Experiment: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.
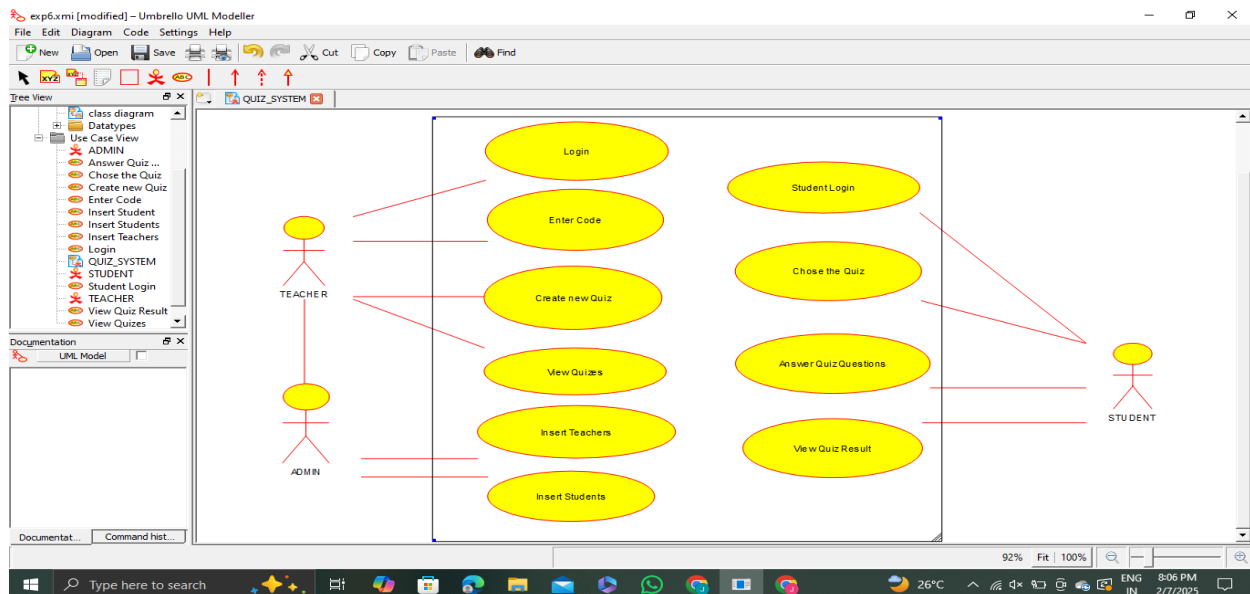
Aim:

To design a Use Case Diagram for a Quiz System, modeling interactions between users, helpers, administrators, and system functionalities.

Procedures:

1. Identify actors: User, Helper, and Administrator.
2. Define use cases like Request Quiz, Answer Questions, Get Hints, Provide Questions, and Certify Questions.
3. Establish relationships between actors and use cases using associations.
4. Use "extend" and "include" relationships where necessary.
5. Draw the Use Case Diagram representing all actors, use cases, and their interactions.

Use Case Diagram:

Result:

The Use Case Diagram for the Quiz System was successfully developed, representing interactions of users, helpers, and administrators with the system.