Final Report

1. Title Page

- **Project Name:** Grocery Shopping Application Testing

- **Report Title:** Final Test Report

- **Version:** 1.0

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3. Introduction

- **Project Overview:** The grocery shopping application allows users to browse products, add them to a cart, and complete purchases.

- **Purpose of Testing:** The testing aimed to ensure the functionality, usability, and performance of the application across web and mobile platforms.

- **Scope:** Testing covered various functionalities including account management, product search, cart management, checkout process, order history, and usability feedback.

4. Test Plan Summary

- **Test Strategy:** Functional, usability, and performance testing were conducted on both web and mobile versions of the application.

- **Entry Criteria:** The application was in a stable state with all necessary resources available for testing.

- **Exit Criteria:** All test cases were executed, and bugs were resolved to an acceptable level.

- **Test Environment:** Testing was performed on different browsers (Chrome, Firefox) and mobile operating systems (Android).

- **Tools Used:** Test cases were managed using Excel sheets.

5. Test Cases and Results

- **Summary:**

  Total Test Cases: 53

  Test Cases Executed: 53

  Test Cases Passed: 45

  Test Cases Failed: 8

- **Detailed Test Cases:**

- **Account Creation and Login Functionality:**

- Passed: 21 test cases executed successfully.
- Failed: 7 test cases failed due to incorrect error handling.

- **Product Search and Filter:**

- Passed: 9 test cases executed successfully.
- Failed: 1 test case failed to display search results accurately.

- **Adding Items to Cart:**

- Passed: 6 test cases executed successfully.
- Failed: None.

- **Checkout Process:**

- Passed: 4 test cases executed successfully.
- Failed: None.

- **Order History and Modification:**

- Passed: 5 test cases executed successfully.
- Failed: None.

6. Bug Reports

- **Summary:**

  - **Total Bugs Identified:** 7

 - **Severity Levels:**

- **High:** 6
- **Medium:** 1

  - **Detailed Bug Reports:**

- **High Bugs:**

- **BUG_002:** An Error when signing with google.
    - **Status:** Open
    - **Description:** when choose to sign up with google email it returns you to sign up page
    - **Reproduce:** 1- Go to sign up page
    - 2- Click on Continue With Google button
      3-Enter a correct google email
      4-Enter the password of this email
      5-Click on "متابعة" button
      OR if you signed before with google email in any platform you choose the email to sign in.
    - **Expected Result:** Should go to home page and send an email to your email.
    - **Actual Result:** The email was sent but did not go to home page.
    - .
- **BUG_003:** An Error when signing with Facebook
    - **Status:** open
    - **Description:** when choose to sign up with Facebook account, an error appears
    - **Steps to Reproduce:** 1- Go to sign up page   2- Click on Continue With Facebook button
    - **Expected Result:** Signup and go to home page
    - **Actual Result:** Signup Failed, error message "Error Accessing App"
- **BUG_004:** An error when apply filter
    - **Status:** Open
    - **Description:** It happens in all the browsers, when you click on apply filter
    - **Steps to Reproduce:** 1. be in home page   2. Navigate to the search bar on the homepage.   3. Enter a product name
      4. Click on the Enter button.
      5. Enter a minimum and maximum price range
      6.Select a category and offer
      7. Apply the filter.

- **Expected Result:** Products within the specified Filters are displayed
- **Actual Result:** An error appear

BUG_005: Verification Code was not sent

Status: open

- **Description:** It happens when enter a phone number, and Continue button
- **Steps to Reproduce:** 1- be in sign up page   2- Enter a correct phone number   3- click on continue button
- **Expected Result:** Should send Verification Code
- **Actual Result:** Verification Code was not sent.

BUG_006: An Error when signing with existing phone number

Status: open

- **Description:** when enter an existing phone number signed before did not show any error
- **Steps to Reproduce:** 1- Go to sign up page
- 2- Enter a signed phone number.
- 3- Click on the continue button.
- **Expected Result:** Should show error message "Phone already existed"
- **Actual Result:** Showed nothing

BUG_007: An Error when login with Facebook

Status: open

- **Description:** when choose to login with Facebook account, an error appears
- **Steps to Reproduce:** 1- Go to login page   2- Click on Continue With Facebook button
- **Expected Result:** go to home page
- **Actual Result:** login Failed, error message "Error Accessing App"

- **Medium Bugs:**

- **BUG_001:** Resend button do not response correctly.
  - **Status:** Open
  - **Description:** It happens in all the browsers, when you click on it do not send any code and go to sign up page
  - **Reproduce:** 1- be in sign up page 2- Enter a correct phone number 3- click on continue button   4- click on resend button in Verification Code page
  - **Expected Result:** Should resend another code and still in Verification Code page

- o **Actual Result:** gone to the sign up page and the Verification Code was not sent
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7. Usability Feedback

Overall User Experience

1. **Navigation and Layout:**
   - o **Positive:** The application's layout is intuitive, with a clear and logical navigation structure that makes it easy for users to browse products, manage their cart, and proceed to checkout.
   - o **Improvement:** Consider adding a fixed navigation bar that remains visible as users scroll, making it easier to access important sections without needing to scroll back to the top.
2. **Product Search and Filtering:**
   - o **Positive:** The search functionality is straightforward, and the filter options are useful for narrowing down product choices.
   - o **Improvement:** Enhance the real-time feedback in the search function. For example, implementing autosuggestions as users type can improve the search experience.
   - o **Issue:** There is a bug in the filter functionality on the web version. Filters do not reset correctly when navigating between pages, which can lead to confusion and a poor user experience. This should be addressed to ensure filters work consistently and accurately.
3. **Product Information:**
   - o **Positive:** Product pages provide comprehensive information, including images, descriptions, prices, and availability.
   - o **Improvement:** Ensure all product descriptions are free from typos and grammatical errors. Consider adding customer reviews and ratings to help users make informed purchasing decisions.
   - o **Issue:** Currently, each product page displays only one image per product. To enhance the user experience, provide multiple images per product, showing different angles and details to help users make better purchasing decisions.
4. **Adding Items to Cart:**
   - o **Positive:** Adding items to the cart is a simple process, with clear feedback when items are added.
   - o **Improvement:** Fix intermittent issues with adding items to the cart to ensure reliability. Implement a visual indicator (e.g., a mini cart that updates in real-time) to show users the items in their cart as they add more products.
5. **Checkout Process:**
   - o **Positive:** The checkout process is generally smooth, with clear steps and options for payment.
   - o **Improvement:** Address payment gateway integration issues to prevent disruptions. Provide users with a progress indicator showing their current step in the checkout process and what's next.

6. **Order History:**
   - o **Positive:** The order history feature allows users to easily view their past orders.
   - o **Improvement:** Ensure the order history page loads consistently without errors. Adding more details to each order (e.g., tracking information, status updates) would enhance the user experience.
7. **Mobile Experience:**
   - o **Positive:** The mobile version of the application is responsive and generally user-friendly.
   - o **Improvement:** Correct visual design issues, such as overlapping or misaligned elements, to enhance the mobile user experience. Ensure touch targets are appropriately sized for mobile interactions.
8. **Error Messages and Feedback:**
   - o **Positive:** The application provides error messages when invalid data is entered.
   - o **Improvement:** Make error messages more specific and actionable. For instance, instead of a generic "Invalid input" message, specify what needs to be corrected (e.g., "Password must be at least 8 characters").
9. **Loading Times:**
   - o **Improvement:** Pages load slowly, affecting the overall user experience. Optimize server performance and reduce load times for data-heavy pages like order history and product search results. Implement caching strategies and optimize database queries to improve response times.
10. **Login Process:**
    - o **Improvement:** There are bugs in the login process that need immediate attention. Users encounter errors when trying to log in with correct credentials, which severely impacts usability. Ensure robust error handling and validation mechanisms are in place to resolve login issues.
11. **Order Modification:**
    - o **Improvement:** Currently, users are unable to modify their orders after placement. Implement functionality that allows users to modify orders (e.g., change quantities, add or remove items) before the order is shipped.

Additional Suggestions

- **User Onboarding:** Consider implementing a user onboarding tutorial for new users to guide them through the app's main features.
- **Accessibility:** Improve accessibility features, such as better screen reader support, larger touch targets, and high-contrast mode options.
- **Customer Support:** Add a live chat option or an easy-to-find customer support section to assist users with immediate issues or questions.

8. Conclusion

- **Conclusion:** The testing process identified several areas of improvement and provided valuable insights into the functionality and usability of the application.

9. Appendices

- **Appendix A:** Test Case Documentation

- **Appendix B:** Bug Report Documentation

- **Appendix C:** Usability Feedback Details