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CS 3354.007

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Homework 7

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| --- | --- | --- | --- | --- | --- |
| **Input Element** | **Type** | **Value Specification** | **Valid** | **Invalid** | **Exceptional Cases** |
| Bank Account Number | String | Length must be between 8-17 numeric characters | Account Number meets value specifications | Account Number does not exist or contains non-numeric characters | Account Number does not fit length requirement. |
| Transfer Amount | Double | Positive real number greater than arbitrary minimum and less than or equal to user balance and arbitrary limit determined by  bank | Amount meets value specifications | Amount is below minimum, exceeds user balance, or exceeds limit | Amount is negative |

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| --- | --- | --- | --- |
| **Test Case** | **Bank Account Number** | **Transfer Amount** | **Expected Outcome** |
| 1 | Valid | Valid | ATM confirms that the given amount has been successfully transferred. |
| 2 | Valid | Invalid | ATM displays error message. |
| 3 | Valid | Exception | ATM displays error message. |
| 4 | Invalid | Valid | ATM displays error message. |
| 5 | Invalid | Invalid |  |
| 6 | Invalid | Exception |  |
| 7 | Exception | Valid | ATM displays error message. |
| 8 | Exception | Invalid |  |
| 9 | Exception | Exception |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Case** | **Bank Account Number** | **Transfer Amount** | **Expected Result** |
| 1 | “123456789” | 410.50 | “$410.50 Successfully Transferred to Account 123456789.” |
| 2 | “123456789” | 0.00 | "Transfer amount must be between $1.00 and $5000.00." |
| 3 | “123456789” | -50.00 | "Transfer amount must be between $1.00 and $5000.00." |
| 4 | “1234567899999999990” | 10.99 | “Provided Account Number does not exist.” |
| 7 | “$$%#)(@&;” | 45.00 | "Account Number must only contain digits." |

**The Project was made in IntelliJ with Gradle, and the Test Cases were implemented with JUnit.**

A screenshot of a computer program

AI-generated content may be incorrect.