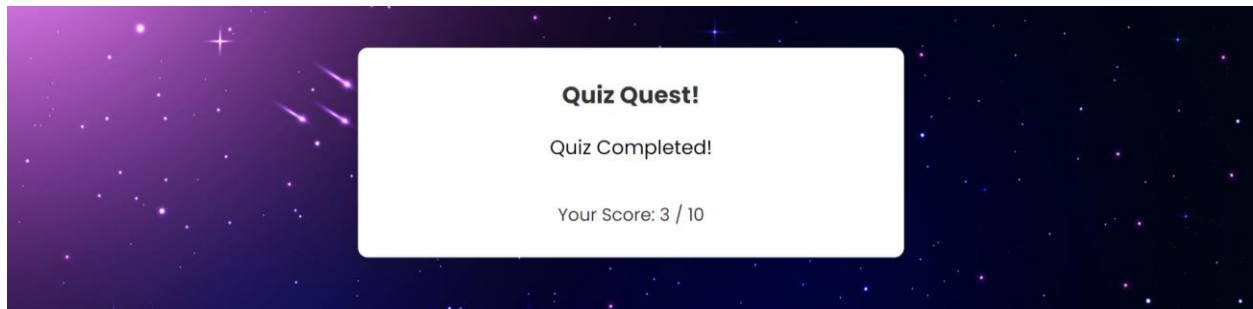
Quiz Application

Submitted By: Zara Khan

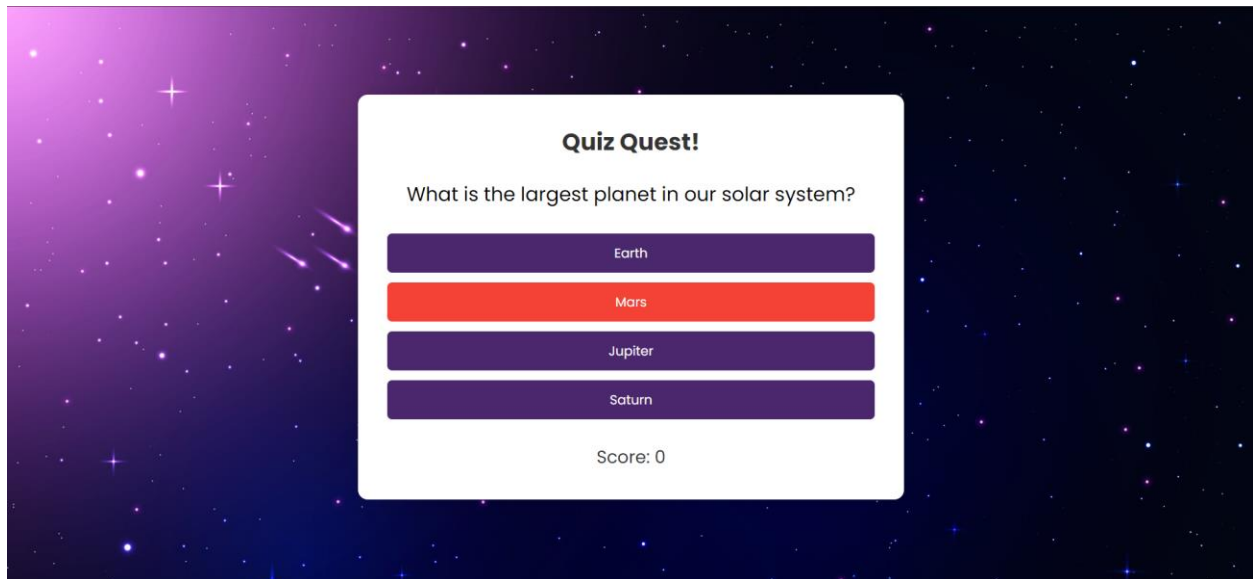
Submitted To: A&D Tech

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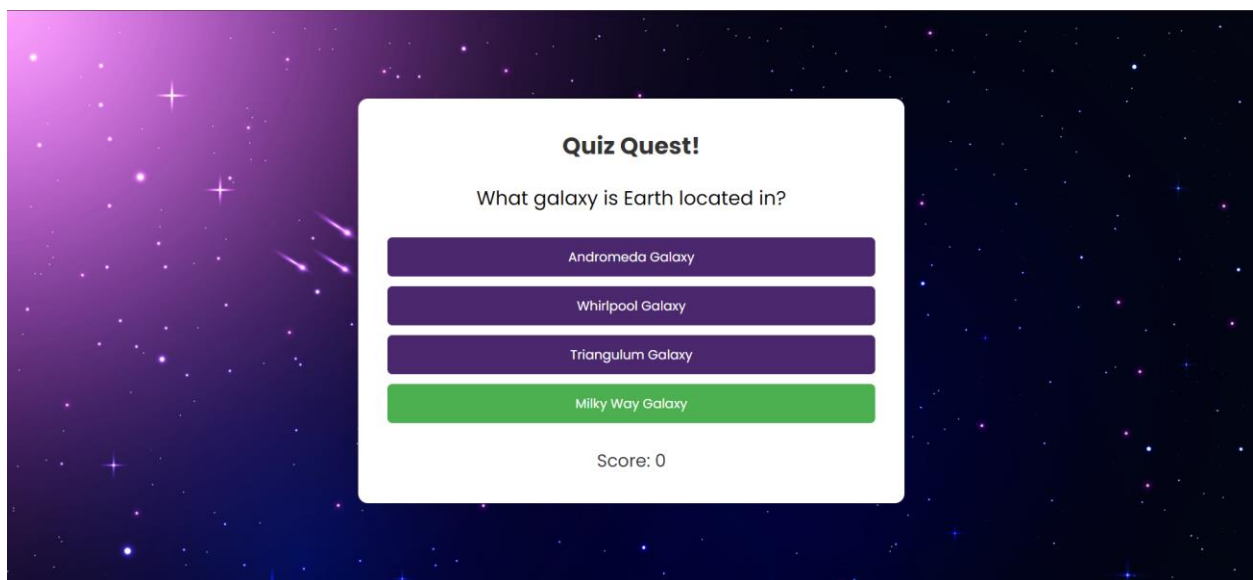




CASE: Wrong Answer



CASE: Right Answer



Problem Statement

Develop a single-page quiz application that presents multiple-choice questions and provides immediate feedback to users. This project will strengthen your skills in JavaScript, especially in managing events, manipulating the DOM, and maintaining the application's state.

Solution Overview

I developed the Quiz App with a structured layout featuring a welcome screen, quiz screen, and results screen. The welcome screen includes a brief introduction and a "Start Quiz" button. The quiz screen dynamically displays questions and options, providing instant feedback on user selections. The results screen shows the final score and offers a "Retry Quiz" option. The app is spaced-theme with centered content, modern styling, and smooth user interactions managed by JavaScript.

Challenges and Resolutions

Challenge: Displaying Feedback Colors

- Initial Issue: Ensuring the correct answer button turned green and the wrong answer button turned red when selected was challenging.
- Approach: I tried various CSS techniques and JavaScript logic to dynamically update button styles based on user input.
- Resolution: Successfully implemented feedback colors by using JavaScript to add and remove CSS classes for correct and wrong answers.

Instructions

Setting Up the Project

1. Download the Project Files:

- Clone the repository from GitHub.
- Alternatively, download the project zip file and extract it to your local machine.

2. Open in Visual Studio Code (VS Code):

- Launch VS Code.
- Open the entire project folder using File > Open Folder.

Running the Project

3. Navigate to the Main Page:

- In the VS Code sidebar, locate and open QuizApp.html.

4. Solving the Quiz:

- Click on “Start Quiz” and answer 10 questions. In the end, you can see your total score and an option to retry the quiz if you want.

5. Testing Responsiveness:

- Use VS Code's built-in preview or open the website in different browsers and devices to ensure responsiveness.