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PROJECT ID	1
PROJECT TITLE	ASSESSMENT PLATFORM
STACK	PYTHON STACK

Introduction:

The assessment interface is designed to provide a comprehensive evaluation experience by incorporating multiple question formats, including multiple-choice questions (MCQs), short answer questions, and matching type questions. This variety ensures a thorough assessment of different knowledge areas and cognitive skills. Additionally, the interface features a built-in compiler, allowing for real-time coding exercises and immediate feedback on programming tasks. This combination of question types and interactive features is aimed at enhancing the learning experience, ensuring students are tested not only on their theoretical knowledge but also on their practical problem-solving abilities.

Scope of Project :

1.Question Formats:

- Multiple-Choice Questions (MCQs): Implement a module for creating, displaying, and automatically grading MCQs.
- Short Answer Questions: Develop a feature to allow students to input short answers with a mechanism for manual or automated grading.

- Matching Questions: Create a system for generating and grading matching type questions.

2.Compiler Integration:

- Real-Time Coding Exercises: Integrate a compiler to enable students to write and test code within the assessment interface.
- Immediate Feedback: Provide instant feedback on coding tasks to facilitate learning and improvement.

3.User Interface and Experience:

- Intuitive Design: Develop a user-friendly interface that is easy to navigate for both students and educators.
- Responsive Layout: Ensure the interface is accessible across various devices, including desktops, tablets, and smartphones.

4.Administration and Analytics:

- Question Bank Management: Allow educators to create, store, and organize a bank of questions for repeated use.
- Performance Analytics: Implement tools to analyze student performance, track progress, and identify areas for improvement.

5.Security and Accessibility:

- Data Security: Ensure that all student data and assessment results are securely stored and transmitted.
- Accessibility Compliance: Design the interface to be accessible to users with disabilities, adhering to relevant standards and guidelines.

USERS :

The assessment interface features two distinct user roles: Admin and User, each with specific privileges and functionalities.
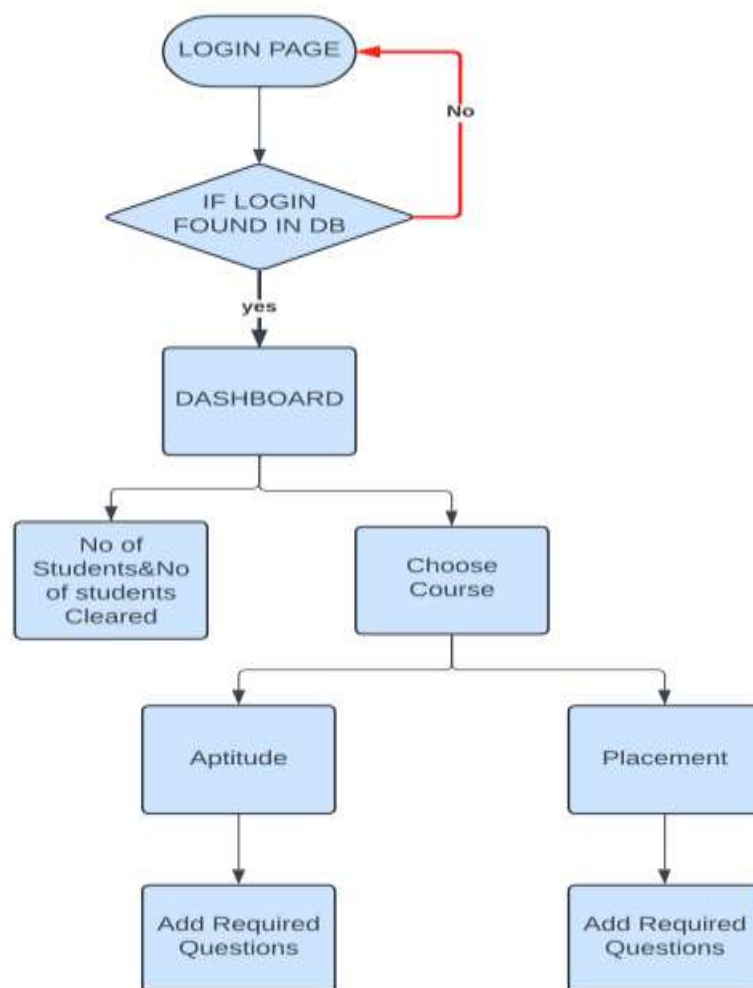
ADMIN :

 The Admin role, endowed with high-level privileges, allows users to add new questions to the question bank and view detailed analytics, including the number of students enrolled and other relevant metrics.

USER:

The User role is designed for students who can book available test slots and select courses that fit within their schedules. If a User's selected course timing matches a booked slot, they are then able to take the test. This structure ensures a streamlined and organized process for both administering and participating in assessments.

FLOW CHART :

1. ADMIN:

2. USER: