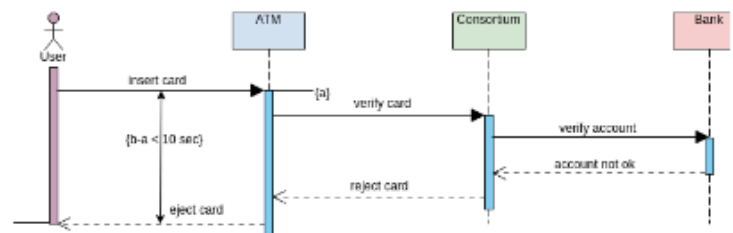
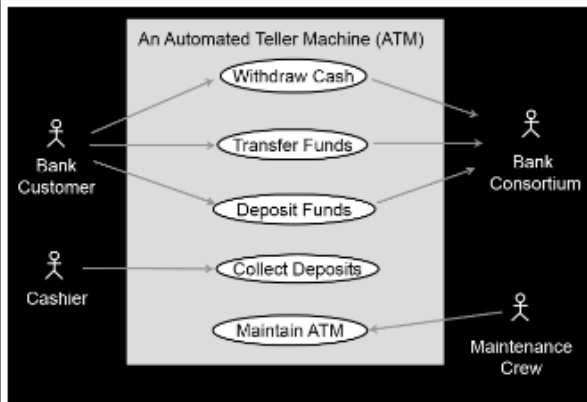


UML Use Case Modeling

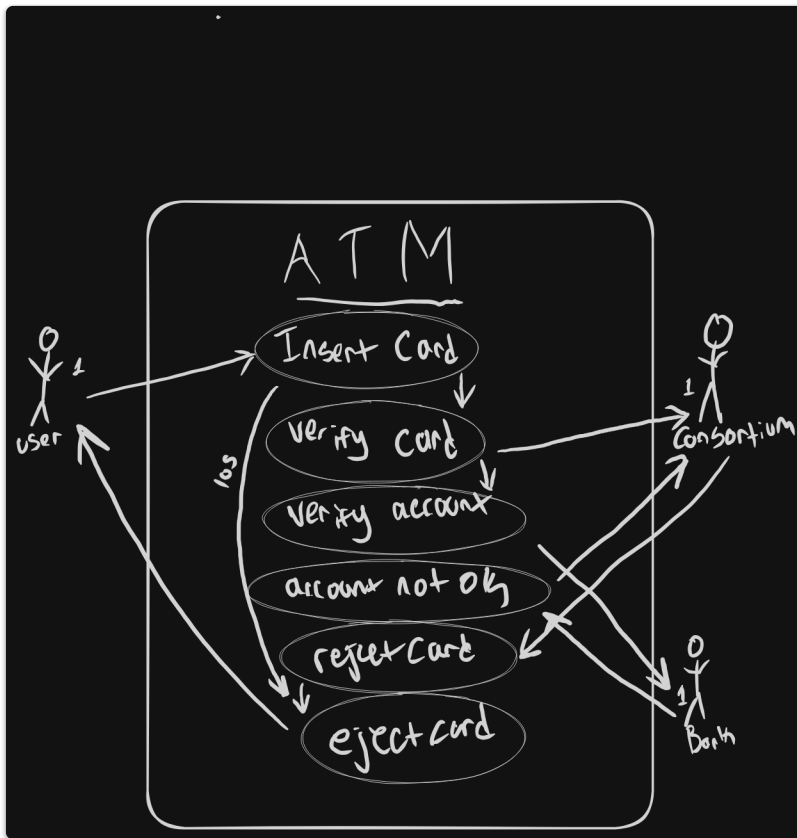
In-Class Problem

1. Identify the actors, system, and use cases in the Use Case diagram below.
2. Redraw the Sequence Diagram below as a Use Case diagram.
3. Add the correct multiplicity arrows to No. 2 above.
4. In your own words, define:
 - a. Include
 - b. Extend
 - c. Generalization
5. Define in your own words the steps in creating a Use Case diagram.



1. .

1. Actors: Bank Customer, Bank Consortium, Cashier, Maintenance Crew
2. System: ATM itself
3. Use Cases: Withdraw Cash, Transfer Funds, Deposit Funds, Collect Deposits, Maintain ATM



- 2.
3. ^
4. .

1. Include: says that a specific use case calls another used if there is a sub task that is used a lot.
2. Extend: Similar to include, but not required. Shows optional behavior that is not essential to the main use case
3. Generalization: Inheritance, makes multiple use cases converge to one.
5. First start by identifying the Use cases, then describe each of them with a little more detail. Next, show the step by step flow that the user go through during the process. Finally, provide an even more detailed description for each step of the flow.