**V3FOOD DELIVERY SYSTEM**

TEAM MEMBERS:

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ABOUT THE PROJECT:

V3 FOOD DELIVERY SYSTEM is food ordering software where on can order the dish of their choice form the list of hotels and also pay online or pay it on delivery.

The user will first have to sign up and login, then choose the hotel, after which he will have to choose the quantity and the dishes, the orders will be appended to the cart after finalising the order the user can make the payment.

This project is the user end of the software for a food delivery system and is done using the NetBeans software.

FLOW:

The project has several frames which appear one after the other. Each frame has buttons which trigger the specified action. The labels make it easier for the user and help in movement from one frame to the other

CONCEPTS USED:

* Data Encapsulation and Data Abstraction

Implemented through the classes and its members

* Exception Handling
* Files are used to store the data of the users and the orders
* Inheritance
* Interface
* Collections: Array lists were used to store the data

CLASS NAMES ANF FILES USED:

Classes:

* UserPassword:
  + This class is used to read the username and the password at the time of login or signup
  + Members:
    - Username of string type
    - Password of string type
* Orders:
  + Implements Serializable
  + Stores the
    - Username of string type
    - Array list of type suborders - which stores the orders by the user
    - total amount
  + The details are read and written into a file
* Suborder:
  + This is a subclass of Orders class
  + It is the structure of:
    - name of the hotel of string type
    - the dish of string
    - quantity of type double
    - cost for each item of type double

Files Used:

* userpassword.dat
  + It is a binary file that store the details of the users who sign up.
  + Each time the user logs in the details are checked to the details stored in this file and then the login is done.
  + The details are appended to this file every time a new user tries to sign in to the system.
* Userorders.dat:
  + This file stores the order details of all the users who have logged in and placed the orders along with their final amount.
  + The details are updated every time the user places a new order in any of the hotels

JFrame classes:

Since the project was done in NetBeans these are the jFrame classes that are used:

* Welcome frame
* User login and signup frame
* Frame with the list of hotels
* Separate frame for each hotel with the respective dishes
* Cart frame with the details of the orders
* Payment option page
* Log out page

Main Class:

Each frame mentioned above has a main function which perform the action needed to be one at when the frame is currently in display, hence there is no specific class which has the main function which controls the flow of the whole project.

Output screen shots:

















