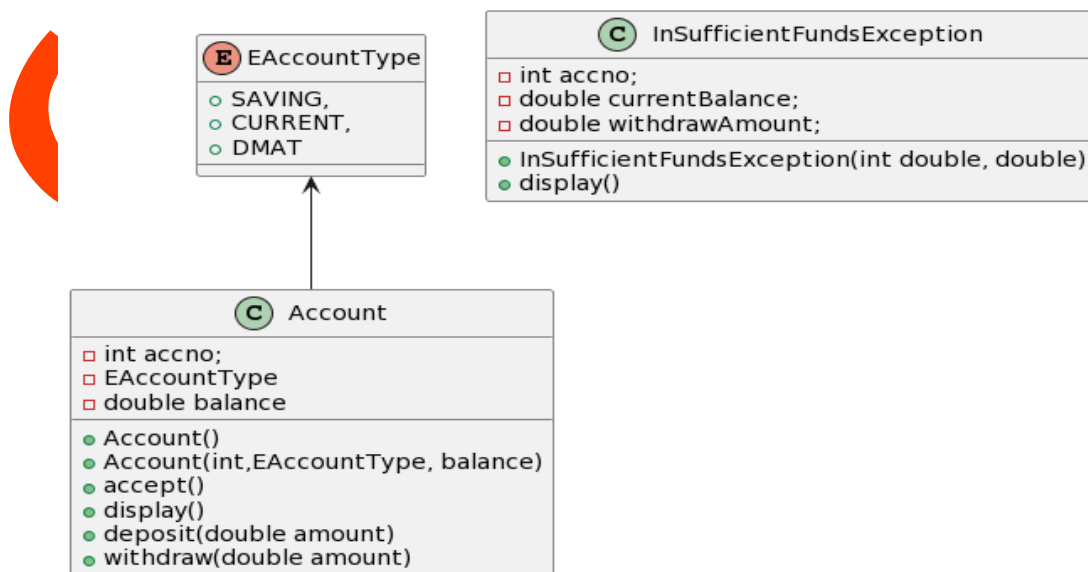# Optional Assignment 1

Q1. Write a class to store Account information of Bank customer by using following class diagram.
Use enum to store information of account type.
Create an array of 5 Accounts in main() and accept their details from user.
Write Menu driven program to deposit/withdraw amount from the account.
After each transaction display updated account balance.
Throw exceptions for invalid values.
Also implement an exception class InsufficientFundsException.
In withdraw if sufficient balance is not available in account or while deposit the entered amount is negative then throw this exception.

EAccountType (E)
- SAVING,
- CURRENT,
- DMAT

InSufficientFundsException (C)
- int accno;
- double currentBalance;
- double withdrawAmount;

- InSufficientFundsException(int double, double)
- display()

Account (C)
- int accno;
- EAccountType
- double balance

- Account()
- Account(int,EAccountType, balance)
- accept()
- display()
- deposit(double amount)
- withdraw(double amount)

Q2. Modify above question to save all accounts data into STL vector. Provide additional facility to display all accounts.