**Interactive Quiz Application - Report**

This report provides a detailed solution to the creation of the **Interactive Quiz Application**. The application aims to challenge users’ memory skills by using mnemonic devices and offering an engaging, educational experience.

**Textual Description**

The **Interactive Quiz Application** was developed to provide users with a responsive and intuitive platform to test their knowledge on mnemonic devices. The key features of the app include:

1. **Multiple-Choice Questions**: The quiz consists of 10 questions, each with four answer options, one of which is correct.
2. **Instant Feedback**: After each selection, users are immediately informed whether their answer was correct.
3. **Dynamic Scoring**: As users progress through the quiz, their score is updated in real-time based on the number of correct answers.
4. **Leaderboard**: After completing the quiz, the user’s score is compared against the top players, with the leaderboard showcasing the top five scores.
5. **Responsive Design**: The application uses **Bootstrap** to ensure it works well on both desktop and mobile devices, adjusting layouts and interfaces for different screen sizes.

**Screenshots of the Application**

(Here, include screenshots showing the app’s interface, such as the Start Screen, Question Screen, and Results Screen.)

* **Start Screen**: Shows the quiz title, a "Start" button, and brief details about the quiz, such as the number of questions and the timer settings.
* **Question Screen**: Displays the current question along with multiple-choice options. The "Next" button is activated once an answer is selected.
* **Results Screen**: After completing the quiz, users see their total score, a breakdown of correct and incorrect answers, and the leaderboard.

The screenshots below demonstrate the app's flow from one screen to another, showing the seamless interaction and user-friendly design.





