**Testing Document and Specification**

Test Reports

Commerce Bank Web Application – Group 4

CS 451R

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# **Introduction**

This document outlines the outcome of completed system tests. Incidents, Defects and Changes that need to be made will be presented here formally. Although the ideas expressed here are separate entities, they will be combined into this one document.

# **Incidents**

This section defines the incidents discovered while performing various tests on Commerce Bank Web Application project. This section will expand as more incidents are found. For each incident, the initial Incident ID (excluding Letter) determines the test case that it ties to. For example, Incident ID 5.4.6.4-B is an incident stemming from test case 5.4.6.4.

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| --- | --- |
| Incident ID | 4.1.1.2-A |
| Description | Amount in add transaction page becomes $-10015 if you try to deposit $-1 |
| Originator | Connor Bensyl-Tester |
| Discover Date | April 22, 2021 |
| Severity | Medium |
| Steps Required to Produce Incident | 1. Go to “addTrans” page 2. set type to “deposit” 3. put -1 into the amount field 4. click “submit” |
| Responder | Thomas Tran- Developer |
| Current Status | Open |
| Cause | Incident was caused by attempting to deposit $-1 |
| Resolution | Resolved |
| Addressed Date | 4/26 |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time | 3 days |

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| --- | --- |
| Incident ID | 4.1.1.2-B |
| Description | Attempting to withdraw $-1 in add transaction page will cause a deposit of $1 |
| Originator | Connor Bensyl -Tester |
| Discover Date | April 22, 2021 |
| Severity | Medium |
| Steps Required to Produce Incident | 1. go to “add transaction” page 2. set type to “withdraw” 3. put -1 into amount field 4. click “submit” |
| Responder | Thomas Tran-Developer |
| Current Status | Resolved |
| Cause | Incident was caused by attempting to a withdraw $-1 |
| Resolution | Debug |
| Addressed Date | 4/26 |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time | 3 days |

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| --- | --- |
| Incident ID | 4.1.1.2-C |
| Description | Balance incorrectly calculated when new transaction is added |
| Originator | Thomas Tran- Developer |
| Discover Date | April 26, 2021 |
| Severity | Medium |
| Steps Required to Produce Incident | 1. go to “add transaction” page  2.set type to either “withdraw” or deposit  3.enter a number into amount field  4.click “submit” |
| Responder | Thomas Tran-Developer |
| Current Status | Resolved |
| Cause | Incident was caused when new transaction was added |
| Resolution | Debug |
| Addressed Date | 4/26/2021 |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time | 4 hours |

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| --- | --- |
| Incident ID | 4.1.3.1-A |
| Description | Clicking forgot password on login screen gives null apikey error |
| Originator | Connor Bensyl-Tester |
| Discover Date | April 22, 2021 |
| Severity | Low |
| Steps Required to Produce Incident | 1.Launch app  2.Log out if logged in  3.Click “Forgot Password?” |
| Responder |  |
| Current Status | Open |
| Cause | Incident was caused by attempting to reset password on login screen |
| Resolution | Debug |
| Addressed Date | TBD |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time | TBD |

# **Defects**

At this time, defects that were found were labeled as incidents. Many of what we consider defects were self made defects that were hard to find but easy to correct. Incidents were found that had the opportunity of turning into defects in the system had they not been able to be corrected.

# **Summary**

The testing procedure to date has been conducted using manual system testing. Features tested include but are not limited to:

• Ability for a user to login to their account via username and password and view their transactions that have triggered notifications.

Test Case: 4.1.1.1

• Ability for a user to login via username and password and export a transaction report.

Test Case: 4.1.1.3

• Ability for a user to login via username and password and to add a new transaction.

Test Case: 4.1.1.2

• Ability for a user to login via username and password and create, edit, or dismiss a notification.

Test Case: 4.1.2

• Ability for a user to create an account and then login with their newly created account

Test Case: 4.1.3.2

• Ability for a user to create a new password if they have forgotten their password, and then use that new password to login.

Test Case: 4.1.3.1

Testing has revealed four defects. Three defects were considered to be of high

importance and one was considered of low importance. Corrective actions have been taken on the three incidents considered to be of high importance. We will work on fixing the low importance incident if time allows.