



Instructor UI

The Instructor UI allows an instructor to sign up or sign in to an existing account with instructor privileges. Through the UI, an instructor will have access to course creation, course analytics, and question making tools.

Question I/O

The Question I/O component processes text input from instructors and sends it to the server along with the correct answer that is specified.

Server

The server component acts as the central hub for all interactions between the various components of the InstaQuiz system. It receives data from the Question I/O and Answer Input components, stores the data in the database, and processes user authentication requests from the Authentication component. Additionally, the server communicates with the Result Analysis component to provide real-time feedback to the instructor and students.



Database

Authentication

The authentication component verifies that the user logs into the system with valid account credentials.

Student UI

The student UI allows a student to sign up or sign in to an existing account with student privileges. Through the UI, a student will have access to course enrollment, answer submission, and user history features.

Answer Input

The Answer Input component is responsible for receiving input from the user in response to a question. The info is sent to the server.

Result Analysis

The Result Analysis component is responsible for analyzing the data collected by the Server component during a class session. It receives the session data from the server and processes it to provide statistics and insights about the students' responses.

