**Testing Document and Specification**

Test Reports

Null Exception

CS 451R, 2022

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# /\* Is this section necessary?

# 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 the system. 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 | 1.1 |
| Description | Notifications start at '5' instead of '1'. |
| Originator | Job Dick-Tester |
| Discover Date | April 31, 2022 |
| Severity | Low |
| Steps Required to Produce Incident | 1. Go to site  2. Login to your account or register a new user  3. After account validation is complete, create a new transaction to deposit or withdraw money from the account  4. Click on your Notifications page to review notifications, notice that the notification number does not start at 1 |
| Responder | -Developer |
| Current Status | Open |
| Cause |  |
| Resolution | TBD |
| Addressed Date |  |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time | TBD |

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| Incident ID | 2.1 |
| Description | Not selecting a date in the new transaction causes a sql query error, but the field automatically puts in a greyed out value for todays date. |
| Originator | Job Dick -Tester |
| Discover Date | May 1, 2022 |
| Severity | Medium |
| Steps Required to Produce Incident | 1. Go to site  2. Login to your account  3. Create a new transaction  4. Do not select a date in the date box |
| Responder | -Developer |
| Current Status | Open |
| Cause |  |
| Resolution |  |
| Addressed Date |  |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time |  |

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| --- | --- |
| Incident ID | 3.1 |
| Description | Deposits are showing as a withdraw in the Notifications table/page. |
| Originator | Job Dick -Tester |
| Discover Date | May 1, 2022 |
| Severity | Low |
| Steps Required to Produce Incident | 1. Go to site  2. Login to your account  3. Create a new transaction - Deposit  4. Review transactions page, every transaction shows as a Withdrawal |
| Responder | -Developer |
| Current Status | Open |
| Cause |  |
| Resolution |  |
| Addressed Date |  |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time |  |

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| --- | --- |
| Incident ID | 4.1 |
| Description | Some selections under "Change notification settings" overlap, obstructing selection and view. |
| Originator | Job Dick -Tester |
| Discover Date | May 1, 2022 |
| Severity | Low |
| Steps Required to Produce Incident | 1. Go to site  2. Login to your account  3. Navigate to your Notifications page, select “Change notification settings”  4. Some of the options are overlapping on the page |
| Responder | -Developer |
| Current Status | Open |
| Cause |  |
| Resolution |  |
| Addressed Date |  |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time |  |

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| --- | --- |
| Incident ID | 5.1 |
| Description | Changing notification settings by checking the "Enable Withdraw Large Amounts" throws a sql error when you try and put in any amount into a new withdraw transaction. |
| Originator | Job Dick -Tester |
| Discover Date | May 1, 2022 |
| Severity | Low |
| Steps Required to Produce Incident | 1. Go to site  2. Login to your account  3. Navigate to your Notifications page, select “Change notification settings” and select “Enable largeWithdraw alerts”  4. Set a minimum amount for the notification to trigger  5. Return to Transactions and create a new transaction to withdraw from the account of -any- amount |
| Responder | -Developer |
| Current Status | Open |
| Cause |  |
| Resolution |  |
| Addressed Date |  |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time |  |

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| --- | --- |
| Incident ID | 6.1 |
| Description | Moving from Notifications/Transactions (logged in) to Privacy will remove the Logout, Notifications, and Transaction tabs from the top menu, replacing it with Login |
| Originator | Job Dick -Tester |
| Discover Date | May 3, 2022 |
| Severity | Low |
| Steps Required to Produce Incident | 1. Go to site  2. Login to your account  3. Navigate to the Privacy page  4. There are now missing top menu tabs, however clicking on Login takes you to your account, not requiring you to login again |
| Responder | -Developer |
| Current Status | Open |
| Cause |  |
| Resolution |  |
| Addressed Date |  |
| Creation Phase | Implementation |
| Detection Phase | Testing |
| Correction Time |  |

/\* Needs review/adjustments below

# 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 and concurrent unit testing. Features tested include but are not limited to:

* Ability for an individual to select a category and read questions/answers pertinent to that category

Test Case: 4.1.4.1, 4.1.4.2

* Ability for a user to login via username and password and submit a question

Test Case: 4.1.1.1, 4.1.2.1

* Ability for a user to login via username and password and submit a survey

Test Case: 4.1.3.1

* Ability for students and providers to login via username and password to the back-end system and post answers to the front-end site via a threaded discussion board

Test Case: 4.2.1.1, 4.2.1.2

* Ability to search (by keyword) through questions and answers

Test Case: 4.1.4.2

* Ability to add/remove users of the system (back-end) as needed

Test case: 4.3.4.1, 4.3.4.2

Further system testing will be done as newly implemented features become available. These features include all the functionality of the Administration Page which entails adding and removing users, signaling on call/ off call status and email preferences. To date, one incident has been found and is currently undergoing corrective measures. This incident was determined merely cosmetic and will not occur if correct procedures of system usage are followed.

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