Assignment 1 Analysis Group 11

Blackbox Testing

Database Analysis:

A diagram of a computer

Description automatically generated with medium confidence

A screenshot of a computer program

Description automatically generated

1. ATM Session Test:
   1. PIN format test by using Robust Worst Case Boundary Value Analysis
      1. Correct test, mock the correct dispatcher.checkCredentials, with the len of 5, and all the character smaller than ‘9’ and larger than ‘0’
      2. Incorrect test, mock the incorrect dispatcher.checkCredentials
      3. Len = 4 or len = 6
      4. ‘/’ or ‘:’ since in the ascii code, those are the value just smaller or larger than ‘0’ or ‘9’
   2. Withdraw amount test by using Robust Worst Case Boundary Value Analysis
      1. **Test Case 1 (Lower Boundary)**: Try to withdraw $-1. The system should reject this because it's below the minimum valid amount.
      2. **Test Case 2 (Lower Boundary)**: Try to withdraw $0. The system should accept this because it's the smallest valid amount.
      3. **Test Case 3 (Lower Boundary)**: Try to withdraw $1. The system should accept this because it's just above the smallest valid amount.
      4. **Test Case 4 (Upper Boundary - Daily Limit)**: Try to withdraw $980. The system should accept this because it's just below the daily limit.
      5. **Test Case 5 (Upper Boundary - Daily Limit)**: Try to withdraw $1,000. The system should accept this because it's the daily limit.
      6. **Test Case 6 (Upper Boundary - Daily Limit)**: Try to withdraw $1,020. The system should reject this because it's just above the daily limit.
      7. **Test Case 7 (Upper Boundary - Account Balance)**: Try to withdraw $4,999. The system should accept this because it's just below the account balance.
      8. **Test Case 8 (Upper Boundary - Account Balance)**: Try to withdraw $5,000. The system should accept this because it's the account balance.
      9. **Test Case 9 (Upper Boundary - Account Balance)**: Try to withdraw $5,001. The system should reject this because it's just above the account balance.