

# **Online Examination System – Secure Auto-Grading & Result Portal**

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## USE CASE DIAGRAM

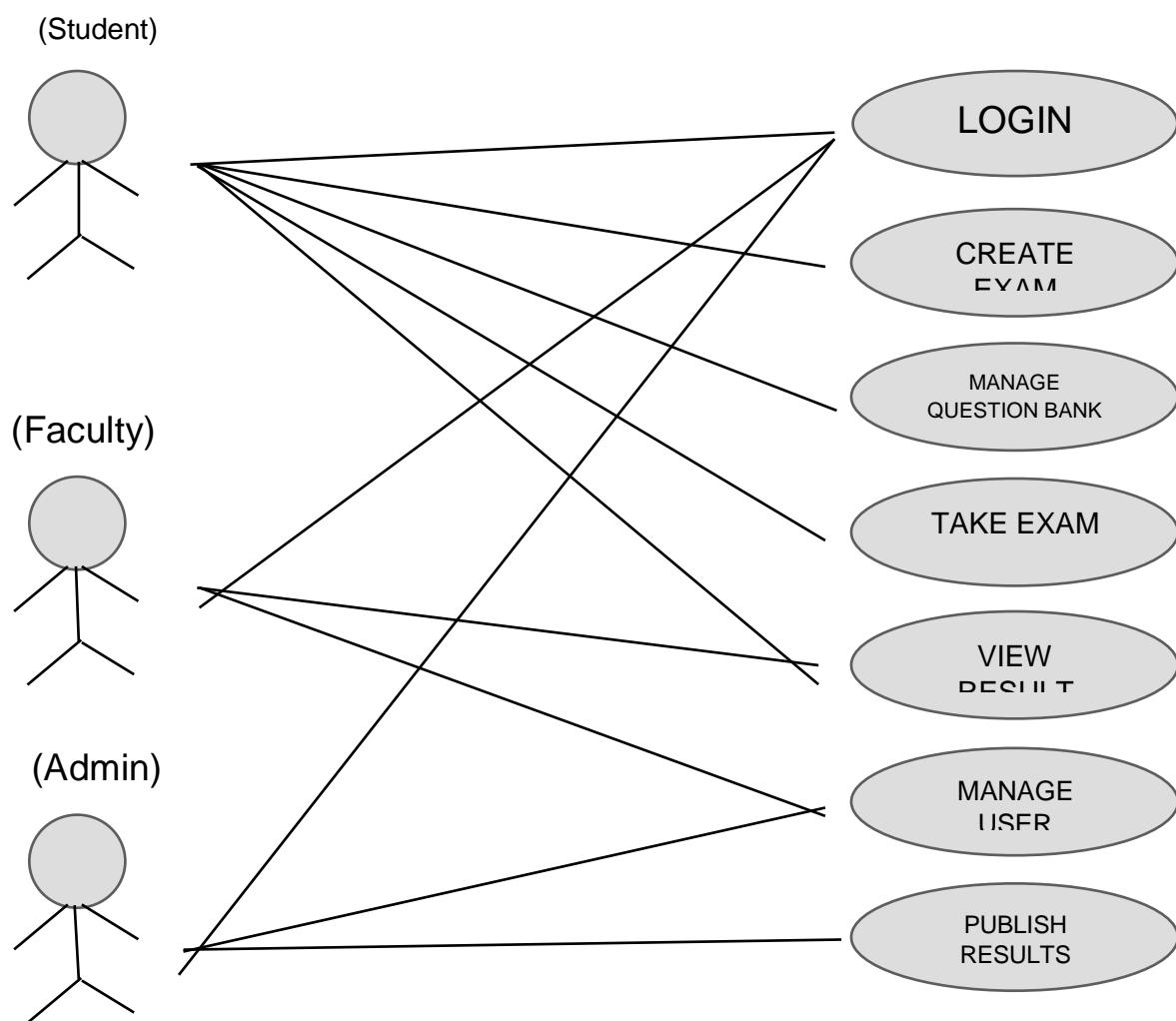


FIG 1.1(Use Case Diagram)

## CLASS DIAGRAM

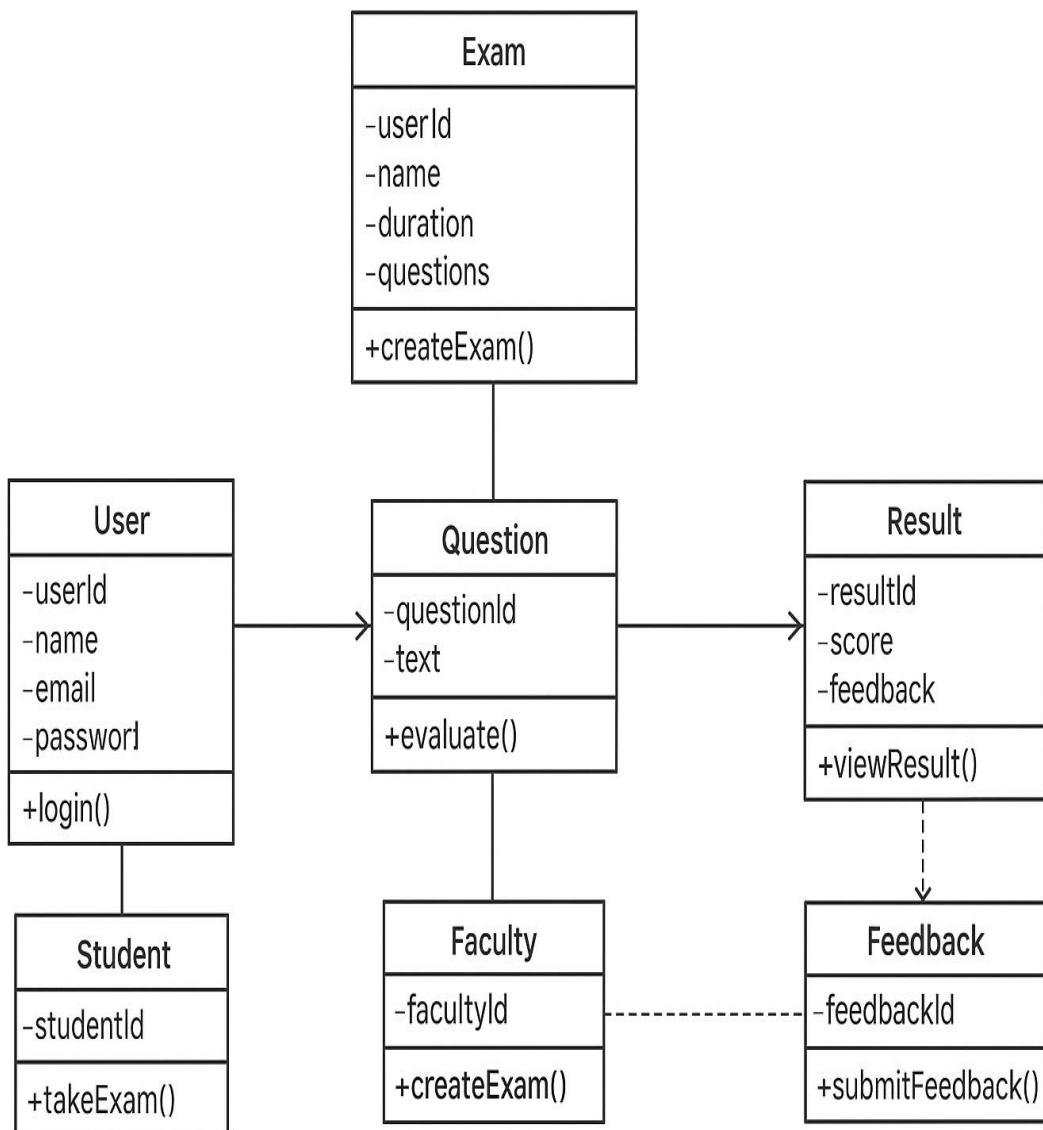
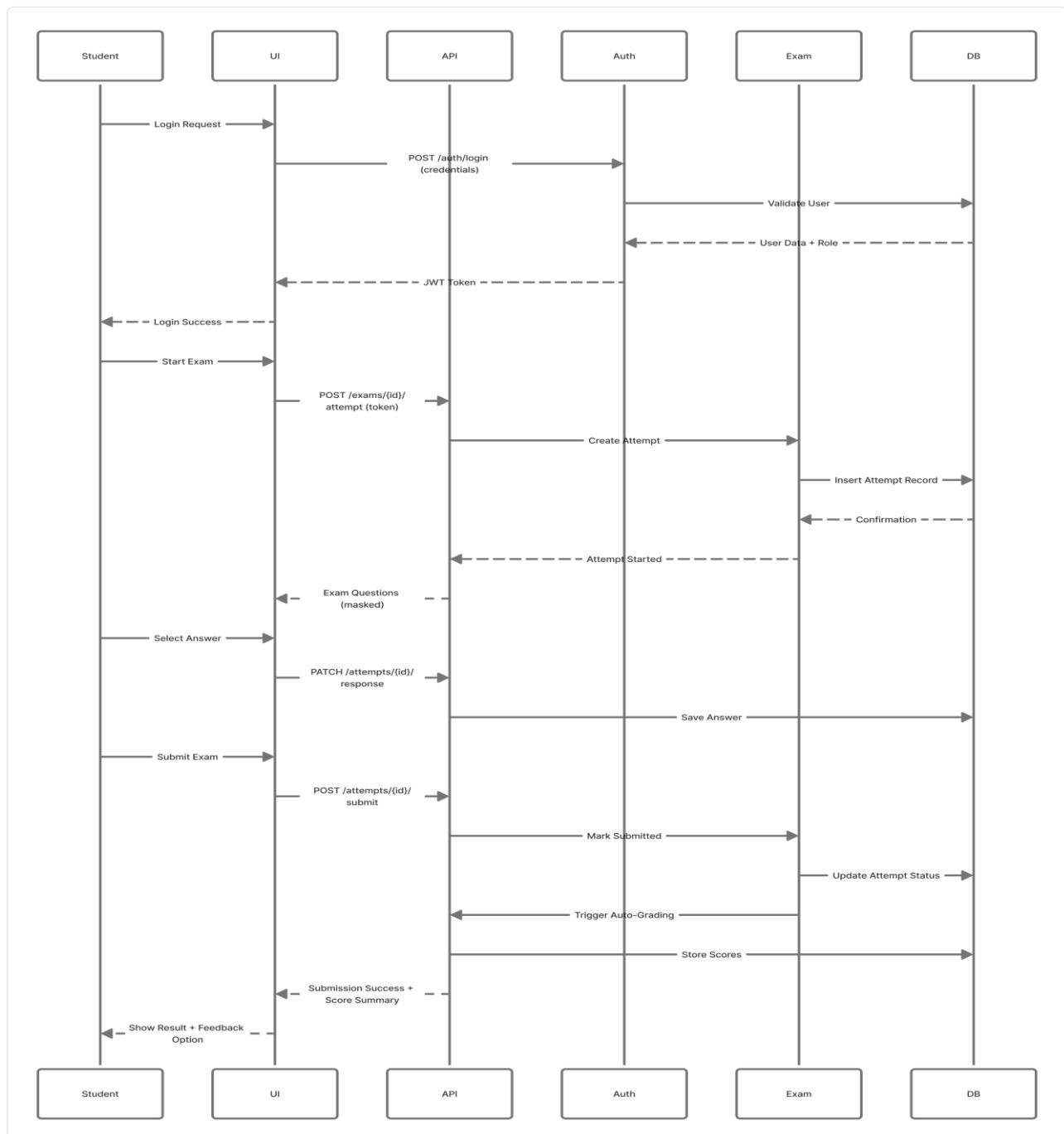


FIG 1.2(Class Diagram)

## INTERACTION DIAGRAM



**FIG 1.3(Interaction Diagram)**

## ER DIAGRAM

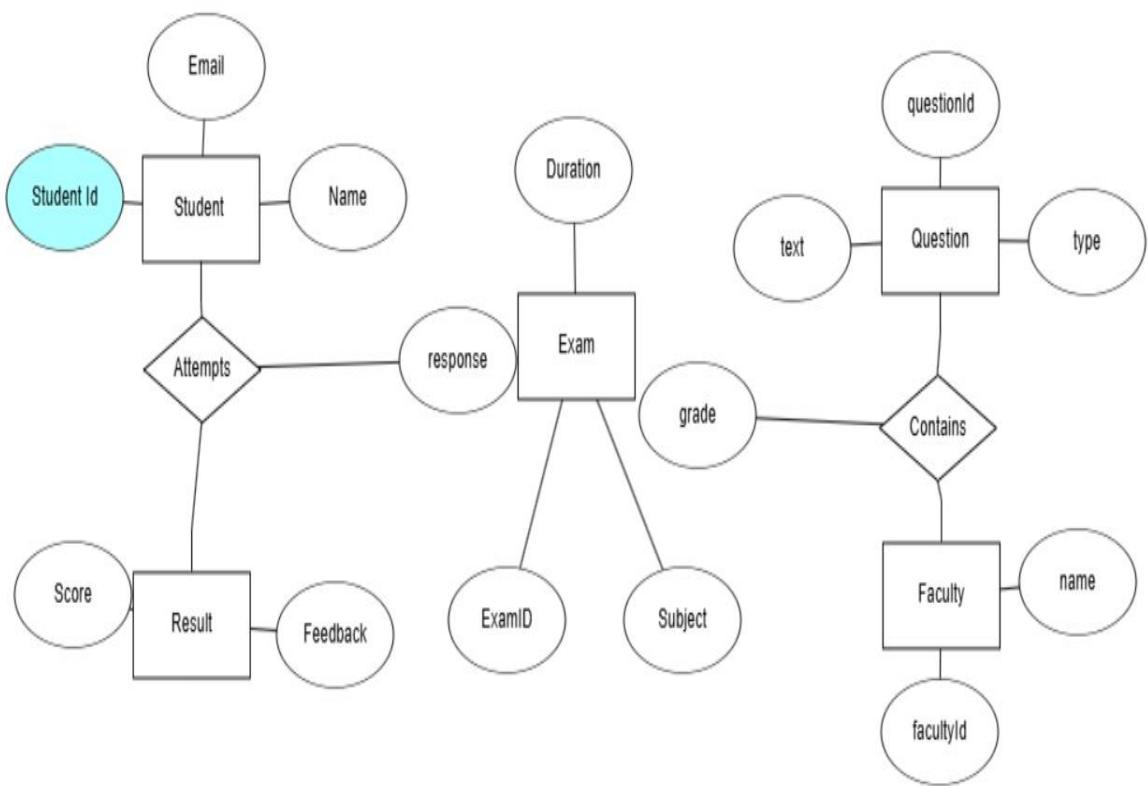


FIG 1.4(ER Diagram)

## SCHEMA DIAGRAM

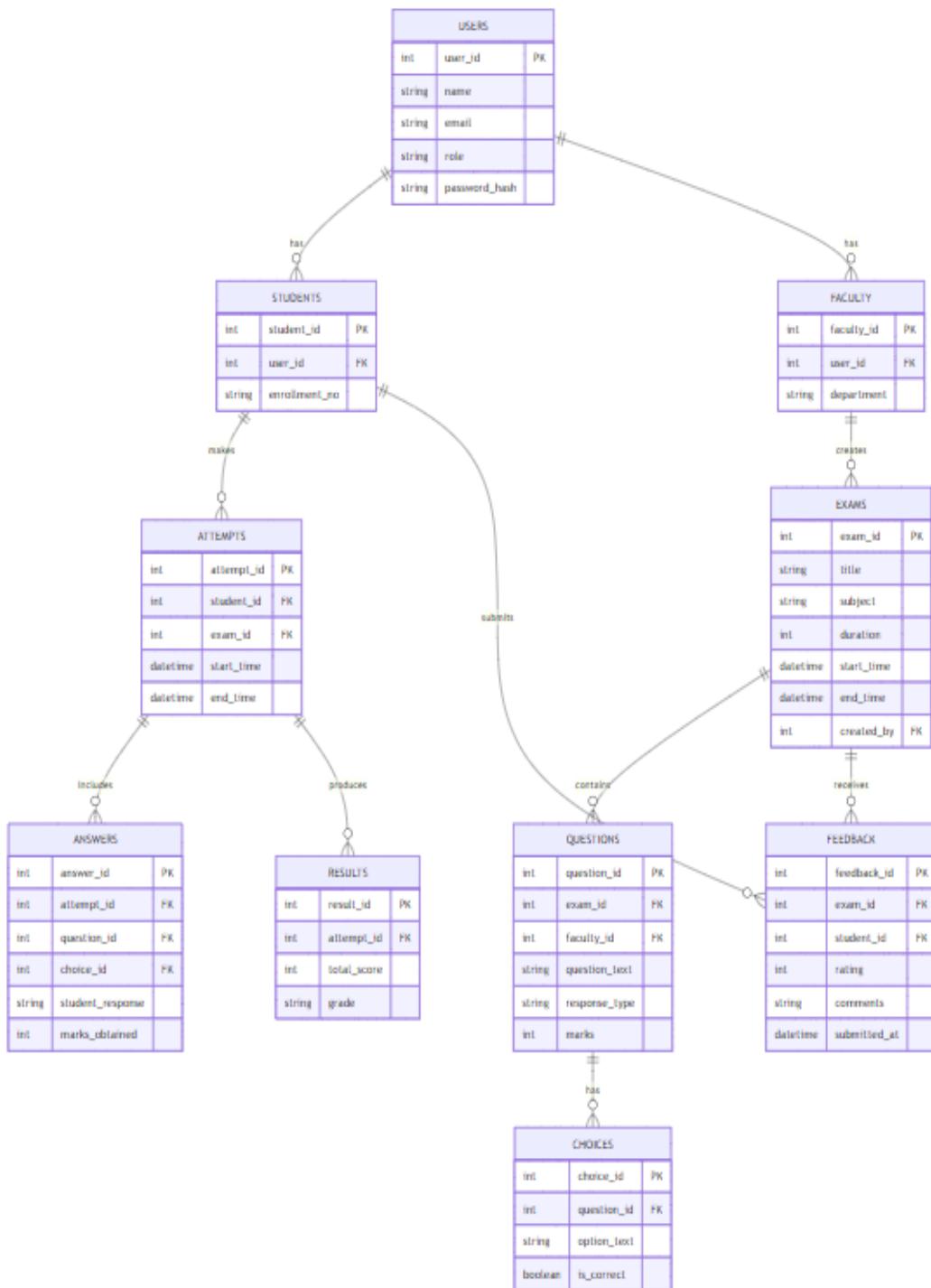


FIG1.5(Schema Diagram)

## Exams Table

The screenshot shows the MySQL Workbench interface with the 'Result Grid' tab selected. A query window at the top contains the command: `SELECT * FROM online.exams;`. Below it is a table titled 'exams 1' with the following columns: exam\_id, faculty\_id, exam\_title, description, duration\_minutes, start\_time, end\_time, status, and created\_at. All rows show 'NULL' values. On the right side of the interface, there are buttons for 'Result Grid' and 'Form Editor'.

FIG 2.1(Exams Table)

## FeedBack Table

The screenshot shows the MySQL Workbench interface with the 'Result Grid' tab selected. A query window at the top contains the command: `SELECT * FROM online.feedback;`. Below it is a table titled 'feedback 1' with the following columns: feedback\_id, exam\_id, student\_id, rating, comments, and submitted\_at. All rows show 'NULL' values. On the right side of the interface, there are buttons for 'Result Grid' and 'Form Editor'.

FIG 2.2(FeedBack Table)

## QuestionBank Table

The screenshot shows the MySQL Workbench interface with the 'Result Grid' tab selected. A query window at the top contains the command: `SELECT * FROM online.question_bank;`. Below it is a table titled 'question\_bank 1' with the following columns: question\_id, faculty\_id, question\_text, option\_a, option\_b, option\_c, option\_d, correct\_option, question\_type, marks, and created\_at. All rows show 'NULL' values. On the right side of the interface, there are buttons for 'Result Grid' and 'Form Editor'.

FIG 2.3(Question Table)

## Response Table

The screenshot shows the MySQL Workbench interface with the following details:

- Toolbar:** Includes icons for file operations, search, and export.
- Query Editor:** Displays the SQL command: `SELECT * FROM online.responses;`
- Result Grid:** Shows the structure of the 'responses' table with columns: response\_id, attempt\_id, question\_id, selected\_option, answer\_text, is\_correct, and marks\_obtained. A single row is present with all values set to NULL.
- Right Panel:** Contains buttons for Result Grid, Form Editor, and other options.

response_id	attempt_id	question_id	selected_option	answer_text	is_correct	marks_obtained
NULL	NULL	NULL	NULL	NULL	NULL	NULL

FIG 2.4(Response Table)