

⇒ A course can have multiple assignment each belong to one course (one-to-many).

⇒ An assignment can have multiple sub each sub have one assign (one-to-many).

Challenges & consideration:-

- ⇒ Role Differentiation.
- ⇒ Data Integrity.
- ⇒ Scalability.
- ⇒ Normalization.
- ⇒ Privacy & Security.

Definition of table field & Data types:-

Users:-

ID (PK), Name Varchar (100), Email Varchar (100), Password Varchar (255), Role, Reg-Date.

Courses:-

ID PK, Name Varchar (100), Title Varchar (100), Description.

Lesson:-

ID PK, Course ID FK, Title Varchar (100), content, Duration.