



# **FINAL PROJECT**

**2023/12/19**

**Prepared By**

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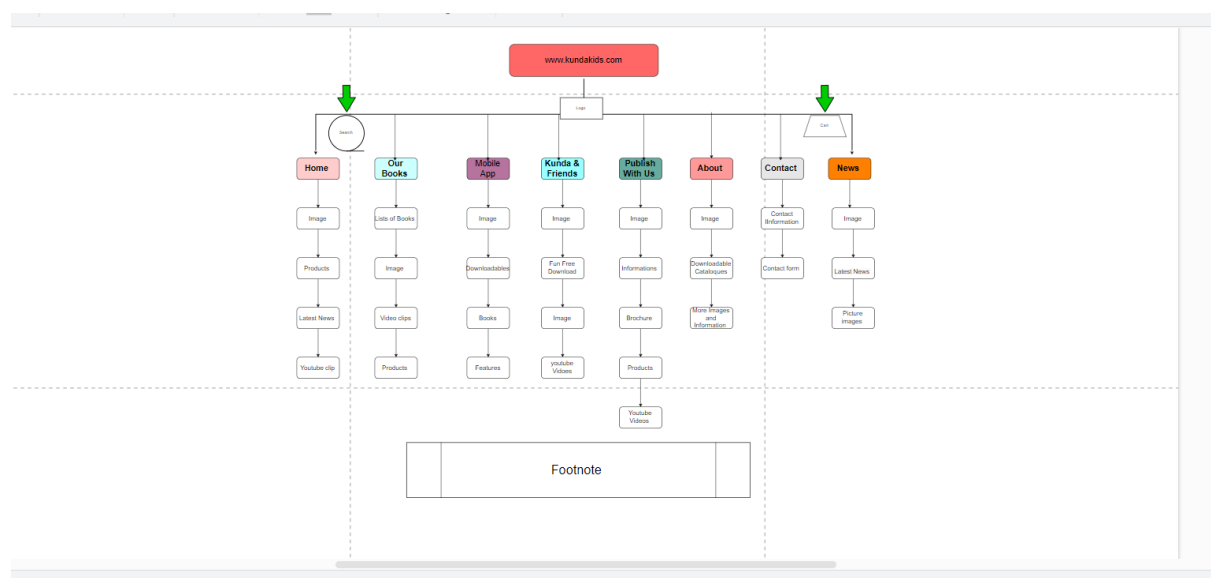
.....

## **Purpose**

The aim of this project is to test the functionalities of a children's book website to ensure that customers are able to log on to the website and make their purchases successfully and without hurdles. The area to be tested is the shopping cart and checkout functions.

## **Testing section**

This Diagram is a virtual Structure of a Children book website '[www.kundakids.com](http://www.kundakids.com)'. I used varieties of colours to differentiate the Menu bar from the sub-menu, the intention is to make the diagram clear and readable whilst highlighting the most important aspect of the website, for instance,. Red colour bar at the extreme top was used to highlight the website that was used for this project and finally the 2 green downward pointing arrows are used to distinguish the area that will be tested from every other section.



## **Testing Checklist(s) and Checkpoint(s)**

The following checklist(s) are screenshot(s) from Testrail.

**Functionality** 0

Contains 3 sections and 19 cases. [Edit description](#)

ID Title

[Add Case](#) | [Add Subsection](#)

**Test if Item can be added into the cart** 7

I want to test if a customer can add items into a cart successfully.

ID	Title	
C9	On the browser, search for 'kundakids.com'	>
C26	Check if the website can be accessed	>
C11	On the search field enter name of desired product	>
C25	Check if 'Books' appears when searched	>
C13	Check the cart if the product was successfully added	>
C31	Check that the user is able to remove item from the cart	>
C33	Check that the number of products changes when products are being added and removed	>

[Add Case](#) | [Add Subsection](#)

6 ?

**Test if Customer can successfully check-out** 12

ID	Title	
C14	When a Customer have added items to the shopping cart	>
C15	Check if Customer can view items already added to the cart	>
C32	Check that entire item appears on the checkout list	>
C30	Check that the product details opens when the User click on 'Product details' from the checkout page.	>
C27	Check if the 'Proceed to payment' is clickable and Functional	>
C16	Check that the billing input form displays correctly	>
C17	Test if the input field allow entries of information	>
C18	Proceed to payment Option	>
C20	When Customer choose card option payment	>
C22	When Customer add the correct information	>
C23	Test if proceed to payment button works	>
C24	Check if 'Payment is successful' displays	>

<https://giftakoto.testrail.io/index.php?cases/view/27>

6 ?

All

**Functionality**

- Test if Item can be added into the cart
- Test if Customer can successfully check-out

+ Add Section

## Detailed test cases

The following screenshots of the detailed test case(s) were derived from testrail

1.

The screenshot shows a TestRail test case interface. At the top, there's a header with 'C26' in a purple circle, a pencil icon, and navigation arrows. The title 'Check that the website can be accessed' is prominently displayed. Below the title, a breadcrumb trail reads 'Functionality > Test if Item can be added into the cart'. A green success message states 'Successfully updated the test case.' Below this is a table with test case metadata. The table has four columns: 'Type', 'Priority', 'Status', and 'Assigned To'. The first row shows 'Other', 'Critical', 'Design', and 'None'. The second row shows 'Estimate', 'References', 'Automation Type', and 'None'. Below the table, there are sections for 'Mission' and 'Goals'. The 'Mission' section contains the text 'Mission is to ascertain that the website can be found.' The 'Goals' section contains the text 'The goal is to check that the website is publicly available for customers to explore and make purchases.'

Type	Priority	Status	Assigned To
Other	Critical	Design	None
Estimate	References	Automation Type	
None	None	None	

**Mission**

Mission is to ascertain that the website can be found.

**Goals**

The goal is to check that the website is publicly available for customers to explore and make purchases.

2.

https://github.com/.../.../.../.../...

### Preconditions

User already selected desired book products and have added them into the cart  
 User has successfully registered with his/her information  
 User has fully entered shipping address.  
 User already made payment

### Steps

1	When Customer has successfully entered shipping information and click on 'Proceed to payment'	Payment gateway options should display
2	When customer choose the 'Mastercard option' as a payment gateway and click 'Enter'	Mastercard information input field should display
3	When the Customer types in the correct 16 digit numbers, CVC, Card expiry date, card name and click on 'enter'	The Customer receives notification for verification
4	When Customer verifies the payment	The customer should receive a confirmation that 'Payment is successful'.

3.

### Check that the user is able to remove item from the cart

Functionality > Test if Item can be added into the cart

Successfully updated the test case.

<b>Type</b> Other	<b>Priority</b> Medium	<b>Status</b> Design	<b>Assigned To</b> None
<b>Estimate</b> None	<b>References</b> None	<b>Automation Type</b> None	

### Preconditions

Product is already in the cart

### Steps

1. When Customer is on the cart lists
2. Customer hover to the unwanted product and click on it
3. Customer click the negative (-) symbol.

### Expected Result

Item Should be successfully removed and numbers of the items in the shopping cart should reduce.

4.

C25

← →

Edit

### Check if 'Books' appears when searched

Functionality > Test if Item can be added into the cart

<b>Type</b> Other	<b>Priority</b> Medium	<b>Status</b> Design	<b>Assigned To</b> None
<b>Estimate</b> None	<b>References</b> None	<b>Automation Type</b> None	

#### Mission

Mission is confirm if the search button works and also if the page displays the correct search.

#### Goals

The goal is to ensure the search product displays as it should, and can be found if available in the webpage.

5.

### Check that the number of products changes when products are being added and removed

Functionality > Test if Item can be added into the cart

<b>Type</b> Other	<b>Priority</b> Medium	<b>Status</b> Design	<b>Assigned To</b> None
<b>Estimate</b> None	<b>References</b> None	<b>Automation Type</b> None	

#### Mission

The mission is to test if customer is able to add and remove more product.

#### Goals

The goal is to ascertain that actions taken by the customer produces the required result. Actions, such as adding and removing items from the cart this ensures that the number of item added or remove is the actual items the customer desires to purchase.

6.

C17

Test if the input field for shipping address allow entries of information

Functionality > Test if Customer can successfully check-out

Successfully updated the test case.

Type	Priority	Status	Assigned To
Other	Medium	Design	None
Estimate	References	Automation Type	
None	None	None	

Mission

The mission is to check if Customer can successfully add shipping information and make a successful payment

Goals

The goal is that the Customer is able to check out and make his/her purchase after putting the correct information in the input field

7.

Functionality > Test if Item can be added into the cart

Type	Priority	Status	Assigned To
Other	Medium	Design	None
Estimate	References	Automation Type	
None	None	None	

Preconditions

Pre condition for adding item to the cart.  
if the user already entered into the website  
if the user already searched for a product  
if the user found a product and have added to the cart

Steps

- When a User search for 'Kundakids.com' in browser and click 'enter' The page will open
- When user hover to the search icon on the Webpage and type 'Books' All book products should be displayed
- When all books displays and the user finds a particular products and click the 'Add to cart' button Item should be added into the cart.

Details

Tests & Results

Defects

History

People & Status

Status: **Design** Change

Unassigned Change

Created	Gift Akoto
	12/10/2023 10:30 AM
Updated	Gift Akoto
	12/16/2023 11:40 AM

6 ?

8.



### Check that the number of products changes when products are being added and removed

Functionality › Test if Item can be added into the cart

<b>Type</b> Other	<b>Priority</b> Medium	<b>Status</b> Design	<b>Assigned To</b> None
<b>Estimate</b> None	<b>References</b> None	<b>Automation Type</b> None	

#### Mission

The mission is to test if customer is able to add and remove more product.

#### Goals

The goal is to ascertain that actions taken by the customer produces the required result. Actions, such as adding and removing items from the cart this ensures that the number of item added or remove is the actual items the customer desires to purchase.

9.

### Check that the product details opens when the User click on 'Product details' from the checkout page.

Functionality › Test if Customer can successfully check-out

Successfully updated the test case.

<b>Type</b> Other	<b>Priority</b> Medium	<b>Status</b> Design	<b>Assigned To</b> None
<b>Estimate</b> None	<b>References</b> None	<b>Automation Type</b> None	

#### Preconditions

User is on the checkout page

#### Steps

<b>1</b>	Customer adds Product to the shopping cart	Product is successfully added
<b>2</b>	Customer click on the product information and description while in the checkout page.	Detailed information about the product displays.

10.

← Return to Dashboard

Test project

OVERVIEW

TODAY

MILESTONES

TEST RUNS & RESULTS

TEST CASES

REPORTS

C16

← →

Edit

### Check that the billing input form displays correctly

Functionality > Test if Customer can successfully check-out

Type	Priority	Status	Assigned To
Other	Medium	Design	None
Estimate	References	Automation Type	
None	None	None	

Mission

Mission is to know if the correct form as expected displays

Goals

The goal is ensure the input form has all the necessary information and elements required to perform a successful shipping, this is important so that the Customer will make a successful payment

https://giftakoto.testrail.io/index.php?/dashboard

11.

Check if the ' Proceed to payment' is clickable and Functional			
Functionality › Test if Customer can successfully check-out			
Successfully updated the test case.			
Type	Priority	Status	Assigned To
Other	Medium	Design	None
Estimate	References	Automation Type	
None	None	None	
Mission			
Mission is to check if the 'Proceed to payment' is functional.			
Goals			
The goal is to ascertain the responsiveness of the checkout button during when customer performs an action in the this field.			

12.

C11

← →

**On the search field enter name of desired product a 'Afam and the New yam Festival'**

Functionality › Test if Item can be added into the cart


Successfully updated the test case.


<b>Type</b>	<b>Priority</b>	<b>Status</b>	<b>Assigned To</b>
Other	Medium	Design	None
<b>Estimate</b>	<b>References</b>	<b>Automation Type</b>	
None	None	None	

**Preconditions**

User Already have access to browser and internet connection.  
Customer is already logged in to the page

13.

**C15** 

← → 

## Check that the customer is able to check out one (1) product from the lists of items i...

Functionality › Test if Customer can successfully check-out

Successfully updated the test case.

<b>Type</b>	<b>Priority</b>	<b>Status</b>	<b>Assigned To</b>
Other	Medium	Design	None
<b>Estimate</b>	<b>References</b>	<b>Automation Type</b>	
None	None	None	

### Preconditions

User must have multiple products in the shopping cart.

### Steps

Action 1. User hover and click the shopping cart icon

Action 2. User moves to the items he/she is willing to checkout and click on the checkbox

Action 3. user click on 'proceed to payment'

### Expected Result

Expected result 1. Products already added to the shopping cart displays

Expected result 2. The checkbox mark green or good

Expected result 3. payment options displays on the screen

## Check that the option to save card details display pops up after making payment

Functionality › Test if Customer can successfully check-out

Successfully updated the test case.

<b>Type</b> Other	<b>Priority</b> Low	<b>Status</b> Design	<b>Assigned To</b> None
<b>Estimate</b> None	<b>References</b> None	<b>Automation Type</b> None	

### Preconditions

User already added card information during checkout

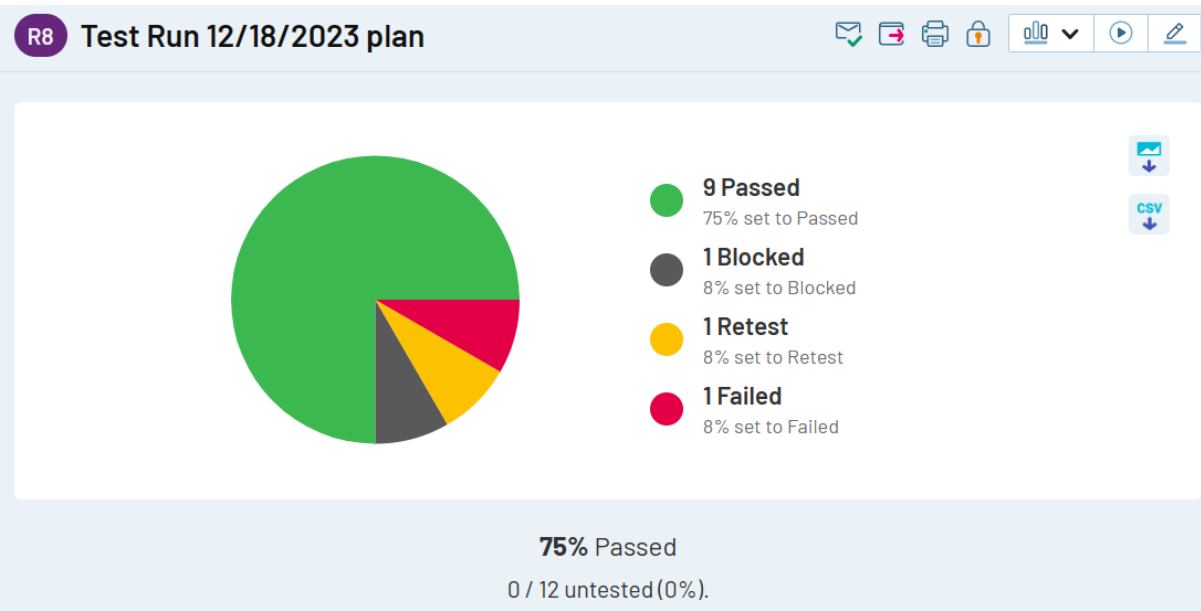
### Steps

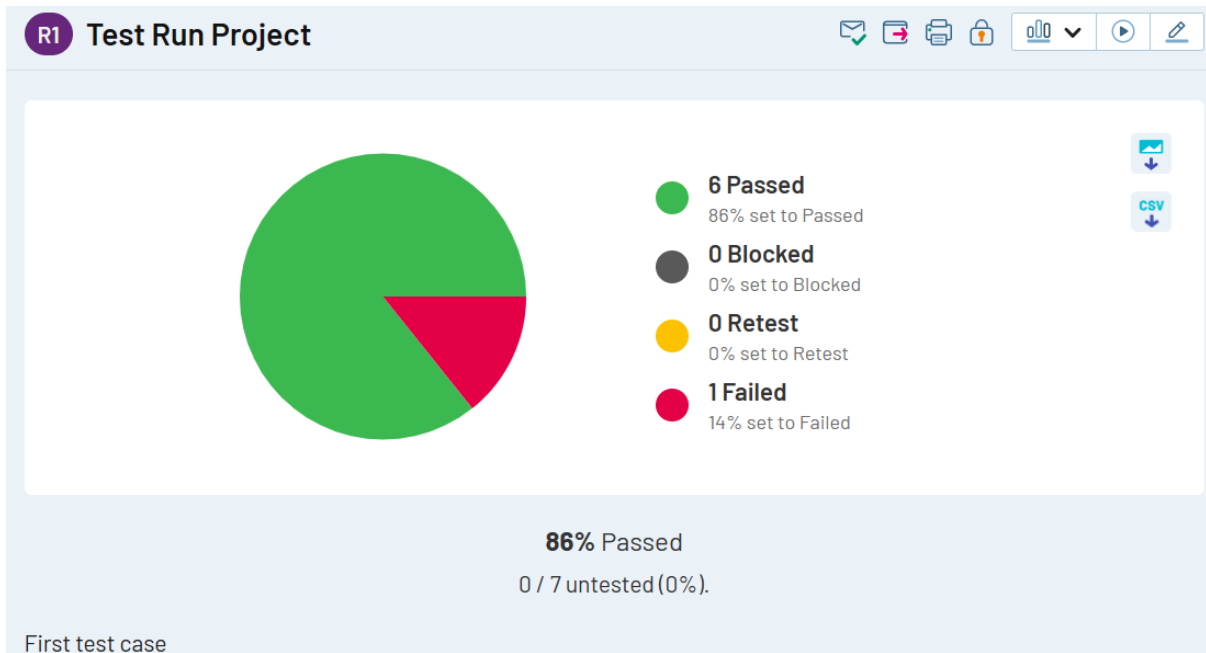
User adds card information to make a purchase.  
User have successfully make payment  
user receives confirmation of payment after confirming the payment

### Expected Result

An option to save card information pops up

## Test run





## Founded Bug/issues

The problem found in this project was a functional bug, and the bug report was written using the backlog tool and the screenshot is attached.

Dashboard Projects Recently Viewed Filters Upgrade Search this Space Student

**Bug** FINALSDAPROJECT-1

Due Date - Open Watch Edit

**Searching for 'book' in the webpage was unsuccessful**

**Gift Nana Akoto**  
Created Dec. 19, 2023 00:47:06

On the home page of Kundakids.com, I navigated to the search box and typed 'Book', but I got an error message 'This item cannot be found', however, the expected result was to see lists of books available in the store.

**\*\*Steps to reproduce. \*\***  
Go to the home page of www.kundakids.com  
Navigate to the search box  
Search 'book'

**Expected result**  
list of books available should filter and display on the screen

**Actual result**  
This item cannot be found

Assignee: Gift Nana Akoto Category:

Write a comment, use @mention to notify a colleague... Change Status

## Test techniques used

This project mostly used the **State transition techniques**. According to ISTQB “State Transition Testing techniques is black-box test techniques in which the test cases are designed to exercise elements of a state transition model” this technique was adopted to show the results of the changes orchestrated by a change input. During the testing, the behaviour of the website changed under various input scenarios that produced expected and actual results.

## Reflection

During this project I have experienced moments of patience, perseverance, critical and analytical thinking, these are some of the soft skills that I pose and this project has once again put these soft skills into practise. In this project, one of the areas that was a little challenging was the diagram, finding what structure and elements that would represent and interpret my idea was a problem, finding the arrows and connections that would align with the boxes was another issue, it caused me to try to apply over 5 types of drawing software because it got to a point that I could not get ahead that i had to repeat on another application. To add, writing the test cases came in handy because I had to think about what would better explain the scenarios. Regardless, I suppose my challenges during the project stemmed from the fact that I was trying out all the tools for the first time, and by the end of this project, it was worth any time spent.