Test Plan For : (Final\_project\_for\_E-Commerce)

(Alpha testing) 🡪 SwagLabs

Group 2 DEPI :

**Feature**

Sign-up/Sign-in Forget Password

**Time Estimate**

6 hours

1 hour

|  |  |
| --- | --- |
| 1. (Team Leader) | Youssef Amr Mohamed |
|  | Ismail Tamer Mokhtar |
|  | Mohamed Gamal Mohamed |

**Testing Scope:**

**User Stories : (*5*)**

**Role**

Manual Tester Automation Tester

**Names**

Anees, Tester 2

Tester 3

|  |  |
| --- | --- |
| 1> | **User Interface (UI - UI Functionality)–**  Youssef Amr |
| 2> | **Main Page (products – items) –**  Youssef Amr – Ismael Tamer |
| 3> | **Main Menu–**  Youssef Amr – Mohamed Gamal |
| 4> | **Cart –**  Youssef Amr –Ismael Tamer |
| 5> | **Check out –**  Youssef Amr – Ismael Tamer |

**Test Levels and Test Types:**

# Test Levels:

 Component Testing

* Integration Testing
* System Testing

# Test Types:

**Manual Testing :**

Youssef Amr / IsmaelTamer / Mohamed Gamal

(12 hours and 55 mins .)

**Execution :**

Youssef Amr / Ismael Tamer / Mohamed Gamal

(5 hours)

**Automation Testing:**

Youssef Amr

(8 hours)

**(API) 🡪 https://restful-booker.herokuapp.com/**

Youssef Amr / Ismael Tamer

(3 hours)

**Items to be covered for Testing Types :-**

-test suits for manual testing

-test cases for manual testing

-bug reports on website

-test coverage for manual testing

-create / design test scripts for automation testing

--**CheckList—**

**Risks :**

Human risk (None) – Personal risk (None)

Project risk (None) .

**kpi :**

-bug detection rate

-test coverage percentage

-response time for API requests

**Test Case Creation Time**

**Mitigation** Risk Monitoring Risk Transfer Risk Monitoring

|  |  |
| --- | --- |
| UI | (140 min.) : 180 min. (Testing)  + 40 min. (Test Suit - Summary) |
| Main Page | (120 min.) : 300 min. (Testing)  + 30 min. (Test Suit - Summary) |
| Main Menu | (110 min.) : 120 min. (Testing)  + 25 min. (Test Suit - Summary) |
| Cart | (70 min.) : 90 min. (Testing)  + 20 min. (Test Suit - Summary) |
| Check out | (180 min.) : 180 min. (Testing)  + 25 min. (Test Suit - Summary) |
| Sum: | 1010 min. |

**Test Case Execution**

|  |  |
| --- | --- |
| **UI** | 60 min**.** |
| Main Page | 90 min. |
| Main Menu | 40 min. |
| Cart | 60 min. |
| Check out | 80 min. |
| Sum: | 330 min. |

***{All : 22 hours and 33 minutes}***

Website ***Entry*** and ***Exit*** Criteria:—

These criteria define the conditions for a user to successfully "enter" and "exit" specific areas of the website, including the UI, main page, main menu, and cart.

1. General Website Entry Criteria:
2. \* Successful Loading: The website loads completely and correctly in the user's browser within an acceptable timeframe (e.g., under 3 seconds for the initial page load). This includes all assets like images, scripts, and stylesheets.

\* **Accessibility**: The website is accessible to users with disabilities, ( proper alt text for images, keyboard navigation, screen reader compatibility).

\* **Browser Compatibility**: The website functions correctly across major web browsers (e.g., Chrome, Firefox, Safari, Edge) and devices (desktop, mobile, tablet).

\* **Clear Navigation**: The user can easily understand and navigate the website's structure.

II. **General Website Exit Criteria**:

\* User Intention: The user has accomplished their intended task on the website (e.g., made a purchase, read an article, found information).

\* Clear Exit Points: The user can easily close the browser tab or navigate away from the website.

\* No Errors: No JavaScript errors or other technical issues occur upon exit.

\* Data Persistence (if applicable): If the user has added items to a cart or filled out a form, the data is either saved for a reasonable period (if they are a logged in user) or cleared if they are a guest

. This should be clear to the user.

1. **UI (User Interface) Entry Criteria:**

\* Consistent Design: The UI elements (buttons, forms, icons, etc.) are consistent throughout the website.

\* Intuitive Layout: The layout of the UI is logical and easy to understand.

\* Responsive Design: The UI adapts seamlessly to different screen sizes and devices.

\* Clear Feedback: The UI provides clear feedback to user actions (e.g., button clicks, form submissions).

**IV. UI Exit Criteria**:

\* Task Completion: The user has successfully interacted with the UI to complete their desired task.

\* Smooth Transitions: Transitions between different UI elements or pages are smooth and seamless.

\* No UI Freezes: The UI does not freeze or become unresponsive during interaction.

**V. Main Page Entry Criteria**:

\* Fast Loading: The main page loads quickly and displays key information immediately.

\* Clear Value Proposition: The main page clearly communicates the website's purpose and value to the user.

\* Engaging Content: The content on the main page is engaging and encourages users to explore further.

**VI. Main Page Exit Criteria:**

\* Navigation: The user has navigated to another page on the website.

**\***  While not strictly an exit criterion, a high bounce rate on the main page might indicate a problem with its content or design.

**VII. Main Menu Entry Criteria:**

\* Accessibility: The main menu is easily accessible from all pages of the website.

\* Clear Labels: The menu items are clearly labeled and easy to understand.

\* Logical Organization: The menu items are organized logically and intuitively.

**VIII. Main Menu Exit Criteria:**

\* Navigation: The user has clicked on a menu item and navigated to the corresponding page.

**IX**. **Cart Entry Criteria**:

\* Easy Access: The cart is easily accessible from all pages of the website (usually via a cart icon).

\* Clear Display: The cart displays the items added by the user clearly, including quantities and prices.

\* Functionality: The user can easily add, remove, and update items in the cart.

**X. Cart Exit Criteria**:

\* Checkout: The user has proceeded to the checkout process.

\* Cart Abandonment: The user has left the cart without completing a purchase (this might trigger a reminder email or other follow-up).

\* **Empty Cart**: The user has emptied the cart and navigated away.

These criteria are a starting point and can be customized based on the specific requirements of the website. They are useful for testing, design reviews, and ensuring a positive user experience.