

Computer Network

Assignment-1 (Protocol Design)

ATM

Bank's Centralized System

- User inserts their card
- User enters their password

- Card number & password verification

- Menu to select operation

← Successful

- Verification Checks

- Request declined

← Error

- Enter amount user wish to withdraw

← Request

- Checks account balance for sufficient funds

- User collects money

← Sends message with updated balance

- User gets insufficient funds message with option to cancel or enter a different amount.

← If no sufficient balance

- Updates the user's account and logs the transaction.