

Date ___/___/___ Computer Network

Assignment - 1 (Protocol design Continuation)ATMBank's Centralised System

- User inserts their card & enters password Verification including timestamp →
- Verifies user's details & checks timestamp to ensure it is not replay of previous transaction
- User gets a session token and a timestamp If information is valid ←
- User gets an error message If info is not valid ←
- User has to enter the amount of money to withdraw message with user's account number, withdrawal amount, session token →
- Checks account balance for sufficient funds
- User gets the cash and gets updated balance and timestamp for transaction If there are sufficient funds ←
- User gets insufficient balance message If there are no sufficient funds ←
- Updates the user's accounts, logs the transaction and matches the timestamp and session token to ensure transaction is valid.