Personal task in fifth week:

Sequence Diagrams for ATM Machine.

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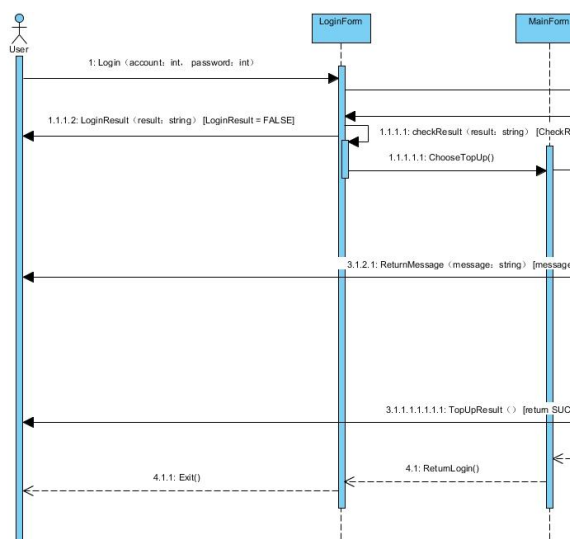Team Name:____Ming____

GitHub Repository:____https://github.com/OOPClassTeamMing/OOPClassRepository.git__

Date:___2017/12/12____

GitHub Username:____851414135__

We can design several modules for the user in the process firstly: withdrawals, deposits, query, transfer accounts and password modification.

1. Top up Phone

There are In the sequence diagram that we have

implemented the user goes to the atm and login to the account using an account id and password. When the user login to the account the id and password will be verified via the bank database. When the details are verified the database send a message back to the login form and customer checks the result. If the id and pass is wrong the login will fail and the customer will be returned to the main page. If the login is successful the customer can choose top up phone option and use cash to the machine, then the machine counts the cash, return the counted amount and top up the money in the phone. When the money is recharged, customer will get a message about the successful transaction.

We have also designed the atm for top up in a way that the user can use the money in his bank account. So if user chooses to use   money in the bank card, then the machine will prompt user to input money amount and the bank will check if the account has enough money and send message to the machine, if there is balance the machine displays the top up result is successful. Otherwise it will take the user to the main page to exit.