Test Plan KFC

Online order



MAY 3

KFC Online order

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Table of Contents

Introduction	3
Architectural Design	4
Processing Narrative	5
User Interface	6
Procedural Design	14
Software Testing	15
Results	18
Alpha and Beta Testing	31

Introduction

Description of Organization

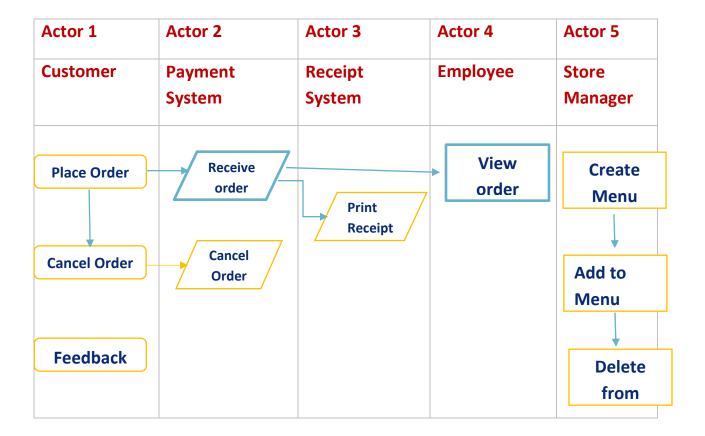
KFC Online Ordering System will be an island-wide app-based software bringing together private individuals and Kentucky Fried Chicken (KFC) franchises to improve the buying of KFC products. It will take advantage of the Internet and mobile phones to radically improve the way they buy and sell food.

Description of Project

The aim of this project is to analyze all the problems of the (KFC), plan and design a solution, then build and implement this effective solution. This system is to upgrade the current system to a computerized application. This system will allow customers to make order from a menu, pay for their order and give feedback. While the Admin will be allowed to add or deleted items from the menu.

Architectural Design

Swinlane for KFC Quick Order Catering System



Processing Narrative

Place Order	This module allows customers to order meals, drinks and sides off a menu and place this order into a cart.
Cancel Order	This module allows customer to cancel their orders
Receive Order	This module allows the payment system to receive the order made by the customers and process the payment.
Print Receipt	After the payment system process the order, the purpose of this module is to provide a proof of payment in the form of a receipt.
Give Feedback	The purpose of this module is to allow the customers to give a feedback about their experience with the website and the service to allow improvement.
View order	This module allows users with administrator privilege to view the orders that customers have made.
Create Menu	The purpose of this module is to create a menu for customer to view and make orders
Add to Menu	The purpose of this module is to allow users with administrator privilege to add a meal, drink, dessert or side to the existing menu
Delete from menu	This module allows users with administrator privilege to delete existing items from the menu.

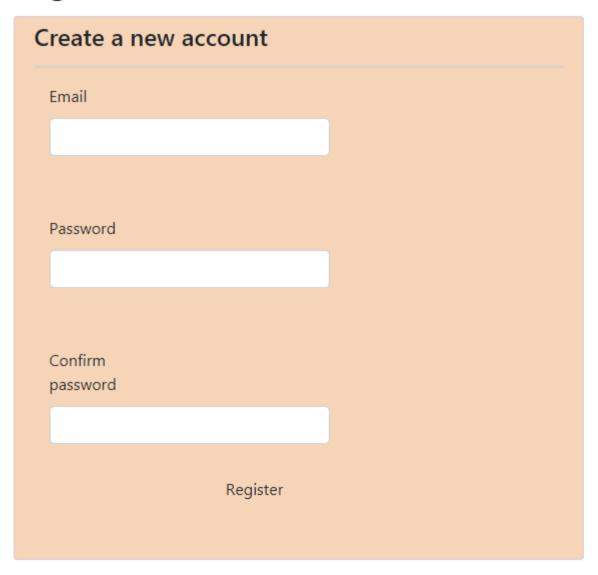
User Interface

Log in.

Use a local account to log in.
User name
The user name field is required.
Password
The password field is required.
Remember me?
Log in
Register if you don't have a local account.

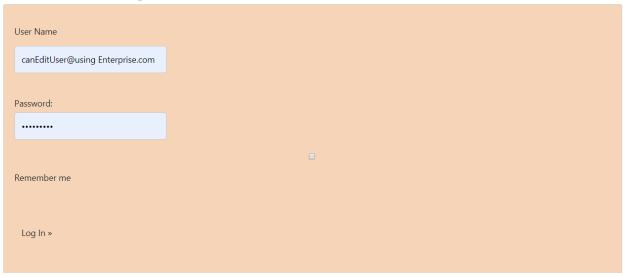
Note: allows users to log in to their profile.

Register.



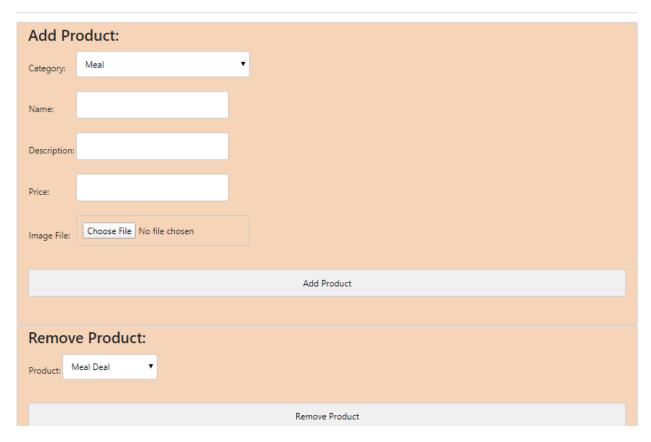
Note: If users no do not have a profile, this allows them the create one.

Administrator Log in

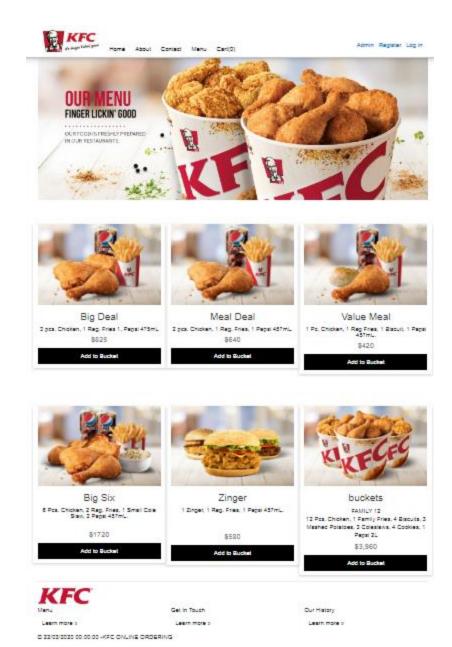


Note: this log in is for the site Administrator.

Administration



Note: this page is only visible to the Administrator. It allows them to add or delete items from the menue.



Note: Allows customers to choose food item.

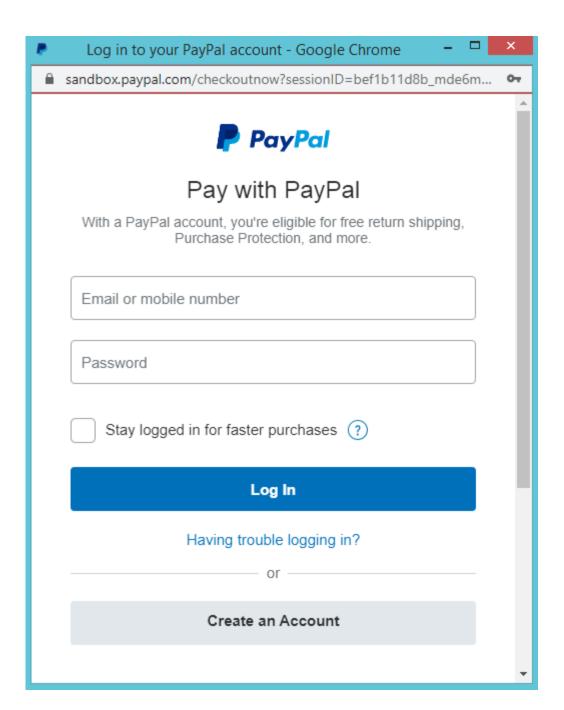
Shopping Cart

ID	Name	Price (each)	Quantity	Item Total	Remove Item
10	DG Grape	EC\$180.00	1	EC\$180.00	
5	Zinger	EC\$665.00	1	EC\$665.00	

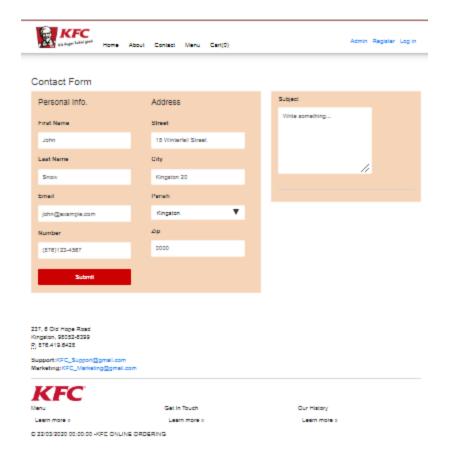
Order Total: EC\$845.00



Note: Stores the food item that customers choose.



Note: this is the user interface for the payment system.



Note: this allows customers to give feedback.

Procedural Design

Software Testing

Software testing is a process to evaluate the functionality of a software application with intent to determine whether the developed software met the specified requirements or not. Software testing also identifies the defects to ensure that the product is defect free in order to produce the quality product. Two main types of testing are automated testing and manual testing

Automated testing is the act of conducting specific tests by automation as opposed to conducting them manually.

Manual Testing: Manual testing is the process of testing software by hand to learn more about it, to find what is and isn't working. This usually includes verifying all the features specified in requirements documents, but often also includes the testers trying the software with the perspective of their end user's in mind. Manual test plans vary from fully scripted test cases, giving testers detailed steps and expected results, through to high-level guides that steer exploratory testing sessions. Manual testing is also the process in which testing of a web application is done manually by human action.

The types of testing that was done are unit testing, component testing, monkey testing, smoke testing and regression testing to ensure that we can be confident in the software that it is defect free and that it meets the software requirements. The first test that we did was Unit testing which is a level of software testing where individual units/ components of software are tested. The purpose is to validate that each unit of the software performs as designed. A unit is the smallest testable part of any software. It usually has one or a few inputs and usually a single output which are known as functions/ methods used in each class. Some of the methods that were tested in our software are: Login method, calculate crimes reported method, View Report method and Search for Report method etc. As the developer we isolate the function to test it more rigorously. We did a more thorough unit testing practice that involves copy and paste of code to its own testing environment than its natural environment. Isolating the code helps in revealing unnecessary dependencies between the code being tested and other units in the software. These dependencies can then be eliminated.

The second test was the component testing / module testing; it is a testing that is performed on each individual component separately without integrating with other components. Before we test the entire system, it was important that each component of the software is tested thoroughly. The component testing looks for bugs and verifies the functioning of the modules/programs which are separately testable. In our component testing login page is one component and the home page is another. Whereas, in testing the login page we verified that when the user input their username and password correctly the system will log in the users. By testing the functionality of each individual page separately is called component testing.

Furthermore, the third test that was done was the smoke testing covers most of the major functions of the software but none of them in depth. Smoke test helps in exposing integration and major problems early in the cycle. It can be conducted on both newly created software and enhanced software. Smoke test is performed manually or with the help of automation tools/scripts. If builds are prepared frequently, it is best to automate smoke testing. As and when an application becomes mature, with addition of more functionality, the smoke test needs to be made more expansive. Sometimes, it takes just one incorrect character in the code to render an entire application useless. In doing this test we are verifying whether the important features are working and that there are no errors in the build that is under testing.

Additionally, the forth test that was done is the monkey testing this is a technique in software testing where the user tests the application by providing random inputs and checking the behaviour or try to crash the application. We did this process manually where we enter random invalid inputs to check the behaviour of the web application. As our software is exposed on the web to be access by the police staff, there is a high risk of the kinds of users may attempt to use this application. The software is restricted to only police staff, however there is no surety that there will not be any users that will try to harm the application in order to gather or change person's data without any authority. As a result, we perform the monkey testing by playing around with the web application and provide strange or large inputs to see if it will break the web application.

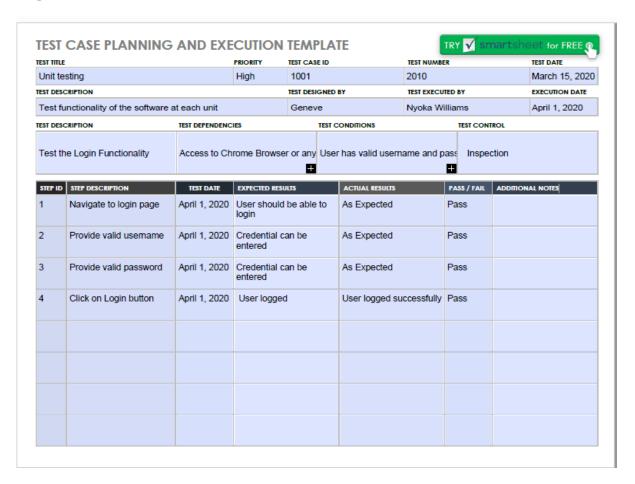
Finally, the fifth test that was done was the regression testing this type of testing that was done to verify that a code change in the software does not impact the existing functionality of the product. This is to make sure the product works fine with new functionality, bug fixes or any change in the existing feature. Previously executed test

cases are re-executed in order to verify the impact of change. Regression testing is a variation of retest. We test our software application when it undergoes a code change to ensure that the new code has not affected other parts of the software.

Results

Unit Testing

Login Function



Calculate the price of items in Shopping Cart Method

				TEMPLA	-			TICH COLLE	et for FREE	
TEST TITLE			PRIORITY	TEST CASE ID		TEST NUMBE	R		TEST DATE	
Unit te			High	1002		2012		March 20, 2020		
TEST DESC	CRIPTION			TEST DESIGNED	ВҮ	TEST EXECUTED BY			EXECUTION DATE	
Test th	ne functionality of Calculation	n of Criminal Ir	nformation Geneve			Nyoka Wi	lliams		April 2, 2020	
TEST DESC	CRIPTION	TEST DEPENDENC	IES	TEST C	ONDITIONS		TEST CONT	ROL		
Calcul	ation of Criminal Info.	Access to Ch	rome Browse	r or any User	uploads Crimina	al Informat	ion Inspec	ction		
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESU	ILTS	ACTUAL RESULTS		PASS / FAIL	ADDITION	AL NOTES	
1	Navigate to Calculate number of Crimes reported tab	April 2, 2020	User should be a Calculate number reported page		As Expected		Pass			
2	Provide valid dates	April 2, 2020	Date can be entered		As Expected F		Pass			
3	Provide valid date	April 2, 2020	Date can be	entered	As Expected		Pass			
4	Click on submit button	April 2, 2020	User should it the total numb	be able to see ber of crimes	Total Crimes Ca Successfully	alculated	Pass			

View Menu method

TEST TITLE	:		PRIORITY	TEST CASE ID		TEST NUMBER	R		TEST DATE
Unit te	sting		High	1003		2013			March 20, 2020
EST DES	CRIPTION		l.	TEST DESIGNED	ву	TEST EXECUT	ED BY		EXECUTION DATE
Test th	ne functionality of ∀iew Rep	ort	Geneve			Nyoka Wil	liams		April 2, 2020
EST DES	CRIPTION	TEST DEPENDENC	IES	TEST C	ONDITIONS		TEST CONT	TROL	
View All Report Access			chrome Browser or any User made a report			t Inspection			
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESU	LTS	ACTUAL RESULTS		PASS / FAIL	ADDITION	AL NOTES
1	Navigate to View All Report Tab	April 2, 2020	User should view all repo		As Expected		Pass		
2	Provide valid data	April 2, 2020	Data can be	entered	As Expected		Pass		
3	Provide valid data	April 2, 2020	Data can be	entered	As Expected		Pass		
4	Click on submit button	April 2, 2020	User should view all repo		All report was successfully sh		Pass		

Add/Delete Items from the Menu Method

TEST	CASE PLANNING	AND EXE	CUTION	TEMPLA	ΓE		TRY 🗹 sn	nartsheet for FREE	
TEST TITLE			PRIORITY	TEST CASE ID		TEST NUMBE	R	TEST DATE	
Unit te	sting		High	1006		2016		March 20, 202	
TEST DESC	CRIPTION		TEST DESIGNED BY			TEST EXECUT	ED BY	EXECUTION DATE	
Test th	e functionality of Update R	eport	Geneve			Nyoka Wi	lliams	April 3, 2020	
TEST DESC	CRIPTION	TEST DEPENDENC	IES	TEST C	ONDITIONS		TEST CONT	TROL	
Update Report Access to Ch			rome Browser or any User uploaded report			t	Inspection		
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESU	ILTS	ACTUAL RESULTS		PASS / FAIL	ADDITIONAL NOTES	
1	Navigate to Update Report Tab	April 3, 2020	User should on Update R		As Expected		Pass		
2	Provide valid choice	April 3, 2020	option box si selected	hould be	As Expected		Pass		
3	Provide valid record Id	April 3, 2020	Data can be	recorded	As Expected		Pass		
4	Enter new records	April 3, 2020	Data can be	recorded	As Expected		Pass		
5	Click on submit button	April 3, 2020	User should add new rec		Record was sur updated	ccessfully	Pass		

Payment System Method

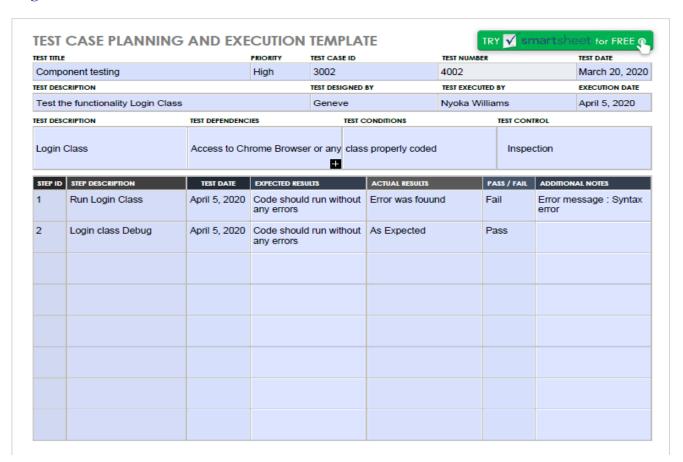
TEST	CASE PLANNING	AND EXE	CUTION	TEMPLA	ΤE		RY 🗹 sn	nartshe	et for FREE	
TEST TITLE			PRIORITY	TEST CASE ID		TEST NUMBER	t		TEST DATE	
Unit te	sting		High	1008		2018			March 20, 2020	
TEST DESC	CRIPTION			TEST DESIGNED	BY TEST EXECUTE		TED BY		EXECUTION DATE	
Test th	ne functionality of search re	ceipt	Geneve			Nyoka Wil	liams		April 3, 2020	
TEST DESC	CRIPTION	TEST DEPENDENC	IES	TEST C	ONDITIONS		TEST CONT	ROL		
Search receipt Access to Chro			rome Browse	ome Browser or any User uploaded report			Inspection			
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESU	JLTS	ACTUAL RESULTS		PASS / FAIL	ADDITION	AL NOTES	
1	Navigate to Search receipt Tab	April 3, 2020	User should on Search re		As Expected		Pass			
2	Provide valid receipt id	April 3, 2020	Data can be	entered	As Expected		Pass			
3	Click on submit button	April 3, 2020	User should add new rec		Receipt was successfully found		Pass			

Component Testing

Home Class

TEST	CASE PLANNING	AND EXE	CUTION	TEMPLA	ΓΕ		TRY 🇹 sn	nartshe	et for FREE	
TEST TITLE	E		PRIORITY	TEST CASE ID		TEST NUMBE	R		TEST DATE	
Comp	onent testing		High	3001		4001			March 20, 2020	
TEST DES	CRIPTION			TEST DESIGNED	BY	TEST EXECUT	TED BY		EXECUTION DATE	
Test th	ne functionality Home Class			Geneve N			lliams	April 5, 2020		
TEST DES	CRIPTION	TEST DEPENDENC	IES	TEST C	ONDITIONS		TEST CONT	TROL		
Home Class Access to Chrom			rome Browse	r or any class	s properly coded		Inspe	ction		
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESU	JLTS	ACTUAL RESULTS		PASS / FAIL	ADDITION	AL NOTES	
1	Run Home Class	April 5, 2020	Code should any errors	I run without	Error was fouur	nd	Fail	Error me semi-co	essage : no on	
2	Home class Debug	April 5, 2020	Code should any errors	I run without	As Expected		Pass			

Login Class



Smoke Testing

Main Class

TEST	CASE PLANNING	AND EXE	CUTION	TEMPLA	ΓΕ		TRY 🗹 sn	nart she	et for FREE 🗨	
TEST TITLE			PRIORITY	TEST CASE ID		TEST NUMBE	R		TEST DATE	
Compo	onent testing		High	3003		4003		March 20, 2020		
TEST DESC	CRIPTION			TEST DESIGNED	ВУ	TEST EXECU	TED BY		EXECUTION DATE	
Test th	e functionality Main Class		Geneve			Nyoka Wi	lliams		April 5, 2020	
TEST DESC	CRIPTION	TEST DEPENDENC	IES	TEST C	ONDITIONS		TEST CONT	ROL		
Main Class Access to Ch			rome Browse	r or any class	s properly coded	l	Inspec	ction		
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESU	ILTS	ACTUAL RESULTS		PASS / FAIL	ADDITION	AL NOTES	
1	Run Main Class	April 5, 2020	Code should any errors	I run without	Error was fouur	nd	Pass	Error me error	ssage : Syntax	
					I					

Monkey Testing

Login Page

		PRIORITY	TEST CASE ID		TEST NUMBE	R		TEST DATE
testing		High	4108		3108			March 20, 2020
CRIPTION		T	TEST DESIGNED	ВҮ	TEST EXECUTED BY			EXECUTION DATE
ne functionality Login Page			Geneve		Nyoka W	illiams		April 7, 2020
CRIPTION	TEST DEPENDENC	IES	ES TEST CONDITIONS			TEST CONT	ROL	
Login Page Access to Ch			r or any User	ruploaded repor	t	Inspe	ction	
STEP DESCRIPTION	TEST DATE	EXPECTED RESU	ILTS	ACTUAL RESULTS		PASS / FAIL	ADDITION	NAL NOTES
Navigate to Login Page Tab	April 7, 2020			As Expected		Pass		
Provide invalid username	April 7, 2020		-	As Expected		Pass		
Provide invalid password	April 7, 2020			As Expected		Pass		
Click on login button	April 7, 2020	User should to login	not be able			Pass		
	CRIPTION The functionality Login Page CRIPTION Page STEP DESCRIPTION Navigate to Login Page Tab Provide invalid username Provide invalid password	Page Access to Ch STEP DESCRIPTION TEST DEPENDENCE Navigate to Login Page April 7, 2020 Provide invalid username April 7, 2020 Provide invalid password April 7, 2020	Page Access to Chrome Browse STEP DESCRIPTION TEST DATE EXPECTED RESULT Navigate to Login Page April 7, 2020 User should go on Login Provide invalid username April 7, 2020 Error messa be generate Provide invalid password April 7, 2020 Error messa be generate Click on login button April 7, 2020 User should	RIPTION TEST DESIGNED TEST DESIGNED Geneve RIPTION TEST DEPENDENCIES TEST OF COMMENT OF THE PROPERTY OF THE	EXPERIENCE REPTION TEST DESIGNED BY Geneve Geneve CRIPTION TEST DEPENDENCIES TEST CONDITIONS ACCESS to Chrome Browser or any User uploaded report STEP DESCRIPTION TEST DATE EXPECTED RESULTS Navigate to Login Page Tab April 7, 2020 User should be able to go on Login Page Provide invalid username April 7, 2020 Error message should be generated Provide invalid password April 7, 2020 Error message should be generated Click on login button April 7, 2020 User should not be able User was redirected to login User was redirected correct password or	EXPERIENCE TEST DESIGNED BY TEST EXECUTE TEST CONDITIONS ACTUAL RESULTS ACTUAL RESULTS AS Expected Tab Provide invalid username April 7, 2020 Error message should be generated Provide invalid password April 7, 2020 Error message should be generated Provide invalid password April 7, 2020 Error message should be generated Click on login button April 7, 2020 User should not be able correct password or username	TEST DESIGNED BY TEST EXECUTED BY TEST DESIGNED BY TEST EXECUTED BY Nyoka Williams TEST CONDITIONS TEST CON	TEST DESIGNED BY TEST EXECUTED BY Refunctionality Login Page Test Dependencies Test Conditions Test Control Test Dependencies Test Conditions Test Control Test Date Test Date Test Control Test Date Test Date Test Control Test Control Test Date Test Control

View Report

TEST	CASE PLANNING	AND EXE	CUTION	TEMPLA	ΓE	T	RY 🗹 sn	nart she	et for FREE
TEST TITLE			PRIORITY	TEST CASE ID		TEST NUMBER	t		TEST DATE
Monke	ey testing		High	4109		3109			March 20, 2020
TEST DESC	CRIPTION			TEST DESIGNED	BY TEST EXECUTED		ED BY		EXECUTION DATE
Test th	ne functionality ∀iew Report	Page	Geneve			Nyoka Will	liams		April 7, 2020
TEST DESC	CRIPTION	TEST DEPENDENC	IES	TEST C	ONDITIONS		TEST CONT	ROL	
View Report Page Access to Chi			rome Browser or any User uploaded report			t	Inspection		
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESU	ILTS	ACTUAL RESULTS		PASS / FAIL	ADDITION	AL NOTES
1	Navigate to View Report Tab	April 7, 2020	User should go on View f		As Expected		Pass		
2	Provide invalid data	April 7, 2020	Error messa be generate		As Expected		Pass		
3	Provide invalid data	April 7, 2020	Error messa be generate		As Expected P		Pass		
4	Click on submit button	April 7, 2020	User should to view any i		User was prom re-enter correct		Pass		

Calculate Total Price of items

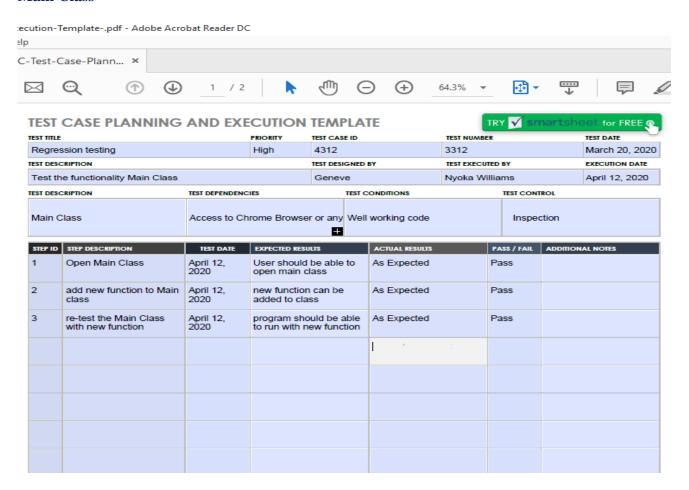
TEST CASE PLANNING AND EXECUTION TEMPLATE IRY								
		PRIORITY	TEST CASE ID		TEST NUMBER			TEST DATE
Monkey testing		High	4201		3201			March 20, 2020
TEST DESCRIPTION			TEST DESIGNED BY			D BY	EXECUTION DATE	
Test the functionality Calculate Total Number of			Crimes Page Geneve		Nyoka Williams			April 8, 2020
TEST DESCRIPTION TEST DEPENDENCE		IES TEST CONDITIONS		ONDITIONS	TEST CONTROL		TROL	
Number of Crimes Page	Access to Ch	rome Browse	r or any User	er uploaded report		Inspection		
STEP DESCRIPTION	TEST DATE	EXPECTED RESU	LTS	ACTUAL RESULTS	P	ASS / FAIL	ADDITION	AL NOTES
Navigate to Total Number of Crimes Tab	April 8, 2020			As Expected	F	ass		
Provide invalid date	April 8, 2020			As Expected	F	ass		
Provide invalid date	April 8, 2020			As Expected	F	ass ass		
Click on submit button	April 8, 2020					ass ass		
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Web Application

TRY 🗹 smartsheet for FREE 🖪 TEST CASE PLANNING AND EXECUTION TEMPLATE TEST TITLE TEST CASE ID TEST NUMBER TEST DATE Monkey testing High 4201 3201 March 20, 2020 TEST DESCRIPTION TEST DESIGNED BY TEST EXECUTED BY EXECUTION DATE Test the functionality Web Application Geneve Nyoka Williams April 11, 2020 TEST DESCRIPTION TEST DEPENDENCIES TEST CONDITIONS TEST CONTROL Web Application Access to Chrome Browser or any Internet connection; Inspection TEST DATE EXPECTED RESULTS PASS / FAIL ADDITIONAL NOTES STEP ID STEP DESCRIPTION ACTUAL RESULTS April 11, 2020 User should be able to go As Expected Pass Open Chrome Browser on to Chrome Browser April 11, 2020 2 Error message should As Expected Pass Enter random and strange input in the browser be generated

Regression testing

Main Class



Alpha and Beta Testing