Test Plan

GODFREY OSAS OGBEIDE

Table of Contents

Indexing

Version	Changes
V1	Added Test Cases, Unit test explanation and integration tests explanation.

Introduction

This document contains planning which I choose to do for testing of my application. I will be stating what specific tests I plan to make and also associating them with their specific user stories. This will also serve as a guide during implementation of these tests.

Test Cases

Test Case User Login

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-01	US-01	User Logs in	User is on the log in page of the app	**Username**: Brian **Password:** password	User is logged in successfully.	UC1			
TC-02		User credentials don't exist	User is on the log in page of the app	**Username**: Finn **Password**: egg	System asks informs user of wrong credentials.	UC2			

Test case User Registration

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-03	US-02	Add a user as a normal user	User is not already in the system.	First name: Naomi Last name: Jersey Username: Naomi Email: naomi@user.com Password: password Role: User	The User account has been added to the system.	BR1	UC3	F1-FR1	BR14
TC-04		Add a new user with email which has already been taken.	Is on the sign up page.	First name: Daniel Last name: Vorst User name: Daniel Email: daniel@user.com Password: apple	The system informs the user the current email is in use.		UC4	F1-FR2	
TC-05		Add user as an Admin	User is not already in the system.	User name: John Email: John@admin.com Password: password Role: Admin	The User account has been added to the system.		UC5	F1-FR3	

Test Case viewing products

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-06	US-03	View shoe details.	Is logged into their account and navigated products tab.	None	The user can view various shoes and their details.		UC6		

Test case editing number of product stock

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-07	US-04	Changing number of stock as an admin	Is in the admin board and navigates to product edit page.	name: kyrie 5 price: 200 stock: 13 Size: 43	The system updates specified product data.		UC7		
TC-08		Changing number of stock as an admin	Is in the admin board and navigates to product edit page.	name: kyrie 5 price: 200 stock: 13 Size: 43	This is not possible because the current user(User) will not be able to access the admin board.		UC8		

Test Case Adding new product

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-09	US-05	Add a new product.	In the add new item tab	name: Airforce 1 price: 100 stock: 20 Size: 42	The System adds new product to list of products		UC9		
TC-10		Add a new product to without filling all the fields.	In the add new item tab	name: Airforce 1 price: 100 stock: Size: 42	The system will give a warning that a filled is missing.		UC10		

Test case deleting product

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-11	US-06	Remove a product from the store.	On admin board	name: Airforce 1	The System removed specified product from the inventory.		UC11		

Test case Adding Product to shopping cart

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered

TC-12	US-07	Adding a product to the shopping cart.	In products tab	Name: Crocs Quantity: 3	The System adds this to cart and updates total price.		UC12		

Test case filtering Products by category/name

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-13	US-08	Filters list of products by pr ovided category/name	In products tab	Category: Man	The system provides products with the category "Men"		UC11		
TC-14		Filtering for name or category that does not exist	In products tab	Category: Fish	The system will return an empty list.		UC12		

Test case: Customer Place Order

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-15	US-09	Place an Order as Customer	4 Italian-suits in the Shopping Cart.	First name: Daniel Last name: Vorst Username: Naomi Email: naomi@user.com Password: Created6 Role: Customer	Confirmation Of Successfully Payment and Email containing the Order Information	BR1	UC13	F1-FR1	BR14
TC-16		Customer Placed an Order with an Account	4 Italian-Suits in the Shopping Cart logged in with an Account	Username: Daniel Email: daniel@user.com Password: Created6	Confirmation of Successfully Payment and an Email containing the Order Information. The Order also is Visible in the Order History of the Account. An Empty Cart is Displayed with the Message That there are no Order placed in it.		UC14		
TC-17		Place Order without Valid Payment Information's	User is not already in the system.	Username: John Email: John@admin.com Password: password	The Cart is Shown, and an Error message is Shown, that the Payment was not Successful				

				Role: james					

Test case: Customer Make Payment By-Card

ID	US	Name	Pre-condition	Test data	Expected result	Business-Req Covered	Use Case Covered	Function Req Covered	Business Rules Covered
TC-15	US-09	Place an Order as Customer	4 Italian-suits in the Shopping Cart.	First name: Daniel Last name: Vorst Username: Naomi Email:	Confirmation Of Successfully Payment and Email containing the Order Information	BR1	UC14	F1-FR1	BR15

				naomi@user.com Password: Created6 Role: Customer					
TC-16	Customer Placed an Order with an Account	4 Italian-Suits in the Shopping Cart logged in with an Account	Username: Daniel Email: daniel@user.com Password: Created6 Address: 25 Garden-City Zip code: 4567AD A/c: NL46578869970044	Confirmation of Successfully Payment and an Email containing the Order Information. The Order also is Visible in the Order History of the Account. An Empty Cart is Displayed with the Message That there are no Order placed in it.		UC15		
TC-17	Place Order without Valid Payment Information's	User is not already in the system.	Username: John Email: John@admin.com Password: password	The Cart is Shown, and an Error message is Shown, that the Payment was not Successful				

Testing Strategy

Unit Testing

I intend to make unit tests that are based on the acceptance criteria and what could go could go wrong within the system. The unit tests will ensure that the application works comfort the criteria.

Integration Testing

I will be using GitLab CI/CD pipeline to ensure my application is well integrated by passing various tests such as build test, unit test tests, code quality assurance checks, end-to-end tests, and finally the deployment phase which will be carried out using docker. This almost acts as a two-factor authentication after having the basic unit-testing.