



Order {
 fd1
 fd2

| | | | | |
|----------|-------------|-----------|----------|---|
| OrderNo, | ContractNo, | DeptName, | Progress | } |
| | ↑ | ↑ | ↑ | |

Customer { Id, FName, LName, ContactInfo }

Department { Id, Name }

Part { Id, name, price }

Order { CustId, DeptId, OrderDate }

Build { Id, DeptId, ShipId, Status, Feat1, ... , Feat10 }

Each Order is placed by 1 and only 1 customer; each customer may place 0 or more orders.

Each Build is in 1 and only 1 order; each Order may have 1 or more build.

Each Build is responsible by 1 department; each department is responsible for 0 or more builds.

Each Ship is construct in 1 build; each build construct 1 ship.

Each Part is use in 1 build; each build use 1 or more part.

Order and Build are weak entities, their existence are depended on Customer, SpaceShip, Department, Part.