**Project Proposal**

**Project Title: RESTAURANT MANAGEMENT SYSTEM**

**Course Name: OBJECT OREINTED PROGRAMMING LAB**

**( CSC-210)**

**Project Description:**

Our group decided to make a Restaurant Management System. Using core concepts of Object Oriented Programming. We are making our project using all latest OOP Concepts of Java. We are building our project with back-end as well as front-end (GUI), for back-end we are using **Java language** and for front-end (GUI) we are using **Java Swing**. We are trying to cover all OOP concepts like **Inheritance** (for Reusability), **Encapsulation** (for Security for data members), **Method Overloading**, **Polymorphism** and different types of **access modifiers**. By using all this concepts and techniques we will build a market compatible application on NetBeans. The functions we are using in our application include **login** page **,** there will be names of items available from which **addition** and **subtraction** in number of items can be done, **totals** the amount of all items, **calculating taxes** on items and also adjust them in totals column, their is also a **reset** function present in our application which helps in resetting total bill, a **receipt** button is also present which helps in generating receipt. In last their is an **exit** button present which help in exiting the application.

**Expected Time:** 2 Week of June.

**Group Members:**

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| **Sr. No.** | **Student Name** | **Registration Code** |
| 1 | MUHAMMAD USMAN KHAN | 65171 |
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