Assignment No 4

Advanced Database System Lab(5CS372)

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Problem Statement:

Design and implement a system for managing online multiple-choice tests.

• React JS:

- React is a popular JavaScript library used for web development.
- React.js or ReactJS or React are different ways to represent ReactJS.
- Today's many largescale companies (Netflix, Instagram, to name a few) also use React JS.
- React.js is a front-end JavaScript framework developed by Facebook. To build composable user interfaces predictably and efficiently using declarative code, we use React.
- It's an open-source and component-based framework responsible for creating the application's view layer.
- ReactJs follows the Model View Controller(MVC) architecture, and the view layer is accountable for handling mobile and web apps.
- React is famous for building single-page applications and mobile apps.

• MySQL:

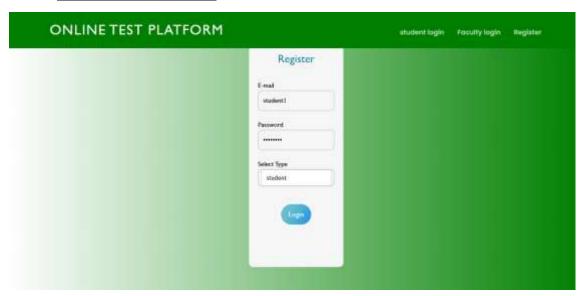
- MySQL, the most popular Open Source SQL database management system, is developed, distributed, and supported by Oracle Corporation.
- Node. Js and MySQL are some of the necessary binding needed for any web application.
- MySQL is one of the most popular open-source databases in the world and efficient as well.
- Almost every popular programming language like Java and PHP provides drivers to access and perform operations with MySQL.

Landing Page / HomePage:



Registration Page:

1. Registering as Student:



2. Registering as Faculty:



Login In as Faculty:



Adding an Quiz:



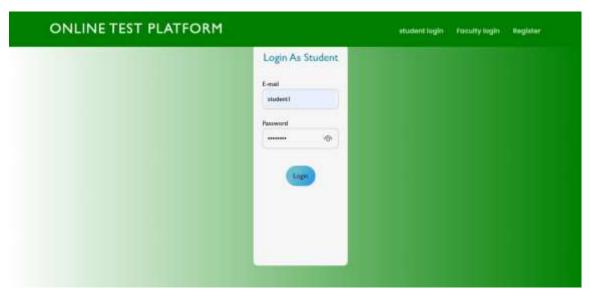
Quiz Added Successfully:



Adding Question in a Quiz:



Login as Student:



Home Page for Student:



Online Quiz Platform:



Conclusion:

From this Assignment I learnt how to manage User levels at different role. How to give authentication and implementation of Quiz using React js and MySQL.