

# **Testing Document and Specification**

## Test Specification

### Group 1 Test Cases CS 451R 2021

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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 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.

Incident ID	<b>4.1.4.2-A</b>
Description	User was able to use existing account information to create a new account
Originator	Kole Keeney-Tester
Discover Date	March 04, 2021
Severity	High
Steps Required to Produce Incident	<ol style="list-style-type: none"><li>1. Go to the main website</li><li>2. Click on the "Register" link</li><li>3. Enter email associated with another account</li><li>4. Enter valid password and password confirmation</li><li>5. Click the "Register" button</li><li>6. Confirm email</li></ol>
Responder	Thomas Starr-Timberlake (Developer)
Current Status	Closed
Cause	The email variable was not marked as unique in the backend
Resolution	Set the email variable to unique
Addressed Date	March 07, 2021
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	2 Days

<b>Incident ID</b>	<b>4.3.4.1-A</b>
<b>Description</b>	When logged in using the email and password, the user is not directed to the "Transaction Page"
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	April 04, 20021
<b>Severity</b>	Low
<b>Steps Required to Produce Incident</b>	<ol style="list-style-type: none"> <li>1. Go to the main website</li> <li>2. Click on the "Click me to login here" button</li> <li>3. Enter valid email address and associated password</li> <li>4. Click the login button</li> </ol>
<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	The route path was not correct
<b>Resolution</b>	Change the route path to the correct one
<b>Addressed Date</b>	April 05,2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	15 minutes

<b>Incident ID</b>	<b>4.1.2.1-A</b>
<b>Description</b>	Creating new transaction would replace the one previously made
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	March 10, 20021
<b>Severity</b>	High
<b>Steps Required to Produce Incident</b>	<ol style="list-style-type: none"> <li>1. From the "Transactions Page", click on the "Create New" link</li> <li>2. Enter test data date in the "Date" text box</li> <li>3. Enter test data time in the "Time" text box</li> <li>4. Enter test data location in the "Location" text box</li> <li>5. Enter test data balance in the "Balance" text box</li> <li>6. Select from the Withdrawal/Deposit menu</li> </ol>

	<p>7. Enter test data transaction amount in the “Transaction Amount” text box</p> <p>8. Enter test data Description in the “Description” text box</p> <p>9. Click the “Create” button</p>
<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	Incident was caused due to an error in the programming code
<b>Resolution</b>	Debug
<b>Addressed Date</b>	March 15, 2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	6 Days

<b>Incident ID</b>	<b>4.1.2.2-A</b>
<b>Description</b>	When the user tried to amend their transactions, it would not update the edit on the transaction page
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	March 10, 20021
<b>Severity</b>	High
<b>Steps Required to Produce Incident</b>	<p>1. From the “Transactions Page”, click on the “Details” link on the right side of the desired transaction</p> <p>2. Click on the “Edit” link under the transaction details</p> <p>3. Enter test data date in the “Date” text box</p> <p>4. Enter test data time in the “Time” text box</p> <p>5. Enter test data location in the “Location” text box</p> <p>6. Enter test data balance in the “Balance” text box</p> <p>7. Select from the Withdrawal/Deposit menu</p> <p>8. Enter test data transaction amount in the “Transaction Amount” text box</p> <p>9. Enter test data description in the “Description” text box</p> <p>10. Click the “Save” button</p>

<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	Incident was caused due to an error in the programming code
<b>Resolution</b>	Debug
<b>Addressed Date</b>	March 15, 2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	5 Days

<b>Incident ID</b>	<b>4.1.3.2-A</b>
<b>Description</b>	When the user clicked the "Create" button it did not update on the "Notification Page"
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	April 25, 20021
<b>Severity</b>	Low
<b>Steps Required to Produce Incident</b>	<ol style="list-style-type: none"> <li>1. From the "Notification Rules Page", click on the "Create New" link</li> <li>2. Select from the Date Filter menu</li> <li>3. Enter test data in the "Date" text box</li> <li>4. Select from Time Filter menu</li> <li>5. Enter test data time in the "Time" text box</li> <li>6. Enter test data location in the "Location" text box</li> <li>7. Select from the Withdrawal/Deposit menu</li> <li>8. Select from the Transaction Limiter menu</li> <li>9. Enter test data transaction amount in the "Transaction Amount" text box</li> <li>10. Enter test data description filter in the "DescriptionFilter" text box</li> <li>11. Click the "Create" button</li> </ol>
<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	Incident was caused due to an error in the programming code
<b>Resolution</b>	Debug

<b>Addressed Date</b>	April 29, 2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	4 Days

<b>Incident ID</b>	<b>4.1.3.2-A</b>
<b>Description</b>	When the user tried to edit a Notification rule, it would create a new rule instead of replacing the old one
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	April 25, 2021
<b>Severity</b>	High
<b>Steps Required to Produce Incident</b>	<ol style="list-style-type: none"> <li>1. From the "Notification Rules Page", click on the "Create New" link</li> <li>2. Select from the Date Filter menu</li> <li>3. Enter test data in the "Date" text box</li> <li>4. Select from Time Filter menu</li> <li>5. Enter test data time in the "Time" text box</li> <li>6. Enter test data location in the "Location" text box</li> <li>7. Select from the Withdrawal/Deposit menu</li> <li>8. Select from the Transaction Limiter menu</li> <li>9. Enter test data transaction amount in the "Transaction Amount" text box</li> <li>10. Enter test data description filter in the "DescriptionFilter" text box</li> <li>11. Click the "Create" button</li> </ol>
<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	Incident was caused due to an error in the programming code
<b>Resolution</b>	Debug
<b>Addressed Date</b>	April 29, 2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	4 Days

<b>Incident ID</b>	<b>4.1.5.1-A</b>
<b>Description</b>	The system will only take the current email into the new email text box
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	April 20, 20021
<b>Severity</b>	Low
<b>Steps Required to Produce Incident</b>	<ol style="list-style-type: none"> <li>1. Click the "Email" link on the "Manage Your Account" page</li> <li>2. Enter email into "New Email" text box</li> <li>3. Click the "Change Email" button</li> </ol>
<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	Incident was caused due to an error in the programming code
<b>Resolution</b>	Debug
<b>Addressed Date</b>	April 21, 2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	1 Day

<b>Incident ID</b>	<b>4.1.5.2-A</b>
<b>Description</b>	While the user changed their password, it would still accept their old password as a new one
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	April 20, 20021
<b>Severity</b>	High
<b>Steps Required to Produce Incident</b>	<ol style="list-style-type: none"> <li>1. Click the "Password" link on the "Manage Your Account" page</li> <li>2. Enter current password into "Current Password" text box</li> <li>3. Enter new password into "New Password" and "Confirm Password" text boxes</li> <li>5. Click the "Update Password" button</li> </ol>
<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	Incident was caused due to an error in the programming code

<b>Resolution</b>	Debug
<b>Addressed Date</b>	April 21, 2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	1 Day

<b>Incident ID</b>	<b>4.1.5.3-A</b>
<b>Description</b>	Permanently deleting the account would only deactivate the user's account and would reopen their old account when logged in with their old username and email
<b>Originator</b>	Kole Keeney-Tester
<b>Discover Date</b>	April 20, 20021
<b>Severity</b>	High
<b>Steps Required to Produce Incident</b>	<ol style="list-style-type: none"> <li>1. Click the "Personal Data" link on the "Manage Your Account" page</li> <li>2. Click on the "Delete" button</li> <li>3. Type in account password to confirm decision</li> <li>4. Go to the main website</li> <li>5. Click on the "Click me to login here" button</li> <li>6. Enter valid email address and associated password</li> <li>7. Click the login button</li> </ol>
<b>Responder</b>	Thomas Starr-Timberlake (Developer)
<b>Current Status</b>	Closed
<b>Cause</b>	Incident was caused due to an error in the programming code
<b>Resolution</b>	Debug
<b>Addressed Date</b>	April 29, 2021
<b>Creation Phase</b>	Implementation
<b>Detection Phase</b>	Testing
<b>Correction Time</b>	9 Days



## 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:

- The ability for the user to Register a New User into the Transaction Web Application.  
Test Case: 4.1.1.1, 4.1.1.2
- Ability for a user to login via username and password  
Test Case: 4.1.1.2
- Ability for a user to login and create a Transaction.  
Test Case: 4.1.2.1
- Ability user to login and edit a Transaction.  
Test Case: 4.1.2.2
- Ability for the user to add a new Notification.  
Test Case: 4.1.3.1
- Ability for the user to edit a Notification.  
Test case: 4.1.3.2
- Ability for the user to update their Profile.  
Test case: 4.1.5.1, 4.1.5.2, 4.1.5.3

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.