

Project - " A Simple Java Desktop Application on ATM System "

Course No : CSE 2200

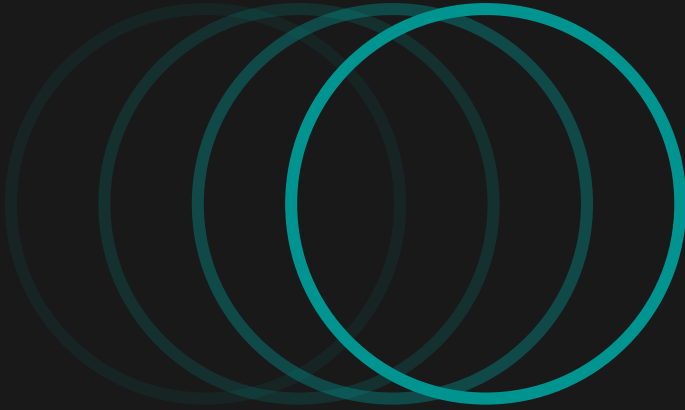
**Course Title : Advance Programming
Lab**

**Developed By
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Objective

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- i. To Develop a Java Desktop Application
- ii. To learn Database Management System
- iii. To build a user-friendly Application
- iv. To provide consumers to perform quick self-service transactions such as deposits, cash withdrawals, and transfers between accounts.



Introduction

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Automated Teller Machine (ATM) is a specialized Computer technology that allows us to complete bank transactions without the need to see a bank representative.

So, we need a well developed application to run this Machine.

Project Structure

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A

Login page

- Registration
- Forgot password
- Verify Login

B

Main Menu

- Cash Withdraw
- Deposit
- Transfer Money
- Balance Inquiry
- Account details
- Change pin

C

Withdrawal

- Get Cash \$

Deposit

- Add Money to A/C Balance

Transfer

- Within same bank

D

Forgot Password

- Verify Security Questions

Home page

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Exit Window

Verify Login

Create New
Account

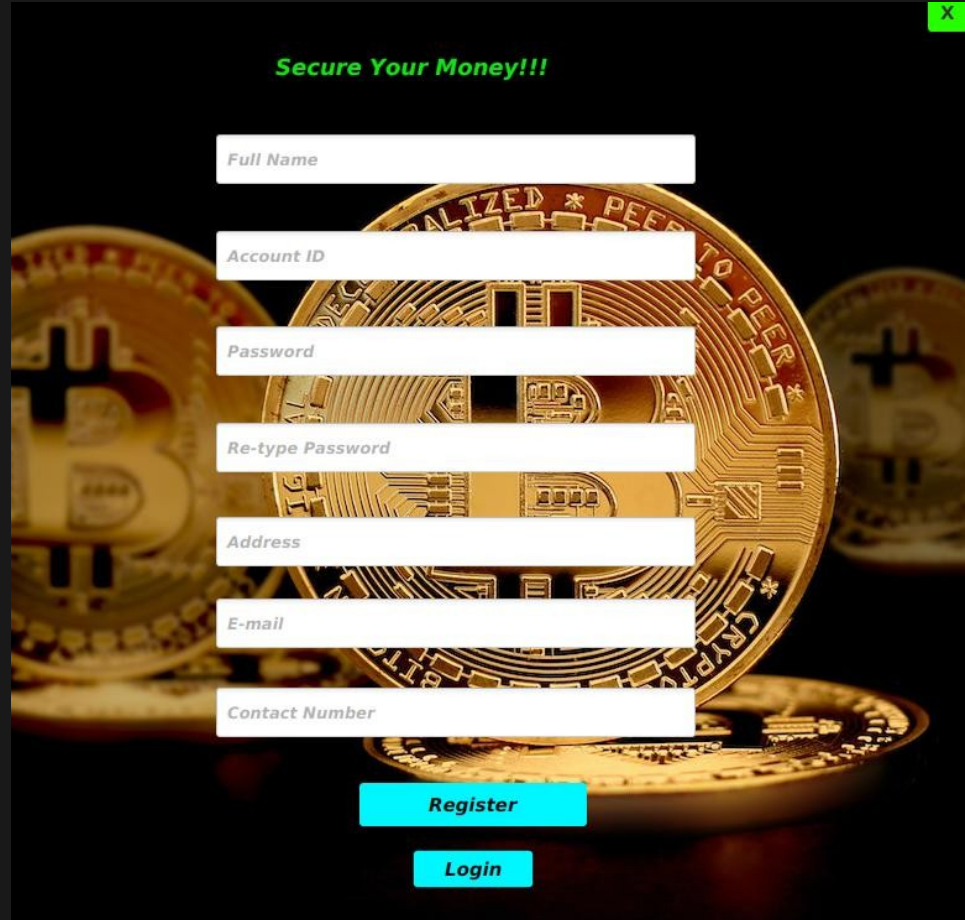
Regain lost
password

Create New Account

It will create 3 tables in database

For Handling . . .

1. Account Details
2. Account Balance
3. Recent Transaction

The image shows a registration form for an account, overlaid on a background of several gold Bitcoin coins. The form is titled "Secure Your Money!!!" in green text. It contains six input fields: "Full Name", "Account ID", "Password", "Re-type Password", "Address", and "E-mail". Below these fields are two buttons: "Register" and "Login". A small green "X" icon is visible in the top right corner of the form area.

Secure Your Money!!!

Full Name

Account ID

Password

Re-type Password

Address

E-mail

Contact Number

Register

Login

Main Menu

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Get Balance
Info

Get Cash \$

Account
Information

Change
Login
Password



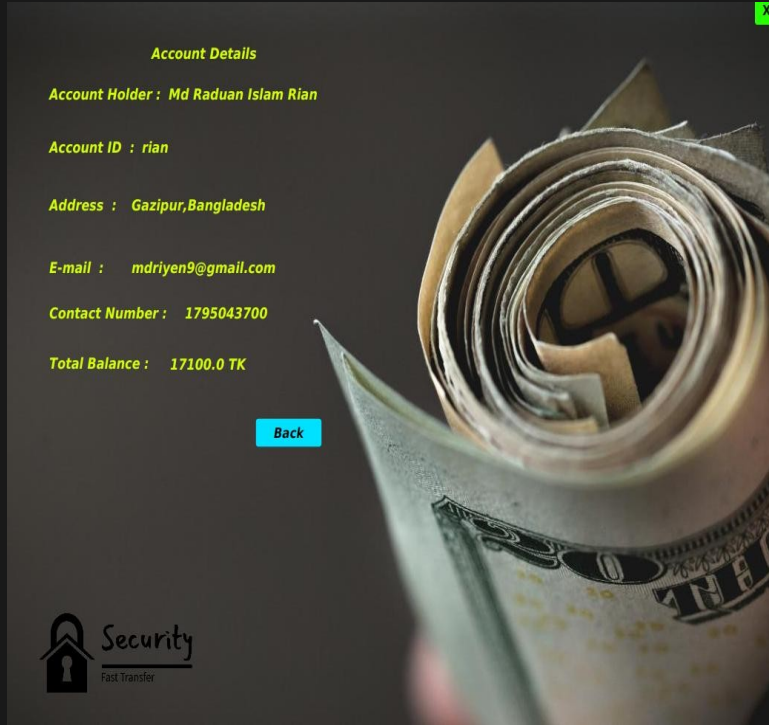
Balance
Transfer to
another
Account

Recharge
Balance

Recent
Transaction
Statement

Exit from
Your
Account

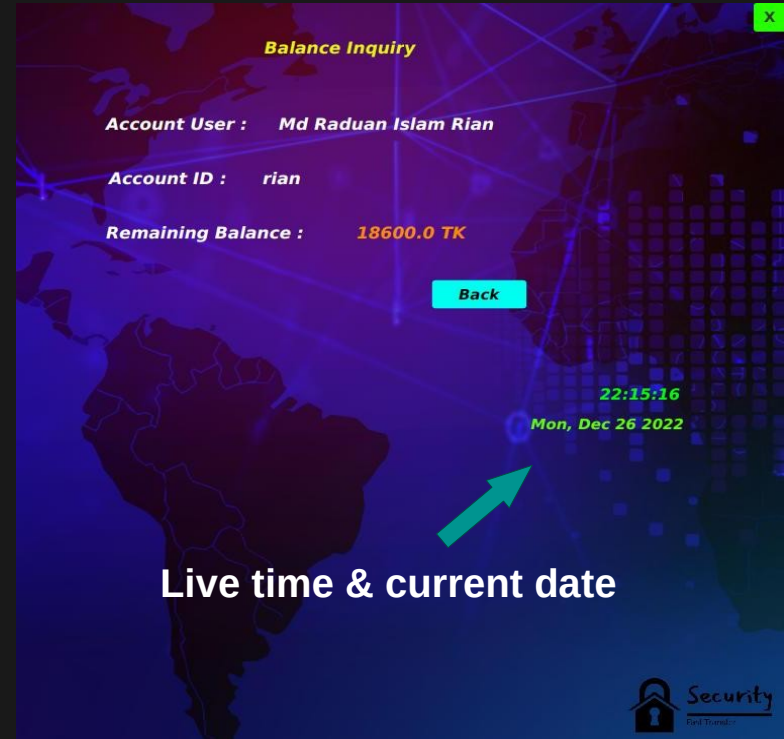
Account Information



User can access account details information

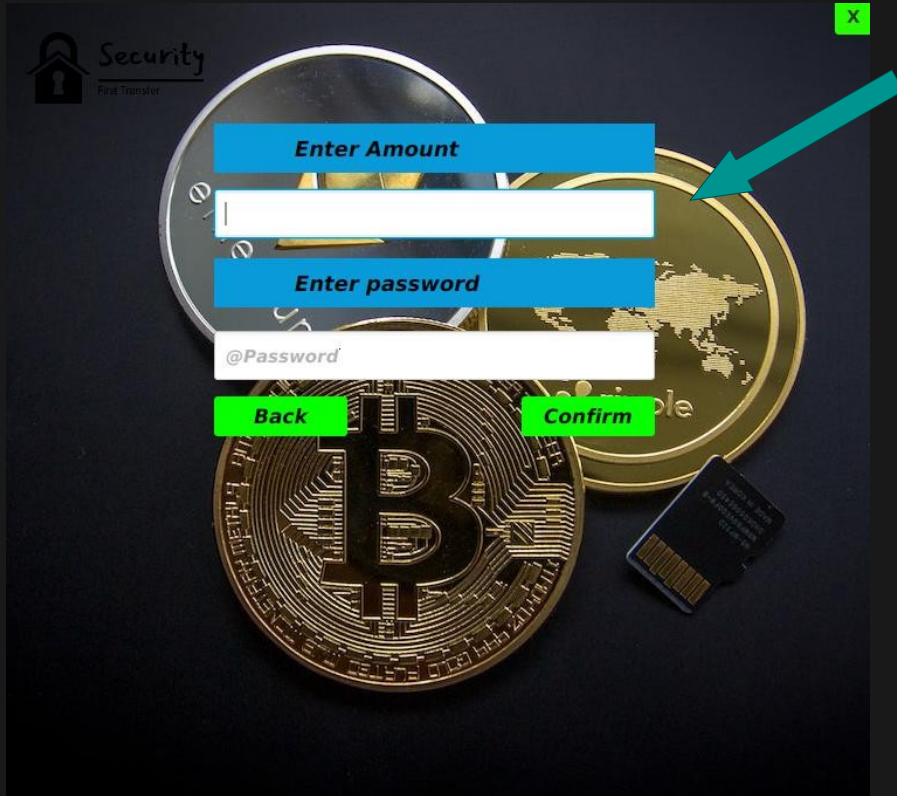
Balance Inquiry

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This allows user to get update of Account Balance

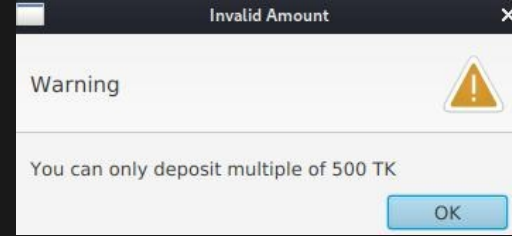
Deposit Balance



The form is titled "Security" with a sub-label "Fast Transfer". It features a background image of Bitcoin coins and a USB drive. The form includes the following elements:

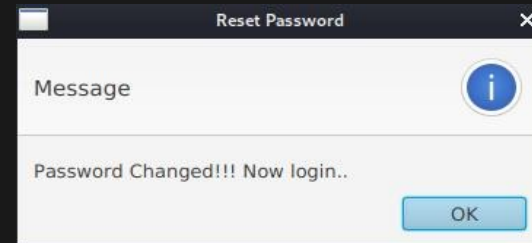
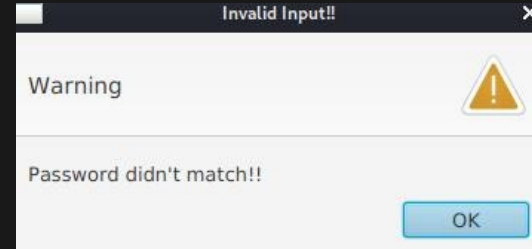
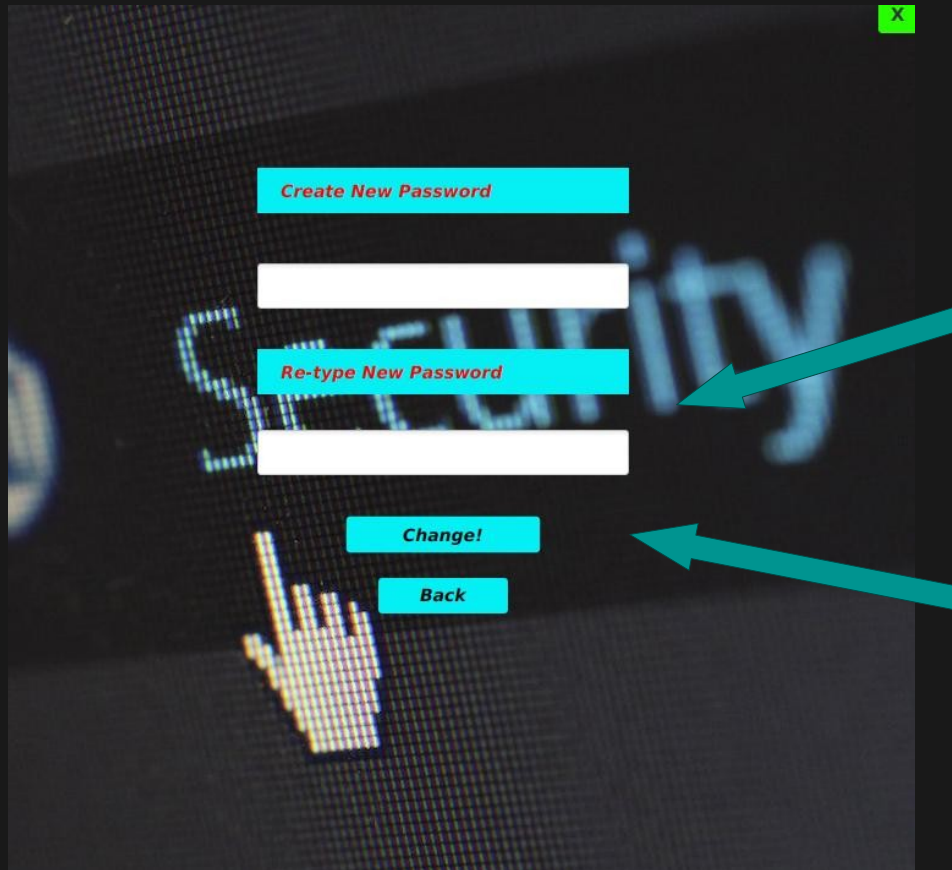
- Enter Amount**: A blue button above a white text input field.
- Enter password**: A blue button above a white text input field.
- @Password**: A placeholder text for the password field.
- Back**: A green button.
- Confirm**: A green button.

A red "X" icon is located in the top right corner of the form area. A red arrow points from the "Enter Amount" field towards the "Invalid Amount" dialog box.




User can deposit money greater than 500 tk and multiple of 500 tk

Reset Password



Password changed successfully!!!

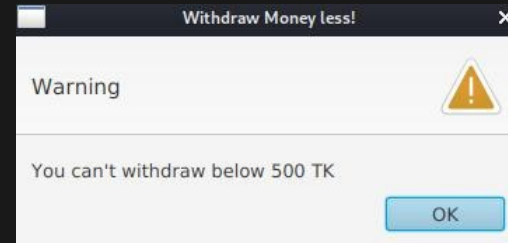
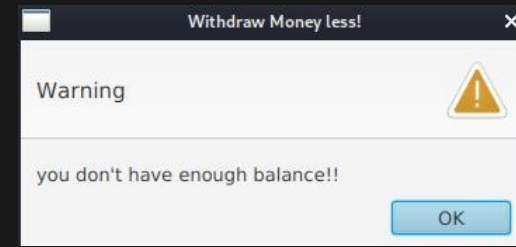


Security
Fast Transfer

Enter Amount (TK)

Enter Password

Back Withdraw

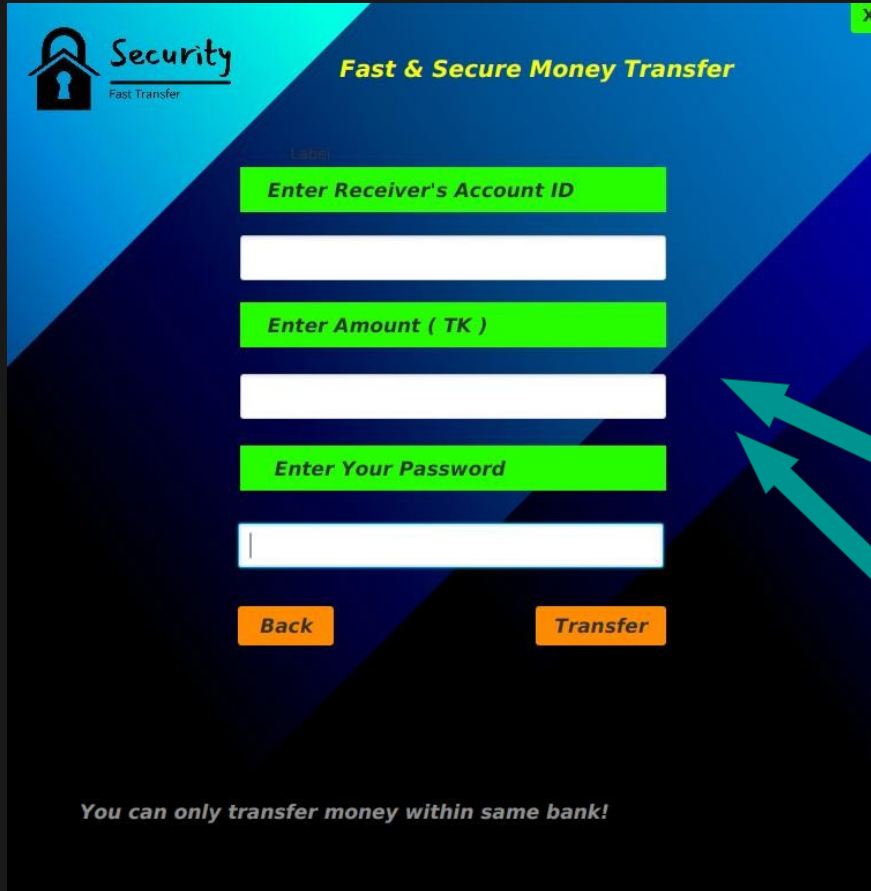


User can withdraw if there is enough
Balance in that Account
And amount should be multiple of 500 tk

Withdraw Cash

Transfer Balance

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The interface is titled "Security Fast Transfer" with a logo of a padlock and the text "Fast Transfer". It features three input fields with green labels: "Enter Receiver's Account ID", "Enter Amount (TK)", and "Enter Your Password". Below these fields are two buttons: "Back" and "Transfer". At the bottom, a message states: "You can only transfer money within same bank!". Two red arrows point from the "Transfer" button to the error dialog boxes on the right.

Security
Fast Transfer

Fast & Secure Money Transfer

Labels

Enter Receiver's Account ID

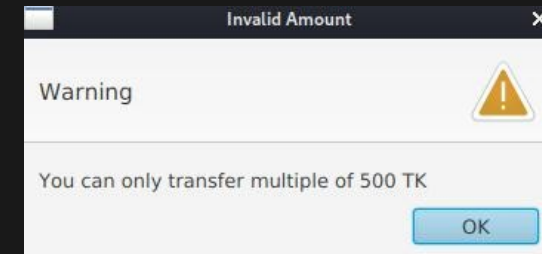
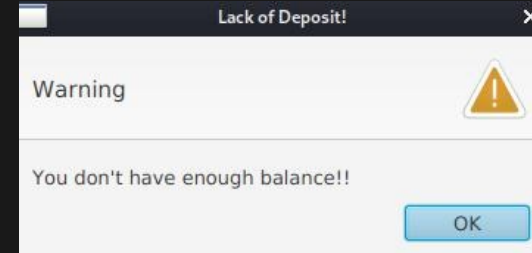
Enter Amount (TK)

Enter Your Password

Back Transfer

You can only transfer money within same bank!

User can transfer balance
> within same bank account
> If transfer money is available
> greater than 500 TK



Recent Transaction

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Here user can see last 10 Transaction

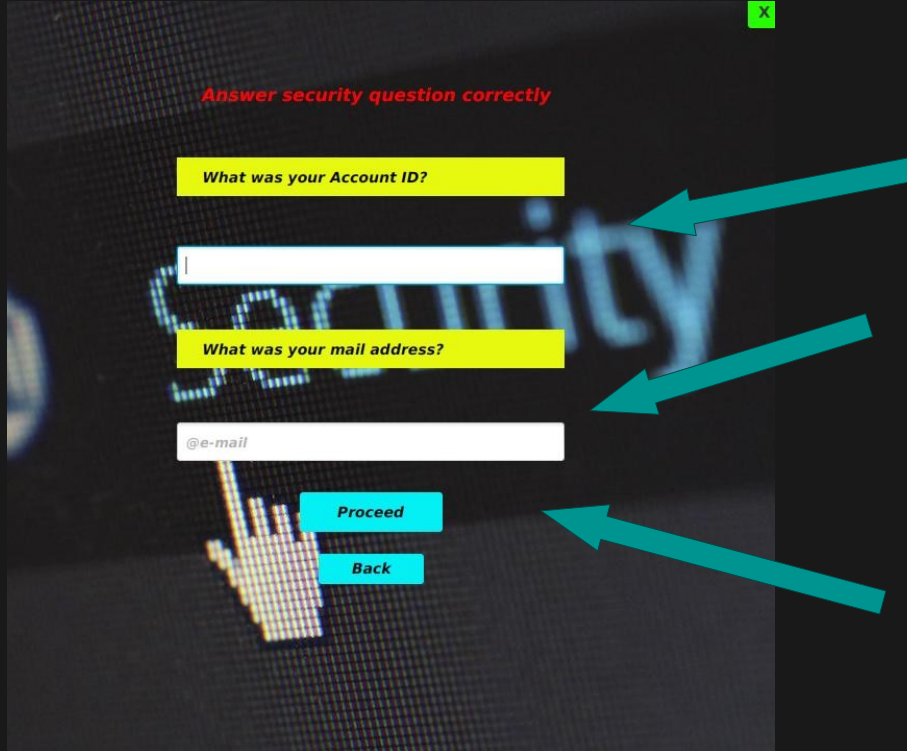
It will be updated if

- > Deposit Money
- > Withdraw Balance
- > Transfer Balance
- > Receive Money

Transaction date with exact time

Security Questions

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Answer security question correctly

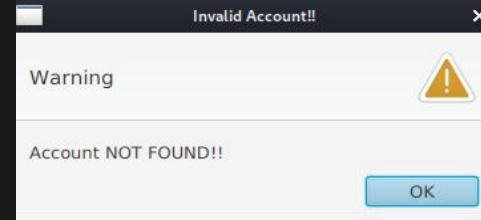
What was your Account ID?

What was your mail address?

Proceed

Back

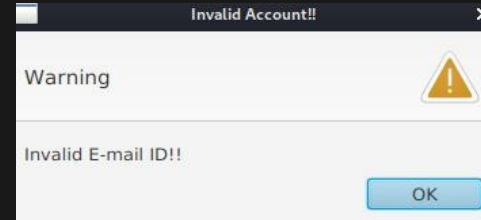
Three red arrows point from the yellow question boxes to the corresponding input fields.



Warning

Account NOT FOUND!!

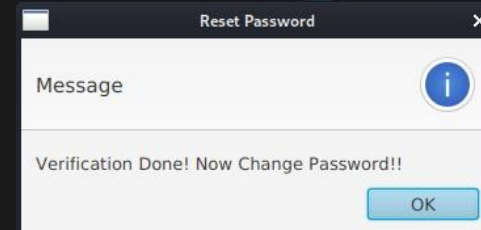
OK



Warning

Invalid E-mail ID!!

OK



Reset Password

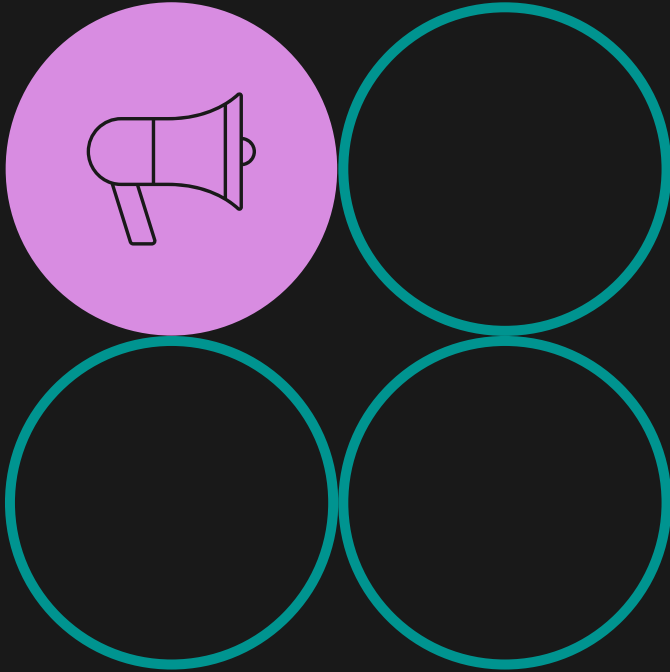
Message

Verification Done! Now Change Password!!

OK

After verifying security questions it will redirect to reset password page.

Conclusion



ATM gives the facility to access one's account 24/7 at multiple locations . It is easy to carry a slim card instead of cash. It saves people's time.

Thank you all

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Special Thanks to honourable teachers,

**Prottoy Saha ,
Assistant Professor
Dept. of CSE, KUET.**

**Sunanda Das ,
Assistant Professor
Dept. of CSE, KUET.**