Database Management System
Project Report

Title : Online assignment submission system

Group Members-

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Aim :

The Covid-19 pandemic caused a huge disturbance in the education system with schools and colleges forced to shut down during the lockdown period. Noticing the loss that students were facing in their education, transition of teaching-learning process into online mode took place.

The aim of this case study is to design and build a Online Assignment Submission portal which helps students to submit their practical and assignments online easily, instead of sending them in a module file. This is a role-based module in which the teachers and student can perform any operation on the data. The proposed method aids teachers in the process of monitoring and handling students by eliminating and mitigating human error.

Description (SRS) :

Student Features in Online Assignment Submission System Project

- *Manage Student Profile*– For the student profile, The student update his/her information details.
- *Registration*– For the registration, The student need to register first to create their own account.
- *View Assignment and exam*– For the assignment and exam, The student can view their assignment and exam through this website.
- *Login* – By default the student need to login first to enable to access the system.
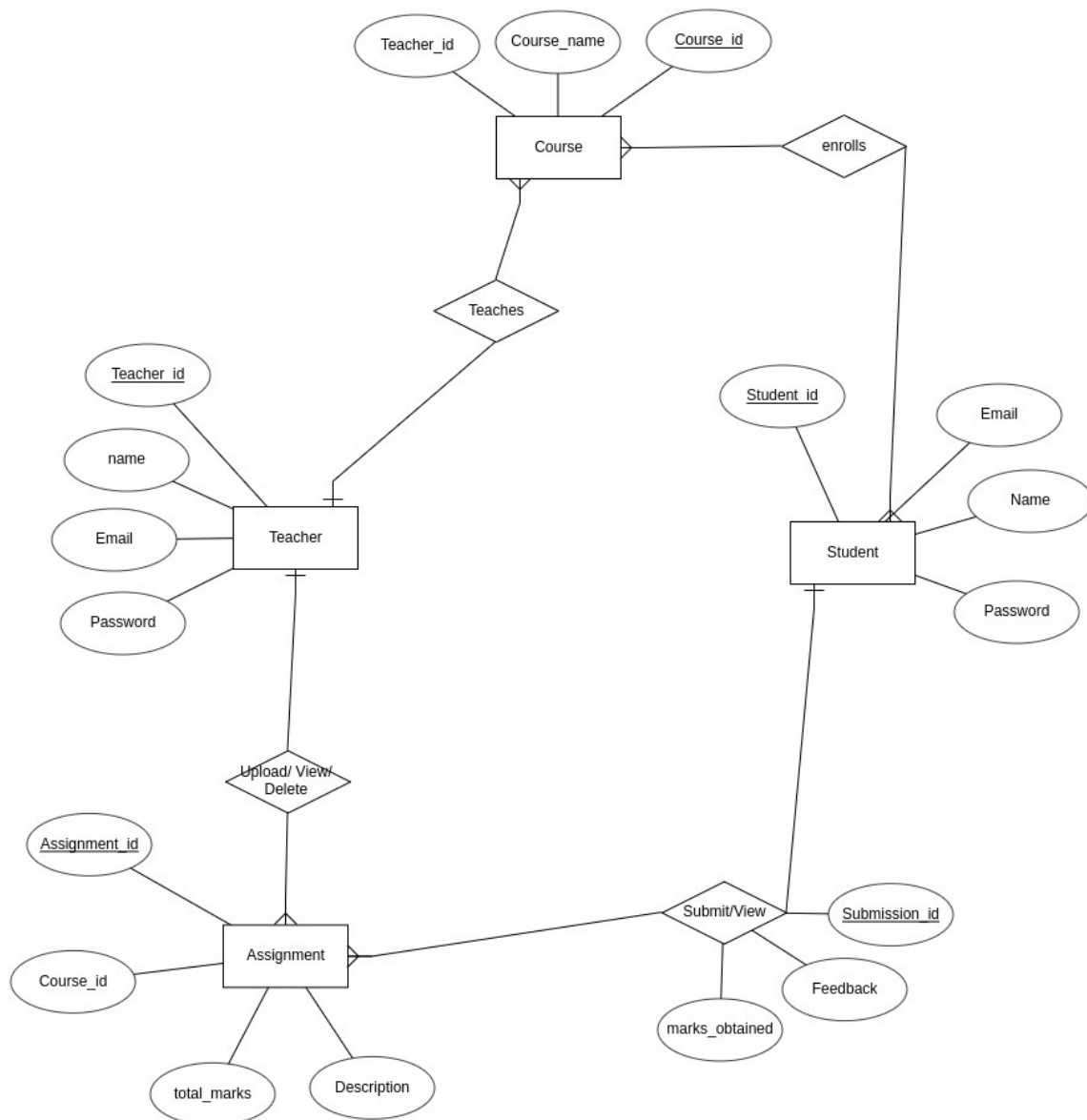- *View Course*– For the course, The student can view all their courses.

- *Manage Teacher Profile*– For the teacher profile, The teacher can update his/her information details.
- *Registration*– For the registration, The teacher need to register first to create their own account.
- *Create Course*– For the add course, The teacher can add and update course information.
- *Login* – By default the teacher need to login first to enable to access the system.
- *Create Exam* – For the exam, The teacher can create and update exam information.
- *Create Assignment* – For the assignment, The teacher can create and update assignment information.

Table Description :

Following are the tables along with constraints used in Online Assignment Submission System database.

1. Teacher :
   This table stores the information about all the teachers. The information includes the teachers' id, name, email and password.
   Constraint : Teacher id will be unique for each teacher.

2. Student :
   This table stores the information about all the students. The information includes the students' id, name, email and password.
   Constraint : Student id will be unique for each student.

3. Course :
   This table stores the information about all the courses. The information includes the course id, name and the teacher id of the teacher associated with the respective course.
   Constraint : Course id will be unique for each course.

4. Assignment :
   This table stores the information about all the assignments of each course. The information includes the assignment id, description, total marks and the course id of the course associated with the respective assignment.
   Constraint : Assignment id will be unique for each assignment.

E-R Diagram(Conceptual Design using ER features) :
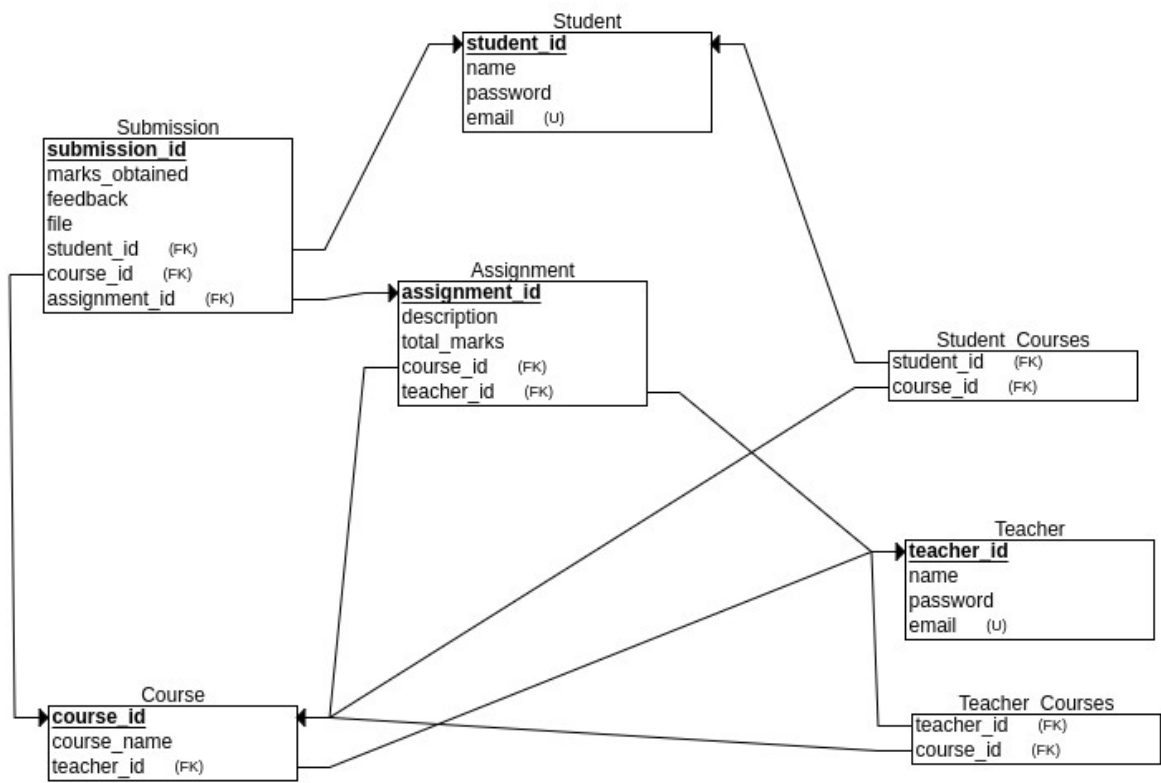

Relational Database Schema for Case Study :

The relational database schema for Online Assignment Submission System is as follows:

1. Teacher (<u>teacher_id</u>, name, email, password)
2. Student (<u>student_id</u>, name, email, password)
3. Course (<u>course_id</u>, course_name, teacher_id)
4. Assignment (<u>assignment_id</u>, course_id, teacher_id, total_marks, description)

5. Submission (<u>submission_id</u>, marks_obtained, feedback, file, student_id, course_id, assignment_id)

User Interface:

Student view of the assignment he has submitted(before entering the marks)

Online Assignment Submission   HOME   👤 POOJA ∨

Course Name
Data Structures

Title
DS - 1

Student Name
Rakesh

University Id
547896

Answer
Sample Code

Marks Obtained
Enter Marks

Instructor view of the assignment student has submitted(before entering the marks)

Online Assignment Submission   HOME   👤 POOJA ∨

Course Name
Data Structures

Title
DS - 1

Student Name
Rakesh

University Id
547896

Answer
Sample Code

Marks Obtained
23

Student view of the assignment he has submitted(after the marks ahve been updated)

7

Course Name
Data Structures

Title
DS - 1

Student Name
Rakesh

University Id
547896

Answer
Sample Code

Marks Obtained
23

Instructor view of the assignment student has submitted(after entering the marks)

Conclusion :

Implementation of online assignment submission system project helps to store all the records of student details about courses, assignments, submission and evaluation along with teachers' data to provide coordination and smooth user communication in online teaching-learning process.