

Requirement Report

Banking system

Team3

student xxxx

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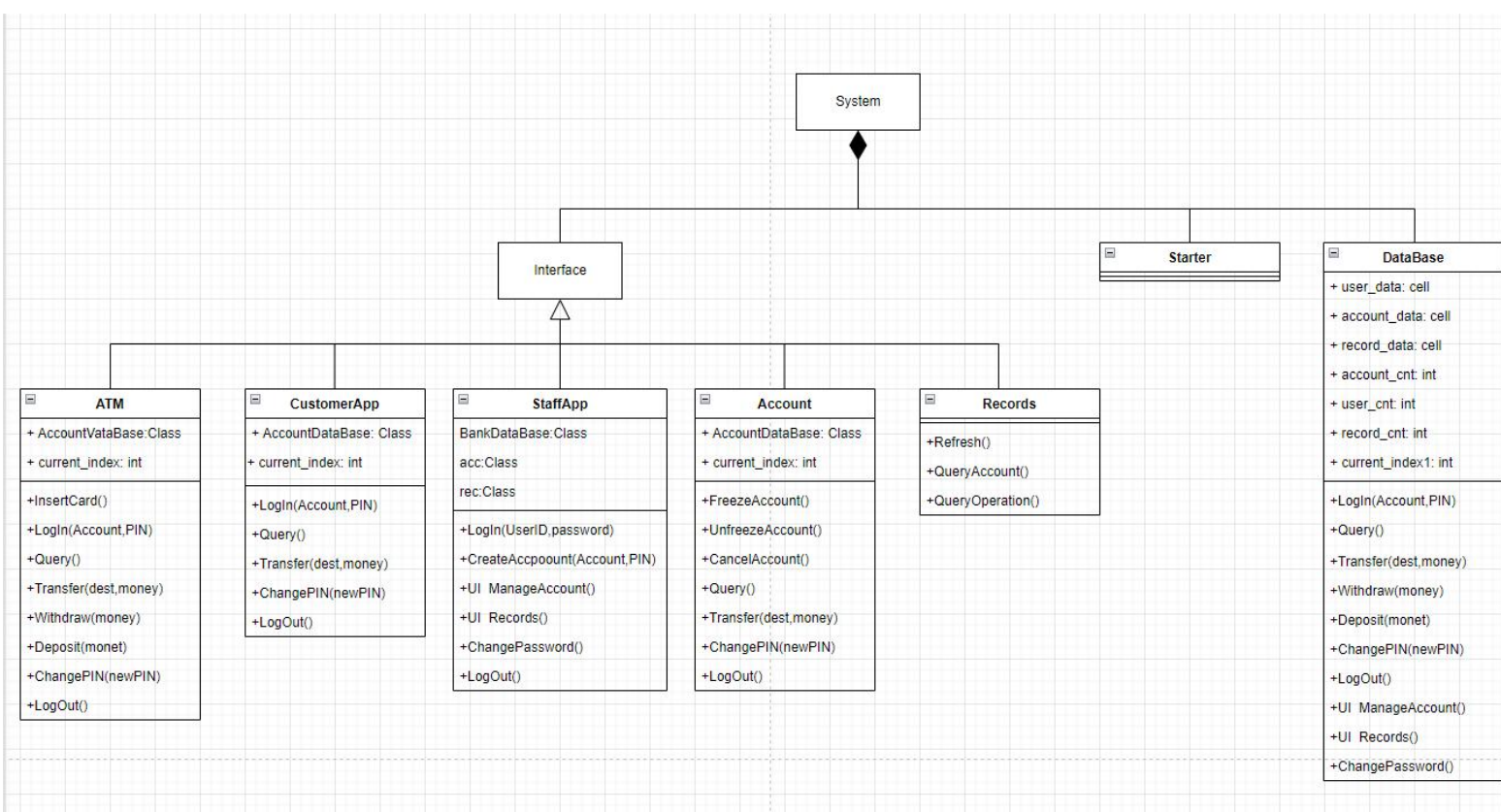
System Objective

In this project we will develop a banking system with UIs that offers a variety of services to the customer and the staff member. The UI will enable the customer to transfer money, withdraw money, deposit money, change password etc. The UI will enable the staff more powerful things including freeze and unfreeze the account, cancel the account and query the record etc.

The system will enforce strict check to ensure safety, including check correctness the account and password, check the validity of money etc.

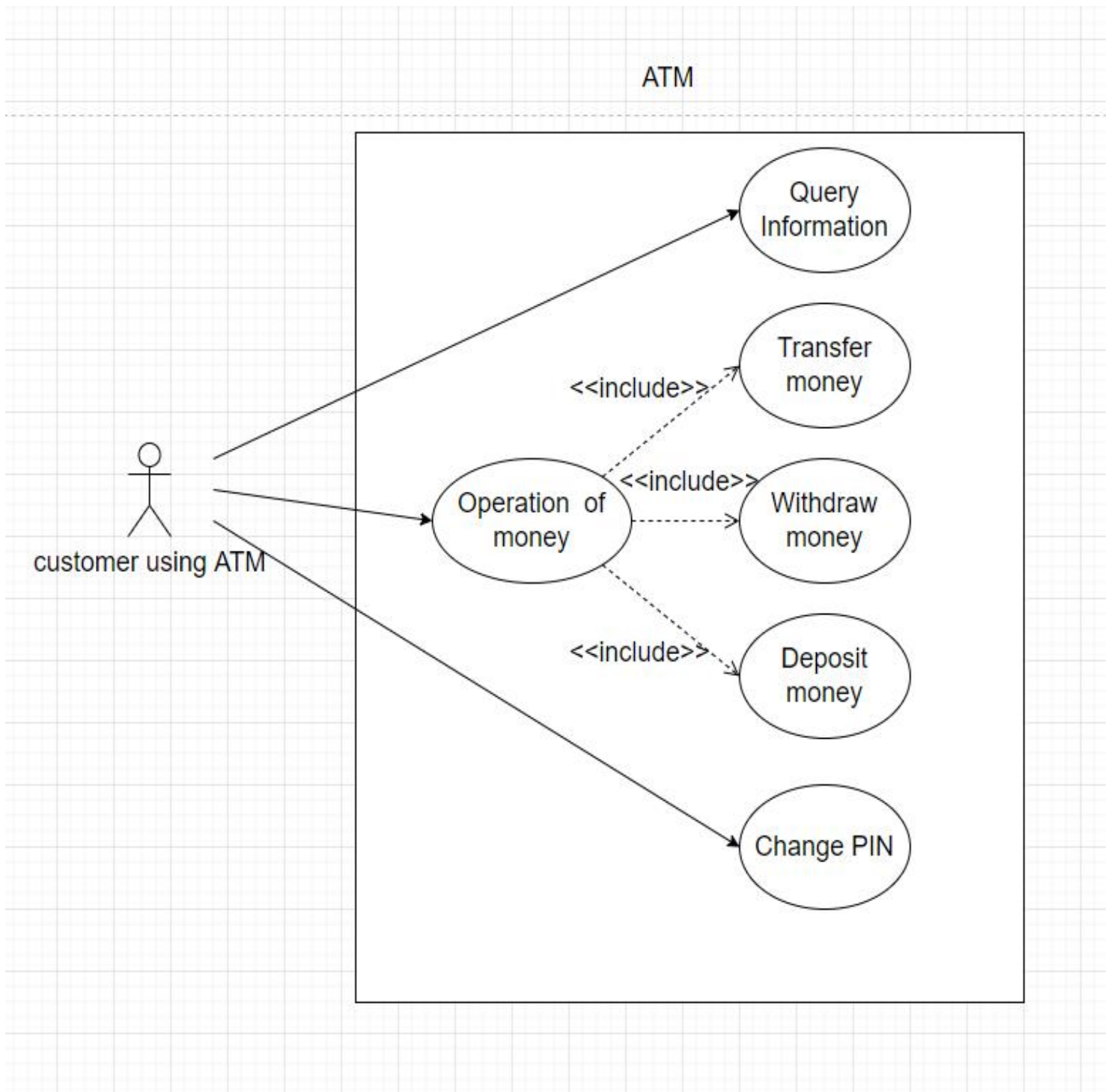
System Structure

This is the structure of the whole system

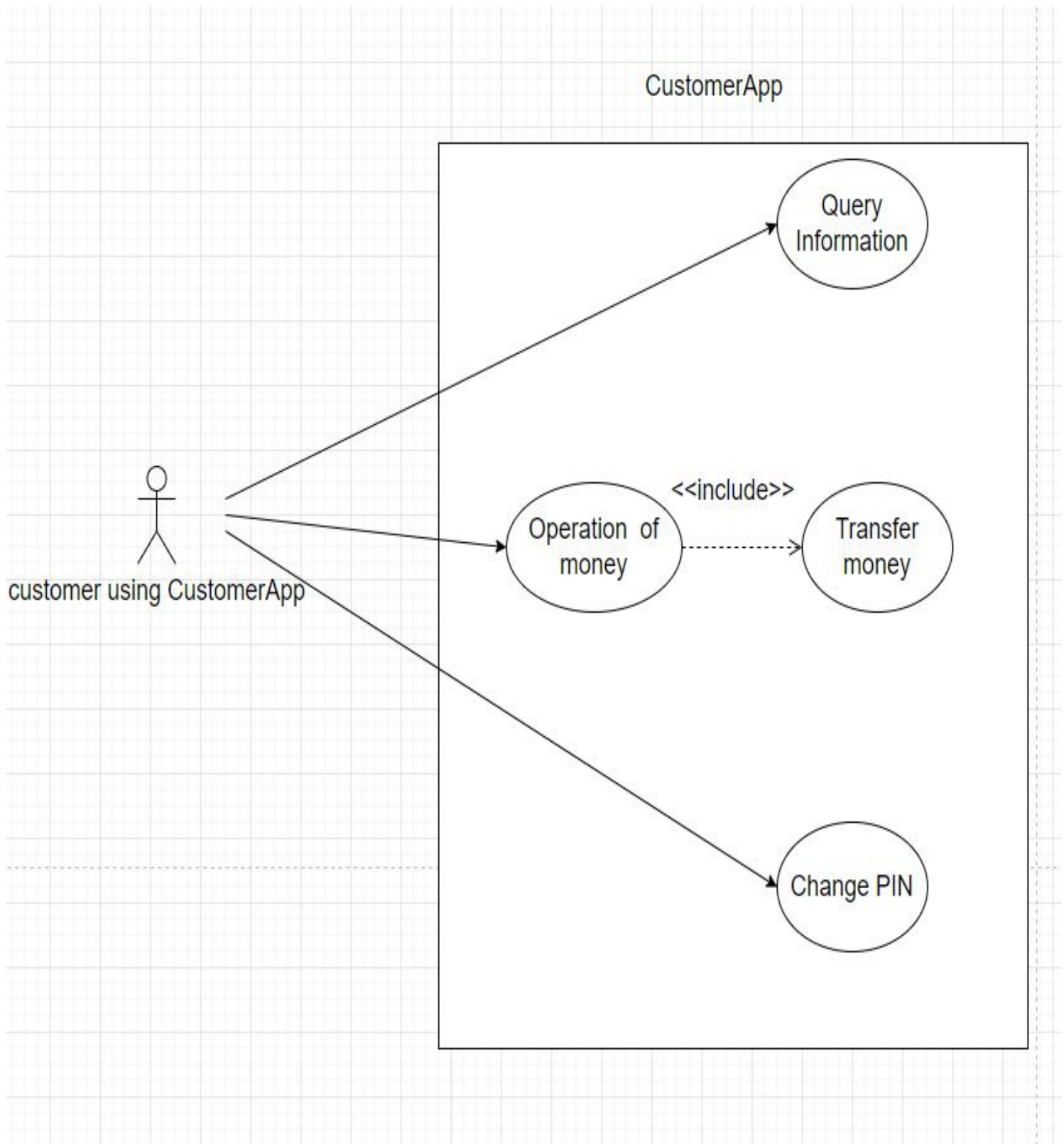


Use cases

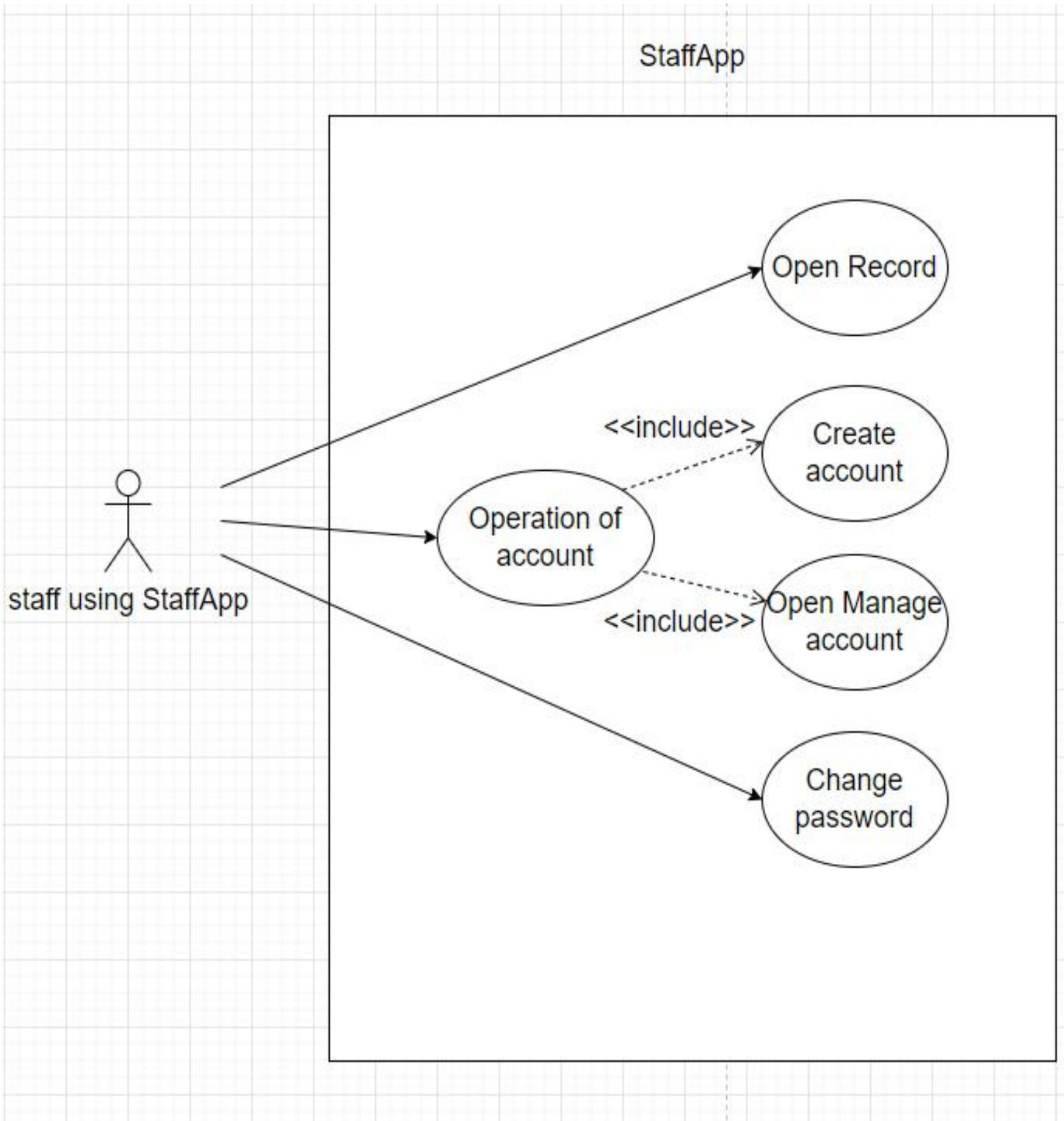
The following is use case of customer using ATM



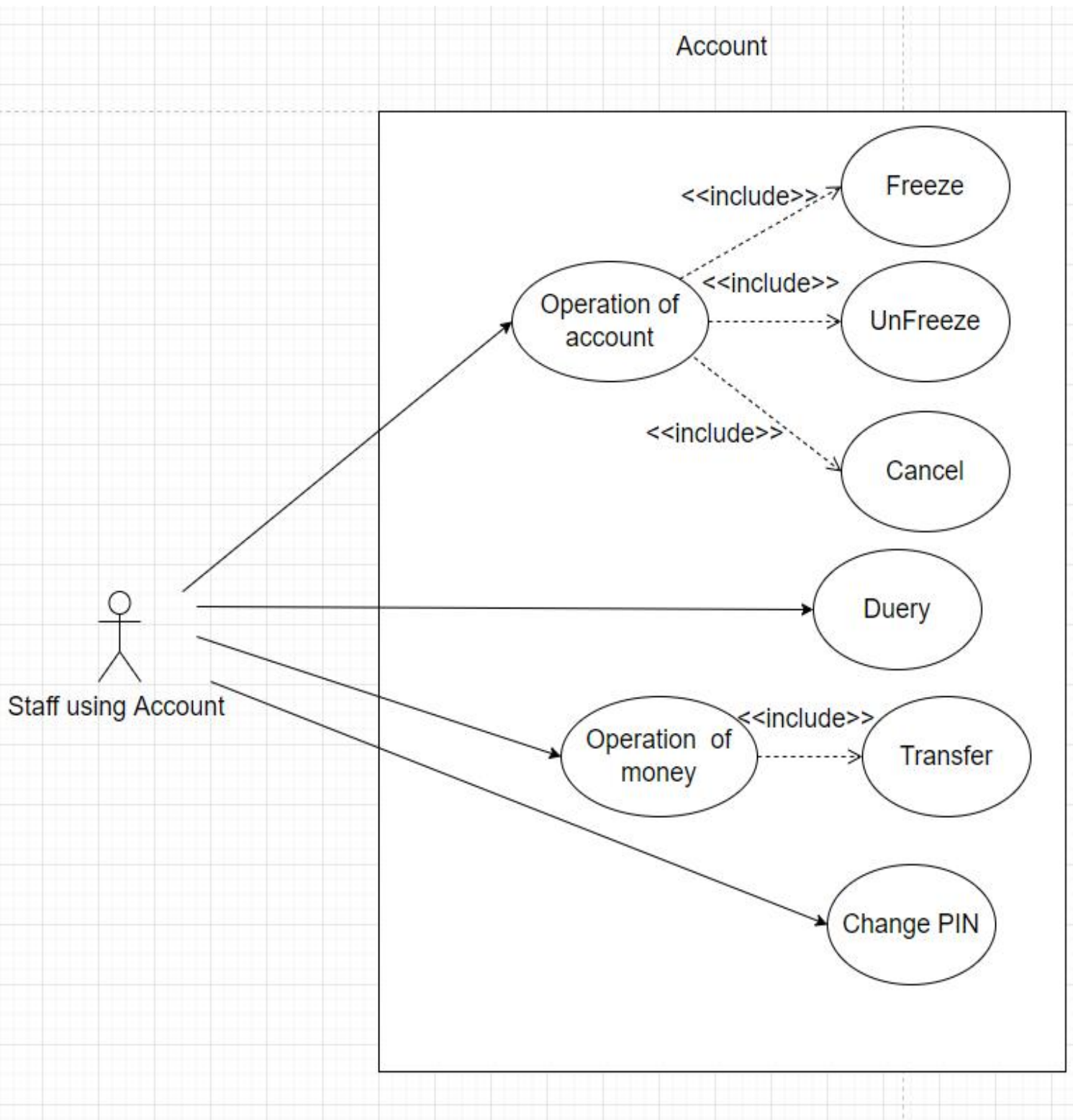
The following is use case of customer using CustomerApp



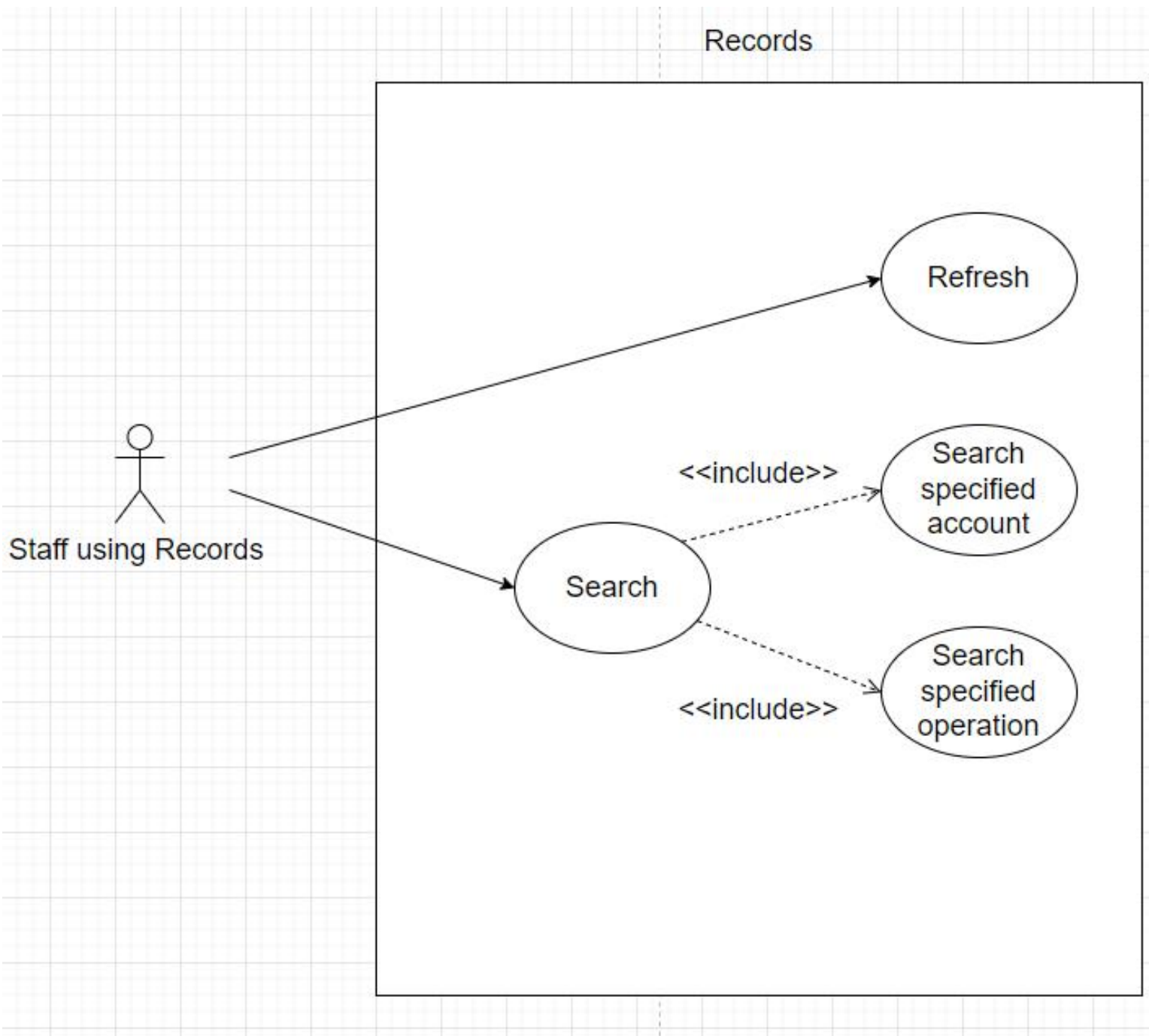
The following is use case of staff using StaffApp



The following is use case of staff using Account



The following is use case of staff using Records



Software Requirement

Notice: ATM, CustomerApp, StaffApp, Records and Account are the name of 5 UI.

In the following part, Records is an UI, while records means a line that stores information in Records. Account means an UI, while account means something customer created to use the Apps and user account means something staff created to use the Apps.

ATM and CustomerApp will only be used by customer. StaffApp, Records and Account can only be used by staff.

R1 ATM

- R1.1 customer can insert card to ATM

- R1.2 customer can log in account in ATM

- R1.3 customer can query using ATM

- R1.4 customer can transfer money using ATM

- R1.5 customer can withdraw money using ATM

- R1.6 customer can deposit money using ATM

- R1.7 customer can change PIN using ATM

- R1.8 customer can log out account in ATM

R2 CustomerApp

- R2.1 customer can log in account in CustomerApp

- R2.2 customer can query using CustomerApp

R2.3 customer can transfer money using CustomerApp

R2.4 customer can change PIN using CustomerApp

R2.5 customer can log out account in CustomerApp

R3 StaffApp

R3.1 staff can log in user account in StaffApp

R3.2 staff can create account in StaffApp

R3.3 staff can open Account in StaffApp

R3.4 staff can open Records in StaffApp

R3.5 staff can log out in StaffApp

R4 Records

R4.1 staff can search record of specified account in Records

R4.2 staff can search record of specified operation in Records

R4.3 staff can refresh the record in Records

R5 Account

R5.1 staff can freeze specified account in Account

R5.2 staff can unfreeze specified account in Account

R5.3 staff can cancel specified account in Account

R5.4 staff can query specified account in Account

R5.5 staff can transfer money for specified account in

Account

R5.6 staff can Change PIN for specified account in Account

R5.7 staff can log out in Account