

## TEST DESIGN DOCUMENT FOR DESIKART

The purpose of this document is to outline the test design for the online grocery e-commerce website named DesiKart. This document provides an overview of the testing methodology, test scenarios, and test cases for the website.

### Testing Methodology:

The testing methodology for the website will be a combination of manual testing and automated testing. The manual testing will involve functional and non-functional testing to ensure the website's quality and performance. The automated testing will focus on testing the website's functionality.

### Test Scenarios:

#### User Registration and Login:

Test Scenario: Verify that the user can register and login successfully.

Test Cases: Verify that the user can create an account, receive a confirmation email, and login with the correct credentials.

#### Product Catalogue:

Test Scenario: Verify that the product catalogue is functional and accurate.

Test Cases: Verify that all products are listed in the correct categories, that the product information is accurate, and that the product images are displayed correctly.

#### Shopping Cart:

Test Scenario: Verify that the shopping cart functionality is working correctly.

Test Cases: Verify that the user can add products to the cart, edit the quantity of the products, and remove products from the cart.

#### Checkout and Payment:

Test Scenario: Verify that the checkout and payment process is working correctly.

Test Cases: Verify that the user can complete the checkout process, select the payment method, and receive a confirmation email.

#### Order Tracking:

Test Scenario: Verify that the order tracking functionality is working correctly.

Test Cases: Verify that the user can track their order from the time of purchase to pick-up time.

**Search Functionality:**

Test Scenario: Verify that the search functionality is working correctly.

Test Cases: Verify that the user can search for products by name, category, or other parameters.

**Test Environment:**

The test environment will consist of the following:

Operating System: Windows 10, Linux.

Web Browser: Chrome, Firefox.

Test Automation Tools: Mocha/Supertest, Jest for API testing.

**Conclusion:**

This test design document provides an overview of the testing methodology, test scenarios, and test cases for the DesiKart website. These tests will ensure that the website is functioning correctly, is user-friendly, and meets the requirements outlined in the software requirements specification document.