**Dante Beltran**

**Bank Program – Test Plan**

**Menu Processing**

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| *Condition Description* | *Sample* | *Result* |
| Add account | User enters a or A | Proceeds to add account processing |
| Display account | User enters d or D | proceeds to display account processing |
| Update account | User enters u or U | Proceeds to update a balance by depositing or withdrawing |
| Print accounts | User enters p or P | Proceeds to print all the account |
| Monthly update | User enters m or M | Takes the fee or interest out of the account |
| Quit | User enters q or Q | Quits the bank |
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**Account Processing**

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| *Condition Description* | *Sample* | *Result* |
| Enter type of account – valid entry | User enters “S” or “C” | Runs prompts for chosen account |
| Enter type of account – Invalid input | User enters anything other than  “S” or “C” | Error. Please try again |
| Enter the first name – Valid input | User enters ABC | First name added to the savings or checking account object |
| Enter the first name – invalid input | User enters 1234 | Not valid try again  Please enter the first name of the account holder |
| Enter the last name – Valid input | User enters any ABC | Last name added to the savings or checking account object |
| Enter the last name – invalid input | User enters 1234 | Not valid try again  Please enter the last name of the account holder |
| Enter the phone number – valid input | xxx-xxx-xxxx (the x’s are numbers) | Phone number added to the savings or checking account object |
| Enter the phone number – invalid input | User enters 1111111111, ABC | Invalid phone number  Please enter the phone number |
| Enter the email – Valid input | User enters dante.beltran@gmail.com | Email added to the savings or checking account object |
| Enter the email – invalid input | User enters 111111111, ABC | Invalid email, enter the email address |
| Enter the account number – valid input | User enters 1-1000 | Account Number added to the savings or checking account object |
| Enter the account number – invalid input | User enters 0 or 1001 | Please enter an the account number |
| Enter the account number – invalid input | Users enters a duplicate account number | Account number has been taken.  Account has not been successfully added. Please try again |
| Enter the account number – invalid input | User enters a word instead of a number | That is not a valid value |
| Enter the balance – valid input | User enters a number greater than zero | Balance added to the savings or chequing account |
| Enter the balance – invalid input | User enters a word/ negative number | That is not a valid value |
| Enter the minimum balance -valid input | User enters a number greater than 0 but less than the balance | Minimum balance added to the savings account |
| Enter the minimum balance – invalid input | User enters a negative number or a number greater than the balance | That is not a valid value |
| Enter the interest rate -valid input | User enters a number between 0-1 | Interest rate added to the savings account |
| Enter the interest rate – invalid input | User enters a number not between 0-1 or a word | That is not a valid value |
| Enter the fee – valid | User enters a number greater than zero | Fee added to chequing account |
| Enter the fee - invalid | User enters a number less than 0 | That is not a valid value |

**Display Processing**

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| *Condition Description* | *Sample* | *Result* |
| Selecting account to find in system – valid input | User enters correct account number | Finds the index of the account |
| Selecting account to find in system – invalid input | User enter ABC | Sorry, we could not find your account in our system |
| Selecting account to find in system – invalid input | User tries to find an account that does not exist | Error no accounts have been created. |
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**Update Account Processing**

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| *Condition Description* | *Sample* | *Result* |
| Selecting account to find in system – valid input | User enters 123456789 | Finds the index of the account |
| Selecting account to find in system – invalid input | User enter ABC | Sorry, we could not find your account in our system |
| Selecting a balance to deposit or withdraw from your account – valid input | User enters 100 | You have successfully altered your bank account |
| Selecting a balance to deposit or withdraw from your account – valid input | User enters -100 | You have successfully altered your bank account |
| Selecting a balance to deposit or withdraw from your account – invalid input | User enters ABC | Error  Input mismatch exception. |

**Monthly Update Processing**

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| *Condition Description* | *Sample* | *Result* |
| Running monthly update with at least 1 account | M or m | success |
| Running with no accounts | M or m | Null pointer exception |
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