OBJECT ORIENTED PROGRAMING

PROJECT PROPOSAL

PROJECT MEMBER:

Syeda Maham Batool

Syed Kifayat ul Rahman

Murtaza Khalid

“MALL MANAGEMENT SYSTEM”

**BASIC OBJECTIVE OF OPP:**

* The main objective of OOP is to bind different data together and the functions that operates on them can access this data no other part of code can access this except function.
* OPP is basically tell us how to abstract the data and made a classes with refer to it. It helps us to summarize our code and save it from repetition.

**PROJECT MAJOR PARTS:**

Mall Management system includes all the operation and maintenance of entire building infrastructure which includes the management of accounts , shops , security and parking .Basically there are three major people who can login to this system which are as following:

* Head
* Manager
* Sub Managers
* Parking Manager
* Account Manager
* Maintenance Manager

**PROJECT RULES AND RESPONSIBILITY:**

**Head:**

* He/she is the head of the mall who have access to see all the details related to mall .
* Head donot edit anything by herself/himself
* Our program give options to head what detail he\she want to see and ten program display the related information.
* If he/she wants to edit anything then he’ll call Manager.

**Manager**:

* Manager plays the important role in all the program.
* Work directly with Employees.
* Manager is the only one who can access everything basically every class .
* Manager also edit all the required information and also have access to enter required data.

**Sub Managers:**

* There are three different sub managers who work accordingly and are related to different class.
* Each manager are assigned with different task.

**DIFFERENT CLASSES:**

In this project we made different class with different attributes .The major classes are as following:

* Employee Details
* Shop Details
* Account Details
* Parking Details
* Maintenance Details

We also use the Multilevel and Multiple Inheritance in the program to get rid of code complications. Multiple and Multilevel inheritance among different classes basically help us to manage our code and also reduce repetition of code.