**Master Detail Relationship in Salesforce**

**Master Detail Relationship Field:**

1. Also called as parent-child relationship field.
2. Basically created whenever the relationship between two objects have parent child relationship.
3. Child object record cannot exist without parent object record.
4. Child object record properties and behavior are controlled by properties and behavior of parent object record.

**When to Create Master Detail Relationship:**

1. Whenever we want child object record to be deleted when the associated parent object record is getting deleted.
2. We cannot create any of child object record without associating or relating with parent object record.
3. Whenever there is an object which cannot exist or whose record cannot exist without relating or without associating to parent object record, in that case Master Detail relationship is created.
4. The object which is on the one side, will be considered as Master or parent and the object which is at many side, will be considered as Detail or child.
5. You need to create Master Detail relationship field on the child object which will be related to the Master object.

**Properties of Master Detail Relationship:**

1. Whenever you create Master detail relationship on detail or child object, the “owner” field which exist on detail object will get deleted. Because, the owner field gets derived from master object record on to the child object record.
2. The detail object inherits the “Security and Sharing Setting” from master object record. Security and Sharing setting of the child object record gets derived from the master object or parent object record.
3. Master detail relationship field is automatically required on the page layout of the child object. Because, no child object record can exist without parent object record.
4. Whenever you create a record of child object and related to parent object. After creating it, if you trying to edit the parent record which is associated to child record, you will not be able to do it by default.
5. If you set “Allow reparenting” checkbox checked while creating master detail relationship field on child object, you will be able to change parent record. It means, reparenting child object record is allowed.
6. If you delete parent(master) record, all child(detail) records associated with parent get deleted. And if you undelete parent(master) record from recycle bin, all child(detail) records associated with that parent record will also get undeleted.
7. Standard object cannot be on the detail(child) side in master detail relationship.
8. Objects Relationship Scenarios:
9. Standard object(Master) and Custom object(Detail) scenario:

All standard objects except “Lead” and “User”, can be on the master side whereas custom object can be on the detail side.

1. Standard object(Master) and Standard object(Detail) scenario:

It is not allowed as standard object cannot be at detail side in master detail relationship.

1. Custom object(Master) and Custom object(Detail) scenario:

Custom object can be on master side whereas another custom object can be on detail side.

1. Custom object(Master) and Standard object(Detail) scenario:

It is also not allowed as standard object cannot be at detail side in master detail relationship.

**Why Master Detail Relationship, why not Lookup Relation:**

1. In master detail relationship, when we delete parent(master) object record, all child(detail) object records associated with parent(master) object record will get deleted.
2. If any employee left the organization, we have delete his entry from Employee object.
3. If there is no any information available in Employee object, what is the use of storing his information with project in EmployeeProjectDetails object.
4. In the same way, if any project record deleted from Project object, it doesn’t make any sense to keep employee-project information in EmployeeProjectDetails object.
5. And both of the relationship fields should be master-detail relationship on junction object EmployeeProjectDetails.

**Note:**

Whichever object have two Master-Detail relationship on it, that object is called as JUNCTION object.