

## EXPERIMENT.NO: 6

Draw a Use case diagram to model for a quiz system. A user can request a quiz for the system. The system picks a set of questions from its database, and composes them together to make a quiz. It rates the user's answers and gives hints if the user requests it. In addition to users, we also have helpers who provide questions and hints. And also, administrators who must certify questions to make sure they are not too trivial, and that they are correct.

### Aim:

To design a use case diagram for a Quiz System that models the interactions between users, helpers, and administrators, including functionalities like requesting quizzes, providing questions, certifying questions, and offering hints.

### Procedure:

1. Identify the actors: **User**, **Helper**, and **Administrator**.
2. Define the use cases: Request Quiz, Take Quiz, Rate Answers, Provide Hints, Provide Questions, Certify Questions.
3. Establish relationships: User interacts with the system to take quizzes and request hints, Helper provides questions and hints, and Administrator certifies questions.
4. Validate the flow: User requests quiz → System composes quiz → User takes quiz → System rates answers → Helper provides hints → Administrator certifies questions.
5. Ensure all functionalities are represented in the use case diagram.

### Output:



**Result:**

A Use Case Diagram for the quiz system includes actors: User, Helper, and Administrator. The User can request a quiz, receive hints, and get answers rated. Helpers provide questions and hints, while Administrators certify questions for correctness and appropriateness. The system composes quizzes, rates answers, and manages question certification.