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**, illustrating user interactions and system functionalities, including quiz generation, answering, rating, hint requests, and question management.

PROCEDURE:

☐ **Identify Key Actors:**

- **User**: Requests quizzes, answers questions, and asks for hints.
- **Helper**: Provides questions and hints.
- **Administrator**: Certifies questions for correctness and difficulty.
- **System**: Handles quiz generation, evaluation, and hint requests.

☐ **Identify Use Cases:**

- **For User**:
  - o Request a quiz.
  - o Answer questions.
  - o Request hints.
  - o Receive quiz results.

- **For Helper**:
  - o Provide questions.
  - o Provide hints.

- **For Administrator**:
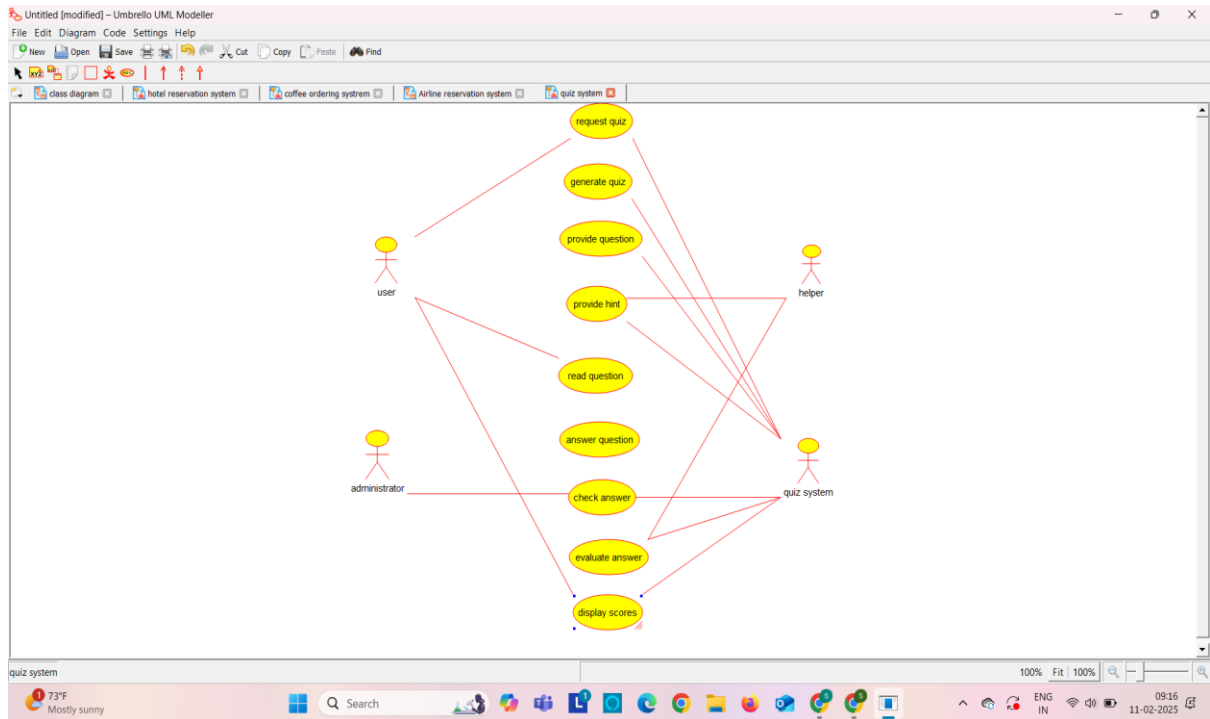 - o Certify questions for correctness and difficulty.

☐ **Define Relationships:**

- **User** interacts with the quiz system to request and answer quizzes.
- **System** composes quizzes and rates answers.

- **Helper** provides content to the system.

- **Administrator** certifies content before use.

OUTPUT:

Usecase diagram

RESULT:
A **Use Case Diagram** for the **Quiz System** was successfully created, representing the interactions between users, helpers, administrators, and the quiz system.