Project documentation

Date

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FCIS 2026

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Project team

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About Coursera

Coursera is a platform that offers online courses, degrees, and certificates from top universities and companies around the world. You can learn new skills, advance your career, or explore your interests with Coursera.

☐	Coursera has more than 5,800 courses in various fields, such as business, computer science, health, and social sciences.

☐	Coursera also offers Professional Certificates, which are designed to help you gain job-ready skills and credentials in high-demand fields.

☐	Coursera has degrees from leading universities and institutions, such as the University of Illinois, the University of Michigan, and the University of Colorado Boulder. You can earn a bachelor's, master's, or doctoral degree online at a fraction of the cost of traditional programs.

☐	Coursera has a Coursera for Business solution that helps organizations upskill their employees and achieve their learning goals. You can access curated content, data-driven insights, and flexible learning options with Coursera for Business.

☐	Coursera has a Coursera for Campus solution that helps educators and students access high-quality online courses and programs. You can enhance your curriculum, offer academic credit, and provide lifelong learning opportunities with Coursera for Campus.

☐	Coursera has a Coursera Community that connects you with learners and instructors from around the world. You can join discussions, share your work, and get feedback from peers and mentors with Coursera Community.
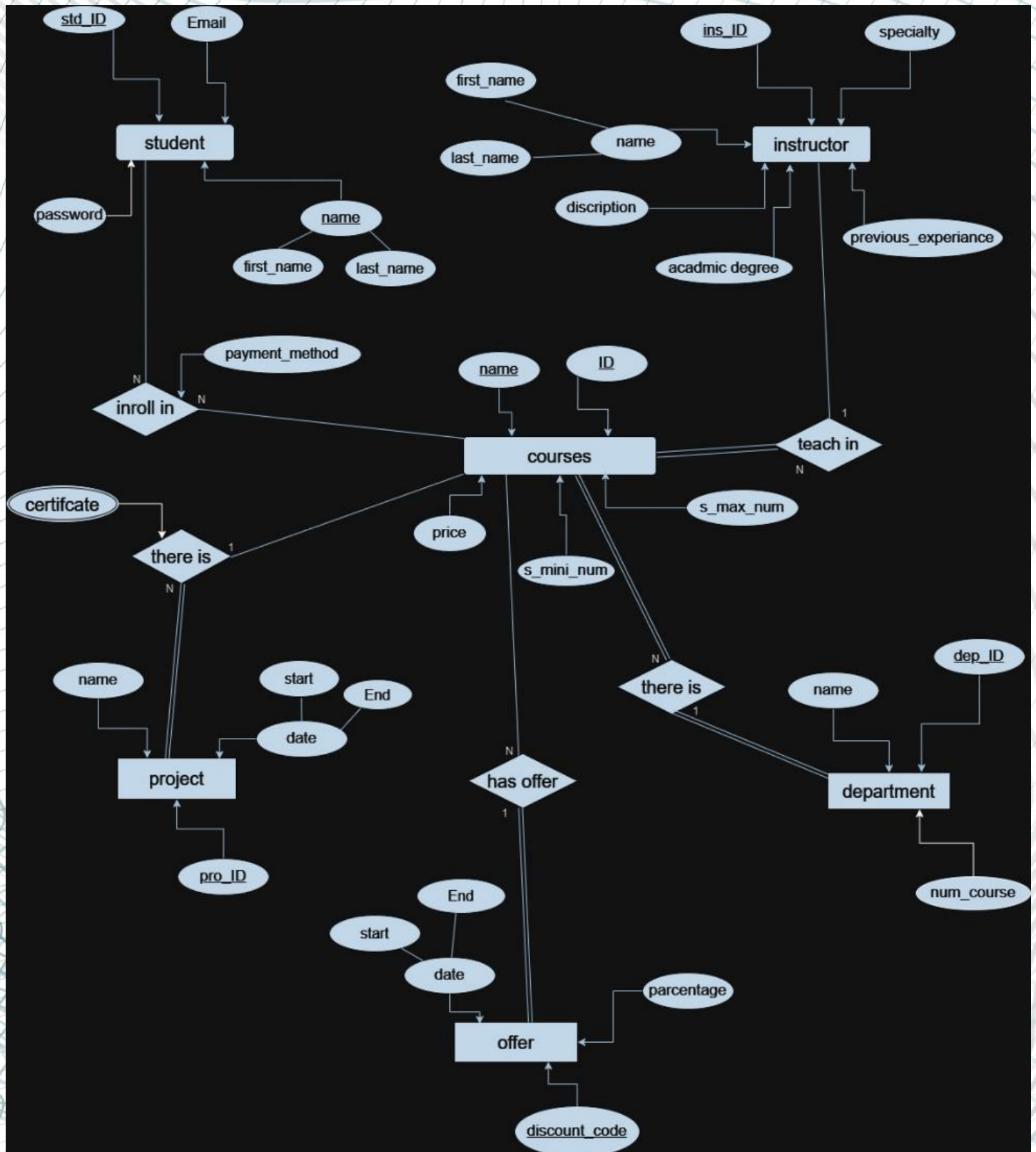
Entities, attributes and relationships

- **Courses (<u>ID</u>, Name, Certificate, Price, s_max_num, s_min_num)**
- **Student (<u>std_ID</u>, password, email, name)**
    - Name attribute is a composite attribute including first_name and last_name
- **Project (<u>project_ID</u>, name, date)**
    - Date is a composite attribute including start and end
- **Offer (<u>discount_code</u>, percentage, date)**
    - Date is a composite attribute including start and end
- **Department (<u>Dep_id</u>, number_of_courses, name)**
- **Instructor (<u>ins_ID</u>, name, previous_experience, academic_degree, descreption, speciality)**
    - Name attribute is a composite attribute including first_name and last_name.

relationships

Course
- the course entity has 5 relationships
- relationship with student entity student can enroll in many courses any course could have many enrolled students which will be a many to many relationship (M:M)

- Relationship with project a course could have any number of projects. project can only be assigned with only one course. which will be a one-to-many relationship (1: N)

- relationship with offers an offer could be applied to many projects. course could have only one offer at a time which will be a one-to-many relationship (1: N)

- Relationship with department a department could have many courses assigned to it. where any course could only be assigned to one department at a time this will be a one-to-many relationship (1: N)

- Relationship with instructor a course can only have one instructor where an instructor can create as many courses as he can this will be a one-to-many relationship (1: N)

Coursera ER Diagram

Coursera schema

Student

Stud_ID	First_name	Last_name	Email	Password

Certificate

Cours_ID	Certificate

Instractor

Ins_ID	First_name	Last_name	Specialty	Description	Acadmic_degree	Previous_experiance

Departement

Dep_Id	Name	Num_courses

Courses

Cours_ID	Name	Price	Min_num	Max_num	Discount_code	Dep_ID	Ins_ID

Offer

Discount_ID	Start_date	End_date	Persentage

Project

Cours_ID	Name	Start_date	End_date	Pro_ID

Inroll_in

Cours_ID	Stud_ID	Payment_method

Thank you.