# Abstract

The Quiz App project is a web-based application designed to offer users an interactive platform for participating in quizzes across various categories. The application allows users to customize their quiz sessions by selecting the number of questions, choosing specific categories, setting difficulty levels, and specifying time limits per question. Utilizing dynamic quiz generation, the app fetches quiz questions from an external API, ensuring a diverse and up-to-date pool of quiz content. Users receive real-time feedback on their answers, with correct and incorrect responses highlighted visually. The application features an intuitive and interactive interface with elements such as timers, progress bars, and question counters to enhance user engagement. At the end of the quiz, users receive their final score along with the total number of questions attempted, encouraging continuous learning and engagement.