



Cairo University



# Database

## Phase 1

### TEAM Members

20240831

Malak Mohamed Refaat

20231208

Youssef Ahmed Mahmoud  
Elebiary

20231109

Aly El-Deen Yasser Aly

20230280

Fatema El-Zhraa Ahmed  
Mohamed El-Fiky

20230632

Rana Tarek Ahmed Fouad

20230449

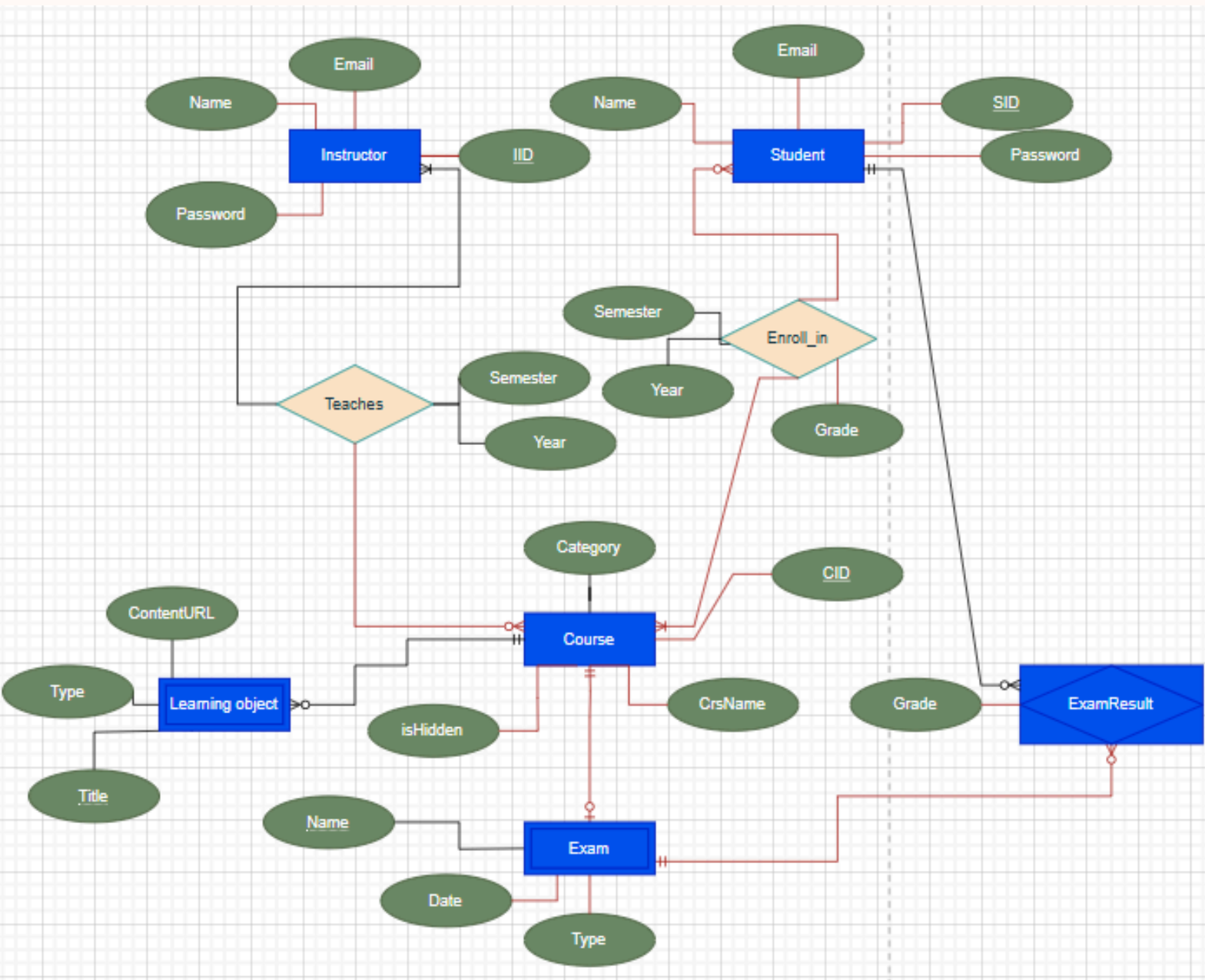
Noura Yasser Mohamed

May 2025

# **Functional Requirements :**

- Signing up a new user (e.g. instructor, student)
- Updating Student/Instructor details.
- Adding/updating/Delete a course (by instructor)
- Adding New Instructor
- Showing a list of courses that satisfy certain criteria as course category
- Showing a list of students that satisfy certain criteria as get a specific grade
- Performing operations on courses: apply enroll or delete enroll (by student)
- update Course.
- Get the course with the highest number of registered students.
- Get the top five students for each course .

# ERD conceptual:



# ERD Physical:

