OOP Project Proposal 2021

**Members:**

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**Name:**

Online Food Ordering and Delivery System

**Problem Statement:**

The arrival of the pandemic has brought a revolution in the world. In these times of a rampant disease, the need of social distancing and avoiding physical presence is being recommended; These restrictions automatically contribute in boosting the Technology & IT sector, including all sorts of deliveries, from foods to groceries to transportation of general goods. Office works are being shifted online as well as the majority of restaurants hurrying towards developing an online Food Delivery Infrastructure to avoid the physical presence of customers on outlets and instead being able to serve them through pre-ordered/booked pickups or deliveries.

**Main Functionalities:**

The program initially asks for login credentials in order to validate the user’s login. Next, the Categerory Selector will open and then, after selecting each category out of the first three categories, a new window will open. This new window presents the relevant Restaurants which our user can select. After selection of their desired restaurant, the restaurant’s menu tab will open. After selecting the menu of choice you will have the choice to update it or change it or add more in the cart. Then, delivery locations will pop up and will lead to some extra charges if is located at a distance of more than 20 kilometers and then bill receipt will be generated. Finally, a discount code will be asked for. If the entered code matches a system discount code, the user can avail 10% discount.

**Entities/Classes involved:**

Restaurant

Main(Class Restaurant)

Child(Class Desi, Class Fastfood, Class Chinese)

Grand Child{Desi->(Kolachi,Kababjees,Dua,Llaqila)+FastFood->(KFC,Mcdonalds,Broadway, Burgerlab)+Chinese->(Greatwall,Ginsoy,Lechine,Chopsoy)}

**USER:**

Account Holder