Project

A major component of the course is a software development project. The objective is to develop a software product for an actual client who intends to use it in his/her real business.

At the beginning of the course, you will form project teams **with 4 members**. During the semester, the project team will work together using online means of interaction through the full development cycle, from understanding the requirements to delivering a functioning product, and will submit the reports mentioned below in the table on the given deadlines. A potential project is suggested. While working on this project, think broadly.

Deliverables:

Each group should read this table and deliver the documents on date.

Date	Document
21/03/2021	Start of project
08/04/2021(before midnight) **(13 Grades)**	• Requirements Document. (Functional +Non-Functional Requirements+ Actor Goal List) [Full System] • Use-case Diagrams with text Description of use cases (Diagram for the full system but Description of only 3 most complex use cases that have more exceptions and alternatives) • Class Diagram for the full system • Activity Diagrams (Only one activity diagram for the most complex use case that have more exceptions and alternatives)
15/04/2021(before midnight) **(2 Grades)**	Final Document

Note: Send me the softcopy of every milestone in email.

Project Description

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Purpose of this summery is to present high-level requirements for software Application for a City Housing Scheme. A city has a unique name and can have many areas. An area will have unique name and many lanes. Lanes will have unique names and numbers. Every lane will have buildings with unique numbers. A building can be a residential building, hospital, mall or masjid. Residential building will have apartments with unique numbers within the building. Mall will have stores with unique numbers and names within the mall. Maximum five people (residents) can live in one apartment. Every store will have one manager. Following points need to be considered while gathering/analysing the requirements.

1. Application should manage (add information, update information, delete information, view/search information) following
   a. City
   b. Area
   c. Lane
   d. Building(all types)
   e. Apartment
   f. Store
   g. Resident
   h. Manager

2. Try to explore the detailed requirements that must contain the suitable attributes of the above entities and operations then document these requirements according to the nature of the milestones of the project.

3. Following reports must be generated from the system. This will give you the idea to find and establish relationships between different entities and helpful in deciding the attributes of the entities.

   a. Information (Name, id, age, nationality) of people living in a particular apartment. Choose suitable criteria to get this information.
   b. Address of some resident (Area name, Lane name and number, building number and apartment no) when the id of resident is given.
   c. Information of all malls (Name of the mall, Area name, Lane name and number, building number) in the city
   d. Information of all Masajid (name of masjid, Lane name and number, building number) in an area.
   e. Information of a stores(Area name, Lane name and number, building number, Store name, Manager Name) when store name is given.