Abstract

In the current digital learning and assessment environment, a significant gap exists in delivering tailored, scalable, and secure online test solutions for both individual learners and organizations. Most existing platforms provide personalized question banks, error handling, and customizable test environments. However, the diversified nature of the academics restricted the service provider to provide customized solutions, which has its own scope and purpose. Therefore, missing the generic approach to conduct the online test with variations of question types, evaluation schemes and related assessment. Furthermore, managing large question banks introduces common issues such as question duplication and incorrect classification, which diminish the reliability of the platform. Additionally, there is a growing need for robust test analytics to assess user performance in real-time.

In this project, seeks to design an adaptable, scalable, and secure online test portal that not only provides a rich user experience for individual learners but also offers organizations the ability to conduct private, customized assessments with full administrative control over their data.

Keywords