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ATM APP

Automated Teller Machine App

Assigement Proposal

Software Development for Cloud 2.2

# Topic

ATM (Automated Teller Machine App)

# Brief Description of Main Functionality

The ATM app will be displayed in the GUI. The application will allow users to perform various banking transactions such as withdraw/deposit/transfer between accounts/check balance.

There will be a new account option, where user will be able to enter his/her details in order to open a new bank account (name, address, phone number, PIN), account number will be randomly generated.

The GUI will be designed to be user-friendly and intuitive, with clear instructions and feedback for each transaction. User will be required to input their account information, including their account number and PIN to access their account and perform transactions.

Before exiting the application, the data will be written to a file to record new data/changes permanently. When the ATM app is run again, the data will be read from the file and displayed in the GUI.

# Classes

* Login Screen
* Bank Account Display
* Customer Details

\*\*scope might change, I am planning to use inheritance/polymorphism so more classes might be added along the way\*\*

# Data

Each banking account data will include:

* Full Name
* Sex
* Occupation (employed/unemployed/student/senior)
* Address
* Phone Number
* Email Address
* Randomly Generated Account Number
* PIN number
* Account Details:

1. Balance
2. Whether or not the balance is in dept (negative)
3. Whether or not the person is a student