

Testing Document and Specification

Test Reports

ID: TestRep1
Sponsor Project Group 6
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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 and Defects

This section defines the incidents and defects discovered while performing various tests on the system. This section will expand as more incidents are found. For each incident or defect, 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	1.1-A
Description	Incident involves login having the username label and warning marked "UserName" and should be "Username"
Originator	Jonathan Wolfe-Tester
Discover Date	November 24, 2019
Severity	Cosmetic
Steps Required to Produce Incident	1. Go to login page 2. Username label is listed as "UserName" 3. Enter nothing and the warning appears as "UserName"
Responder	Jonathan Wolfe-Developer
Current Status	Closed
Cause	"UserName" is used as the variable name and was carried over into the page instead of being relabeled
Resolution	Debug
Addressed Date	November 24, 2019
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	3 minutes

Incident ID	2.2-A
Description	Incident involves opening the rules page for an account with no rules implemented showing the date as 01/01/0001 instead of current date
Originator	Jonathan Wolfe-Tester
Discover Date	November 24, 2019
Severity	Cosmetic
Steps Required to Produce Incident	1. Go to rules page with no created rules 2. Start and End transaction date fields show 01/01/0001

Responder	Jonathan Wolfe-Developer
Current Status	Closed
Cause	Current date is applied during a successful find of rules and not considering a case with no rules
Resolution	Debug
Addressed Date	November 24, 2019
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	5 minutes

Incident ID	3.1-A
Description	Returned report contained start and end dates but no other information
Originator	Jonathan Wolfe-Tester
Discover Date	November 24, 2019
Severity	High
Steps Required to Produce Incident	1. Go to reports page 2. Export a report
Responder	Jonathan Wolfe-Developer
Current Status	Closed
Cause	AccountID of 0 was being passed when the account was not changed from the drop down. In addition, the alerts to be added were selected by only checking if the alert shared the same start month and middle 2 characters of the year.
Resolution	Debug
Addressed Date	November 25, 2019
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	1 hour

Incident ID	8.1-A
Description	Entering a field too long into either the username or password returns a sql error
Originator	Jonathan Wolfe-Tester
Discover Date	November 24, 2019
Severity	Low
Steps Required to Produce Incident	1. Go to login page 2. Enter something greater than 45 characters into either the username or password
Responder	Jonathan Wolfe-Developer
Current Status	Closed
Cause	Incident was caused by not checking user input before sending to the server

Resolution	Debug
Addressed Date	November 24, 2019
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	5 minutes

Incident ID	8.1-B
Description	Entering a date into the start or end dates on the rules page creates an invalid date type
Originator	Jonathan Wolfe-Tester
Discover Date	November 24, 2019
Severity	Low
Steps Required to Produce Incident	1. Go to rules page 2. Enter a year greater than 9999
Responder	Jonathan Wolfe-Developer
Current Status	Closed
Cause	Incident was caused by not checking user input before sending to the server
Resolution	Debug
Addressed Date	November 25, 2019
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	2 hours

Incident ID	8.1-C
Description	Rule description too long returns a sql error
Originator	Jonathan Wolfe-Tester
Discover Date	November 24, 2019
Severity	Low
Steps Required to Produce Incident	1. Go to rules page 2. Enter a rule description longer than 45 characters 3. Press Apply
Responder	Jonathan Wolfe - Developer
Current Status	Closed
Cause	Incident was caused by not checking user input before sending to the server
Resolution	Debug
Addressed Date	November 25, 2019
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	5 minutes

Incident ID	8.1-D
Description	Rule descriptions should not accept negative values
Originator	Jonathan Wolfe-Tester
Discover Date	November 24, 2019
Severity	Low
Steps Required to Produce Incident	1. Go to rules page 2. Enter a negative rule description 3. Press Apply
Responder	Jonathan Wolfe - Developer
Current Status	Closed
Cause	Incident was caused by not checking user input before sending to the server
Resolution	Debug
Addressed Date	November 25, 2019
Creation Phase	Implementation
Detection Phase	Testing
Correction Time	5 minutes

Summary

The testing procedure to date has been conducted using manual system testing. Features tested include:

- Ability for a user to login via username/password and save session info
Test Case: 1.1
- Ability for a user to logout and clear session info
Test Case: 1.2
- Ability for a user to create and remove rules
Test Case: 2.1, 2.2
- Ability for a user to export a report and view its information
Test Case: 3.1
- Ability for the system to fill an HTML table using SQL database
Test Case: 4.1
- Ability for a user to switch between banking accounts
Test Case: 5.1
- Ability for the system to timeout the user

Test Case: 6.1

- Ability for the system to generate alerts based off transactions

Test Case: 7.1

- Ability to test incorrect input (date range, input field size)

Test Case: 8.1

Testing revealed seven defects. One defect was considered to be of high importance, four were considered of low importance and two were cosmetic. Corrective actions have been taken on all incidents.