Level II Use Case Diagram

El Paso Miners Bank

Use case shape key

- Actor
- Use case
- Use case extension
- System

Create User

Withdraw Money

Deposit Money

Banking Transactions
Extension Points
Search User by Name

<<extends>>

Search user by name

<<extends>>

Transfer Money
Extension Points
Pay someone else

<<extends>>

Pay Someone Else

Inquire Balance

<<includes>> → Input Bank Account Information

Generate Bank Statement

<<includes>>

Complete Transactions

<<includes>> → Error message

<<includes>> → Log and Update Data

Customer

Bank Manager

Database
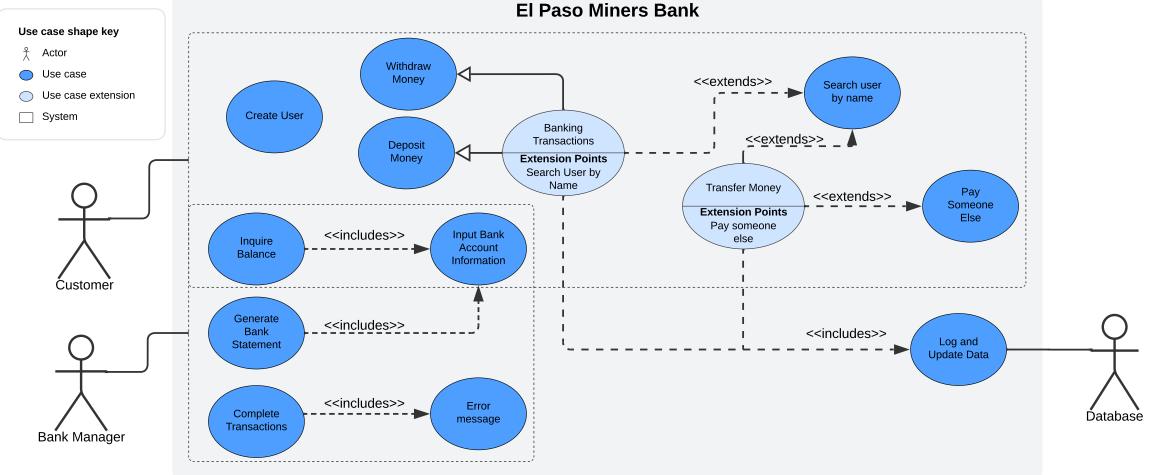
Actor Descriptions:
1. Bank Manager: Can inquire about any bank account, and complete transactions from a given file.
2. Customer: Can inquire about their bank account, perform banking transactions, and transfer money.
3. Database: Can log and update data within the bank (accounts, balances, and more).

Use Case Descriptions:
1. Banking transactions is a generalization of depositing and withdrawing money.
2. Pay someone else extends transfer money
3. Inquire balance and generating a bank statement includes inputting bank account information (account type, name or number)
4. To transfer money or to make transactions, a user may optionally search by name.
5. Completing transactions (bank manager) includes giving error messages based on invalid input.

Assumptions:
- When a person wants to make a banking transaction, they can deposit or withdraw money from their account
- When a bank manager inquires about a balance, they can inquire about any account
- When a customer inquires about a balance, they can inquire about their own account
- When transferring money, a person will transfer to their own account, or they can optionally transfer to someone else
- The database is not a class, but an automatic part of the system that interacts with the system.