

Course Registration System ER Diagram

The **Course Registration System ER Diagram** reveals the relationships between the system's entity sets in a database. This displays the logical structure of databases. It is done by identifying entities, their properties, and the interactions between them.

The Course Registration System database design is sketched out using ER diagrams. This database sketch for a course registration system is made up of **entities, their attributes, and their relationships**.

Definition of Course Registration System ER Diagram

The Course Registration System ER Diagram is referred to as the software database design. This ER Diagram is the graphical depiction of relationships between all the entities involved in the system. Its major components are Entities, Attributes, and Relationships.

The ER Diagram is used to build and troubleshoot the System's relational database. It works best with DFD (Data Flow Diagram), which is responsible for data movement.

Importance of ER Diagram for Course Registration System

The importance of ER diagram for course registration system is to help in modeling its data storage or database. It is the basis of the project's database foundation for construction. This entity-relationship diagram (ERD) also aids in defining the data types to be stored such as their attributes and characteristics.

In addition to that, the ER Diagram also describes how an entity interacts with other entities. All other real-world projects are presented with ER Diagrams (database designs).

ER Diagram for Course Registration System with Tables

These tables below provide the complete database table details such as **Field Name, Descriptions, data types, and character lengths**.

Table Name: Registrar

Field	Description	Type	Length
registrar_ID (PK)	Registrar ID	Int	11
name	Registrar Name	Varchar	255
age	Registrar Age	Int	11
gender	Registrar Gender	Varchar	255
contact	Registrar Contact	Int	11
address	Registrar Address	Text	
username	Registrar Username	Varchar	255
password	Registrar Password	Varchar	255

Table Name: Course

Field	Description	Type	Length
course_ID (PK)	Course ID	Int	11
name	Course Name	Varchar	255
description	Course Description	Text	
subjects	Course Subjects	Text	
pre-requisites	Course Pre-requisites	Text	
registrees_ID (FK)	Registrees ID	Int	11

Table Name: Requirements

Field	Description	Type	Length
requirements_ID (PK)	Requirements ID (PK)	Int	11
registration_Id (FK)	Registration ID (FK)	Int	11
course_ID (FK)	Course ID (FK)	Int	11
birth_cert	Birth Certificate	Varchar	255
prev_grades	Previous Grades	Varchar	255
good_moral	Good Moral	Varchar	255
qualification	Qualification	Varchar	255
sub_date	Submission Date	Date	

Table Name: Registration

Field	Description	Type	11
registration_ID (PK)	Registration ID	Int	11
fname	First Name	Int	11
lname	Last Name	Int	11
age	Age	Int	11
gender	Gender	Varchar	255
contact	Contact	Int	11
address	Address	Text	
course_ID (FK)	Course ID	Int	11
date	Date	date	

Table Name: Registrees

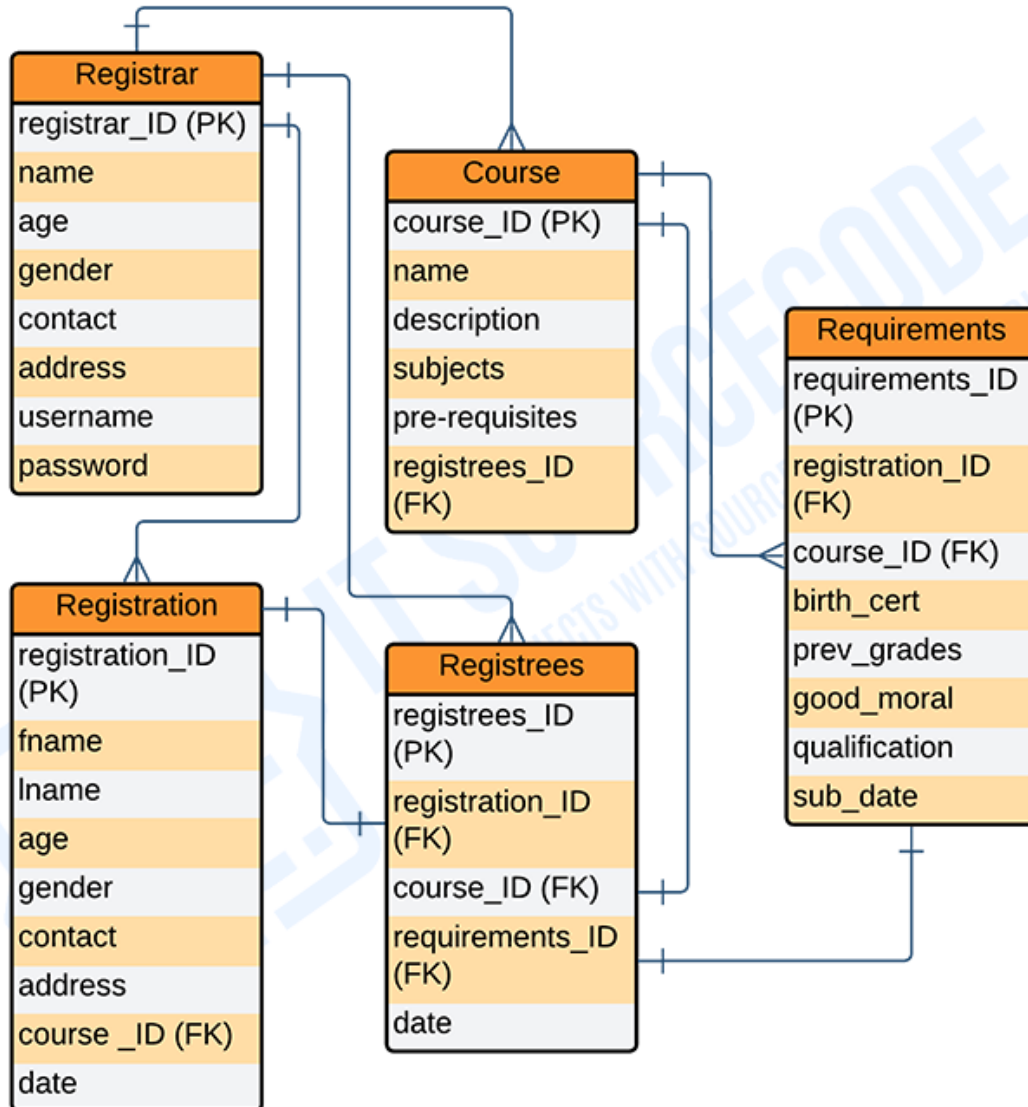
Field	Description	Type	Length
registrees_ID (PK)	Registrees ID	Int	11
registration_ID (FK)	Registration ID	Int	11
course_ID (FK)	Course ID	Int	11
requirements_ID (FK)	Requirements ID	Int	11
date	Date	date	

Course Registration System ER Diagram

ER Diagram of Course Registration System shows the system entity and the supposed functions in each relationship. It is the supposed database design of the project. This conveys the

data that would be present in the registration system, its characteristics, and its connection with other data (entity).

COURSE REGISTRATION SYSTEM



ER DIAGRAM

ER Diagram for Course Registration System

This diagram presents the entities' relational model for the course registration system. It is used to enlighten you on how the back end of the database of the project works. The tables are made to meet the required specification of the system and provide much more specific details of each entity within the system.