

# To Do Task(Regarding project work)

## 1. Decide Scope of your project

### - While deciding scope of project do consider following points :

- who is your end user?
- what is your Objective?
- consider project limitation
- list down your own ideas
- Then accordingly decide roles and functionalities for your project.
- After this prepare use-case diagram using any tool/application(like draw.io).

## 2. UI Design

- prepare UI diagram for this

## 3. Database Design

### - Find and organize the information required.

Gather all of the types of information you might want to record in the database.

### - Divide the information into tables

Divide your information items into major entities or subjects, such as Products or Orders.

### - Turn information items into columns

Decide what information you want to store in each table. Each item becomes a field, and is displayed as a column in the table.

### - Specify primary keys

Choose each table's primary key. The primary key is a column that is used to uniquely identify each row.

### - Set up the table relationships

Look at each table and decide how the data in one table is related to the data in other tables. Add fields to tables or create new tables to clarify the relationships, as necessary.

### - Refine your design

Analyze your design for errors. Create the tables and add a few records of sample data. See if you can get the results you want from your tables. Make adjustments to the design, as needed.

### - Apply the normalization rules

Apply the data normalization rules to see if your tables are structured correctly. Make adjustments to the tables, as needed.

### - Once finalize with database design draw "Entity-relationship(ER)" diagram.