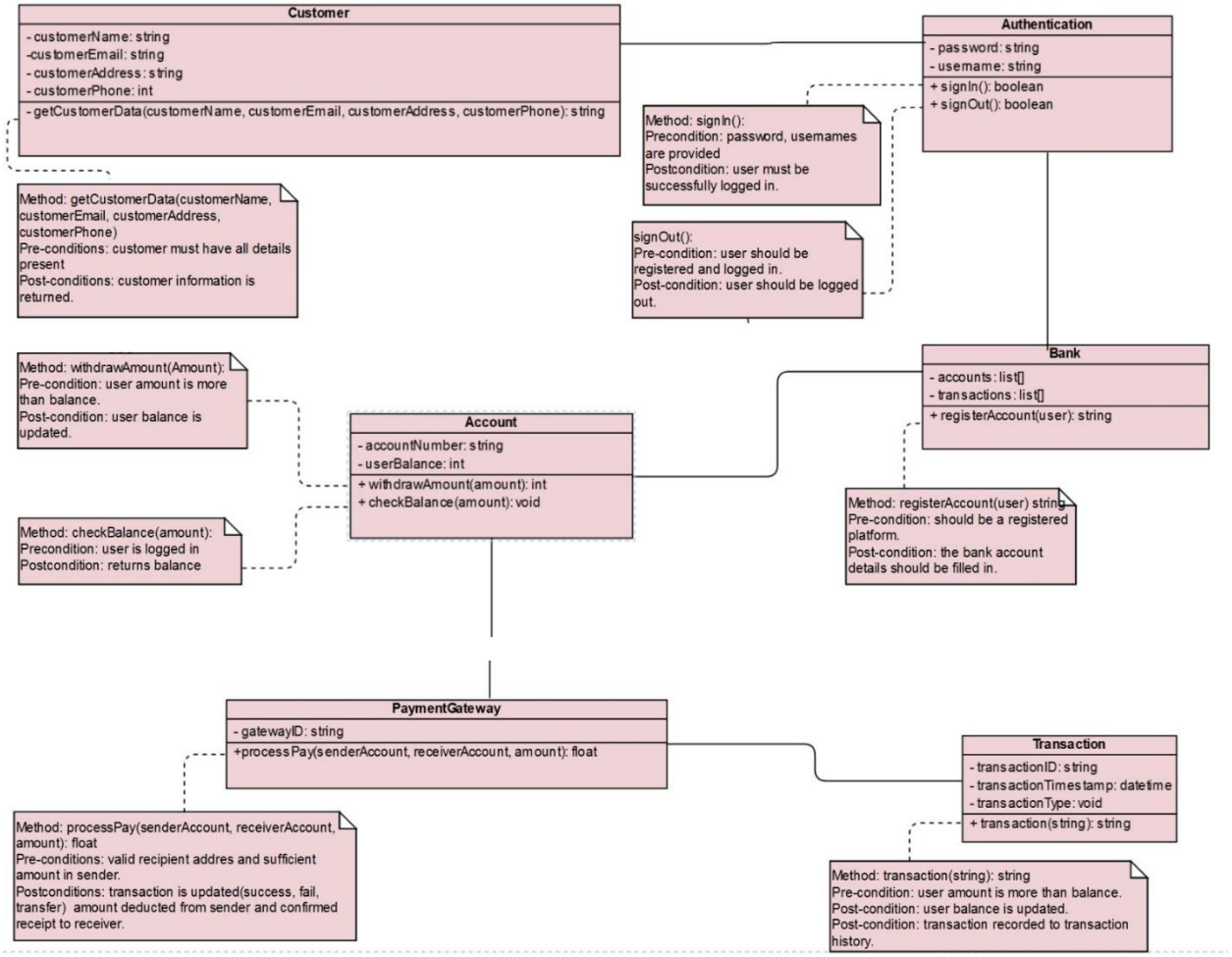
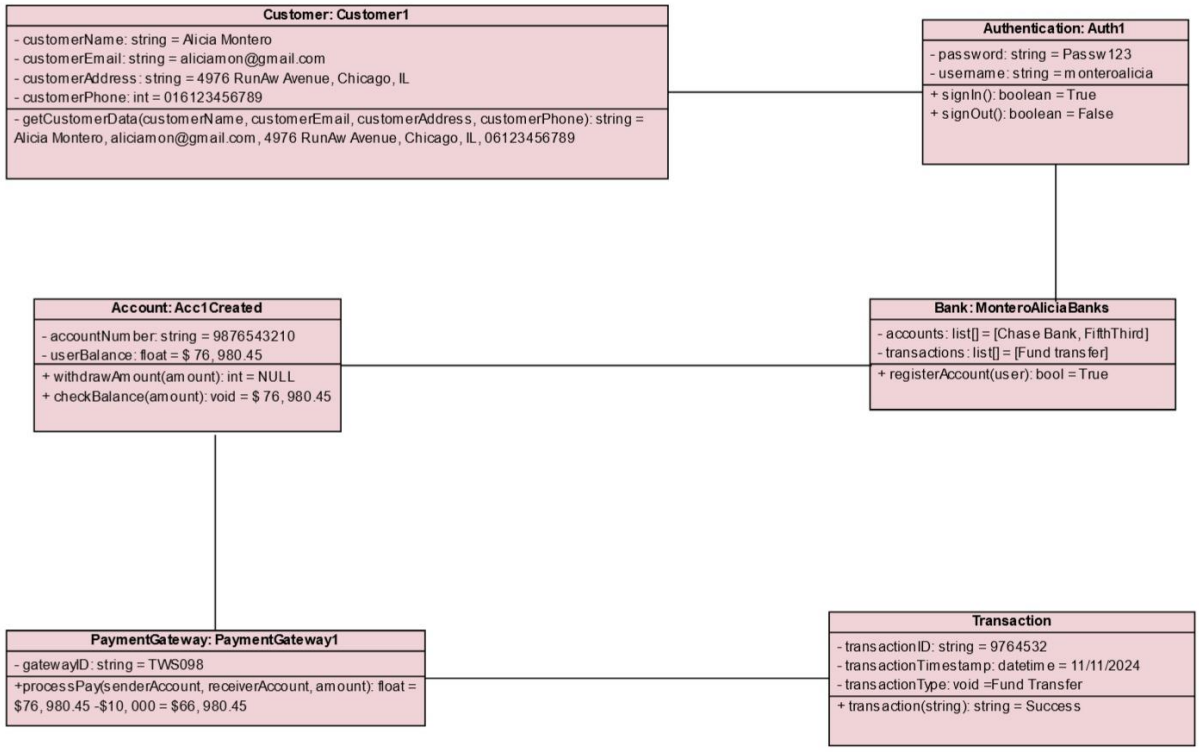
HOMEWORK 5

CLASS DIAGRAMS



OBJECT DIAGRAMS



CLASS DIAGRAM DESCRIPTION AND INTENT IN PROJECT

Customer Class

- This class ensures that users, and potential users have access to register and log into the platform by keying in the information required within the fields provided.

Authentication Class

- This class ensures only registered users have access to the platform. It uses their usernames and password to verify their sign in and allow them onto the interface of the platform.

Bank Class

- One of the functionalities of the project is to allow users enter bank accounts they have even from different banks. This class is available to allow the users add accounts from different bank accounts they may have, and or multiple accounts they may have within the same bank.

Account Class

- This class is to allow users to enter various bank account information, allows users to add details of each bank account they may want to add within the platform. It also stores and allows users to see their balances.

PaymentGateway Class

- Allows registered users to pay for services autonomously, allows users to send money.
- It carries out the transactions by acting as the bridge between the sender and receiver.

Transaction Class

- Allows users to view the details of their transactions.
- Shows transaction type, transaction status, whether success, fail or success and information of the transaction, if it be the date, and the transaction ID.

References

- *Visual Paradigm for UML Diagramming; https://online.visual-paradigm.com/diagrams/templates/class-diagram/*
- *Systems Analysis and Design: An Object-Oriented Approach with UML by Alan Dennis and Barbara Wixom*
- *ChatGPT AI; https://chatgpt.com/*
- *Google; https://www.google.com/*