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(023-21-0311)

BS-CS-II

**Final Project Report**

**OBJECT ORIENTED PROGRMMAING**

**Introduction:**

The idea of my project is an application where users can use all general banking services. At Startup user has to log in. After logging in, user has the facility to perform operations.

**Methodology:**

I got full advantage/use of Swing, AWT and Object Oriented Programming principles/concepts of JAVA. I have divided different files in different classes for the ease of review and debugging. Different JPanels are used for different operations in JFrame. When the user tries to login, he is asked to enter his username and password. If his password and username is not found in the saved table in the file, he is prompted to check his username or password for misspelling. This is achieved by checking the credentials of the user against the given data. After logging in successfully, user can see username and Amount of balance account has. Then, user can enter amount in text field to deposit in account, if amount is negative a dialog box is shown to correct your amount, if user wants to withdraw amount and if account has less amount than given in field, it also shows dialog box that your account has not enough money. user can also check details of account holder such as username, password, balance, address, contact no, email. In last user can log out of account successfully.

**Problems Faced:**

During the making of this project, I faced a lot of problems. One of the them was connecting all the classes to each other and integrating GUI in them. Another problem that i faced was choosing a proper layout for my application and also Properties of dialog box in the project, some of which were solved.

**Outcomes:**

As the result of this project, I got experience to how to make projects and it also helped me in understanding use of different oop concepts such as Inheritance, polymorphism, abstraction.

**Saved LogIn Credentials:**

**UserNames Passwords**

1. Meer meer123
2. Adil ad268
3. Bilal bilo12
4. Zeeshan -456!

**Screenshots:**

















