Session 2 (Database)

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Foreign key can be NULL

- 1. Departments (Dno PK, Dname, Dloc,)
- 2. Projects (Pno PK, Pname, Ploc,)
- 3. Employees (SSN PK, Name, Salary, BD, Address, Dno FK, SuperSSN FK..)
- 4. Dependent ((ESSN FK, Fname, R) PK, Sex, BD)
- 5. Dept_Loc (Dno FK, Dloc) PK
- 6. Works_On ((ESSN FK, Pno FK) PK, Hours)

Properties Of PK:

- Unique
- Not NULL
- Table Contains 1 PK

Properties Of FK:

- Not Unique
- May Be NULL
- Table Contains 1 or More FK
- Must Be PK in another Table

Important Rule

No Tables = No Entities (both strong and weak)

+ No M:M

+ No MV (Multi-Valued Attribute)

- No 1:1 Must From Two Sides