|  |
| --- |
| **Customer** |
| Id |
| FName |
| LName |
| ContactInfo |

|  |
| --- |
| **Department** |
| Id |
| Name |

1…1

responsible

1…1

0…\*

|  |
| --- |
| **Build** |
| Id |
| DeptId |
| ShipId |
| Status |
| Feature1 |
| … |
| Feature10 |

|  |
| --- |
| **Order** |
| Id |
| GustId |
| BuildId |
| OrderDate |

place

|  |
| --- |
| **Part** |
| Id |
| FName |
| LName |
| Price |

0…\*

1…1 use 1…\*

1…1

has 1…\*

1…1

|  |
| --- |
| **SpaceShip** |
| Id |
| Model |
| Type |

1…1

construct

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.