**ATM Test Cases**

**Withdrawal**

1. User inserts an unrecognizable card that is spoilt or of a different standard into the ATM – ATM rejects card and ejects it out.
2. User inserts a correct card into the ATM – ATM prompts enter pin screen.
3. User enters wrong pin – 1st trial, prompt try again message
4. User enters wrong pin – 2nd trial, prompt try again message
5. User enters wrong pin – 3rd trial, confiscate card
6. User enters correct pin – ATM prompts a menu with options to withdraw, overdraw, eject card and other options as well.
7. Select transaction (withdraw) – prompt screen to allow for input of amount
8. Input amount to withdraw (insufficient amount) - the account does not have sufficient money to allow for a withdrawal, prompt insufficient balance message.
9. Input amount to withdraw (enough amount) – the account has sufficient money to allow for a withdrawal, count the amount of money keyed in and give to the user.
10. Generate and print receipt for the user and eject card.

**Overdraw**

1. User inserts an unrecognizable card that is spoilt or of a different standard into the ATM – ATM rejects card and ejects it out.
2. User inserts a correct card into the ATM – ATM prompts enter pin screen.
3. User enters wrong pin – 1st trial, prompt try again message
4. User enters wrong pin – 2nd trial, prompt try again message
5. User enters wrong pin – 3rd trial, confiscate card
6. User enters correct pin – ATM prompts a menu with options to withdraw, overdraw, eject card and other options as well.
7. User selects overdraw option – the account has sufficient money to not allow an overdraw but instead a normal withdrawal, allow for a normal withdrawal, prompt input amount to withdraw screen.
8. ATM counts the money keyed in and gives to the user.
9. ATM generates and prints receipt for the user and ejects card.
10. Select transaction (overdraw) – the account does not have sufficient money so it will allow for an overdraw. Prompt validation process
11. Check the amount of money that the user can overdraw based on their history record.
12. Enter amount to withdraw that is not within the limit – prompt error message
13. Enter amount to withdraw that is within the limit -count amount of money keyed in and give to the user.
14. Generate and print receipt for the user and eject card.