Summary

The Electro Webshop is an e-commerce platform dedicated to the sale of electronic and electrical products. With a focus on providing an exceptional shopping experience for tech enthusiasts and professionals, this online store offers a wide range of electronic devices, components, and accessories. Here's a summary of key features and offerings:

- The Webshop boasts an extensive catalog featuring the latest electronic gadgets, home appliances, components, and accessories.
- Customers can easily navigate, search, filter, and sort products to find exactly what they need.
- Each product listing includes comprehensive details, high-resolution images, and specifications to assist customers in making informed purchasing decisions.
- The platform's intuitive design ensures a smooth and efficient shopping experience for users of all technical backgrounds.
- The Webshop is fully responsive, providing a seamless shopping experience across various devices, including desktops, smartphones, and tablets.
- Customers can create and manage accounts, allowing them to save their preferences, track order history, and expedite the checkout process.
- An easy-to-use shopping cart allows customers to review and modify their orders before proceeding to a secure checkout process.

The following document outlines the acceptance criteria that need to be considered when testing various pages and functionalities in the application, including Login, My Account, Account Details, Addresses, and Search. Each page has unique features and functionality that require thorough testing to ensure the application functions as intended. The purpose of this document is to provide a specification that will enable testers to identify any issues or bugs in the application and ensure it meets the requirements and expectations of the end-user.

The following items are in scope for testing in this application: the login functionality, addresses, and account details from the 'My Account' page, as well as the search bar.

Project: Electro Webshop
URL: https://demo2.madrasthemes.com/electro/

1. My Account (Registered user)

In the testing scope is only the login functionality ('Login form', 'Remember me', 'Lost your password?'.

The user must be able to login with an existing account.
The login form is under the My Account page.
By entering a correct email/username, the user is logged in and the message
"Hello **{username}**(not **{username}**? Log out) is displayed.

- **'Username or email address'** – pre registered user
  - The user must be able to login with Email or Username.
  - The user must use an email or username that was previously registered.
- **'Password'**
  - Characters in the Password field must be masked.
  - The password must match the valid password for the created account.
- **'Log in'**
  - By clicking on the 'Log in' button the user will be logged in and My Account page is displayed.
  - Upon login, Dashboard is displayed
  - If the user leaves the fields blank and clicks on the 'Log in', "Error: Username is required.' message must be displayed.
  - If the user leaves the 'Username or email address' blank and clicks on the 'Log in', "Error: Username is required.' message must be displayed.

- - If the user leaves the 'Password' blank and clicks on the 'Log in', "Error: The password field is empty.' message must be displayed.
  - If the user tried to login with an incorrect email/username and password, the message 'Error: Wrong username or password.' must be displayed.
- **'Remember me'**
  - If this checkbox is checked, the login information must be auto-filled for the user when next they access the page, allowing that user to quickly login without having to retype their login credentials.
- **'Lost your password?'**
  - 'Lost your password' is the action of invalidating the current password for an account on the webshop and then creating a new one.
  - By clicking on the 'Lost your password?', the user is redirected to the 'Lost password' page.
  - In the 'Username or email' field the user must be able to enter their registered email/username. By clicking on the 'Reset password', the user receives a password reset email.
  - If an email/username that is registered in the system is entered, 'Password reset email has been sent.' message must be displayed.
  - If an email/username that is not registered in the system is entered, 'Invalid username or email.' message must be displayed.
  - If the user leaves the field blank and clicks on the 'Reset password', "Enter a username or email address." message must be displayed.

2. My Account (Logged in user)

In the testing scope are only the 'Addresses' and 'Account details'.

2.1   Addresses

The "Addresses" page is a crucial component of the online shopping experience. It serves as a hub for managing and organizing shipping and billing information for the customer.

- "Addresses" title must be displayed on the page.
- "The following addresses will be used on the checkout page by default." message must be displayed under the title.
- The page should be divided in two columns for the two types of addresses. 'Billing address' must be displayed on the left side and 'Shipping address' on the right.
- When no address is present, "You have not set up this type of address yet." message must be displayed under the address types.
- If an address is saved, address details must be displayed under the address types.
- On the right side of the address type name, 'Edit' link must be displayed. By clicking on the 'Edit' the user should be redirected to the address form.

2.1.1 Billing address / Shipping address

- When the user clicks on the 'Edit', the form is displayed.
- If the user did not add any address details, the form fields are empty.
- If previously address details were entered, the form fields must be populated with the correct data.
- The mandatory fields must have an asterisk after the label name.
● **'First name' (mandatory field)**
  - The field does not have a placeholder text.
  - The field must accept alphanumeric and special characters in ranges from 1-25.
  - "First name is a required field." message must be displayed if the field is left empty.
  - "Please enter a name from 1 to 25 characters" message must be displayed if more than 25 characters are entered.
● **'Last name' (mandatory field)**
  - The field does not have a placeholder text.

- The field must accept alphanumeric and special characters in ranges from 1-25.
- "Last name is a required field." message must be displayed if the field is left empty.
- "Please enter a name from 1 to 25 characters" message must be displayed if more than 25 characters are entered.

● **Company name (optional)**
  - The field does not have a placeholder text.
  - The field must accept alphanumeric and special characters in ranges from 1-25.
  - "Please enter a Company name from 1 to 25 characters" message must be displayed if more than 25 characters are entered.

● **Country / Region (mandatory field)**
  - The placeholder text "Select a Country / Region…" must be displayed inside the DDL.
  - The list is opened by clicking anywhere on the field.
  - Autocomplete input field is implemented. The user must be able to search any value by full or partial text.
  - By expanding the DDL, 6 values are displayed and to see all of them the user must scroll with the mouse wheel or use the scroll bar on the right side.
  - "No matches found" message is displayed if the input text does not match any value.

● **Street address (mandatory field)**
  - Two fields must be displayed. The fields are displayed vertically, one beneath the other. Only the first field is a mandatory field.
  - The placeholder text "House number and street name" must be displayed inside the first field.
  - The field must accept alphanumeric and special characters in ranges from 1-250.
  - "Street address is a required field." message must be displayed if the field is left empty.
  - "Please enter a Street address from 1 to 250 characters" message must be displayed if more than 250 characters are entered.
  - The placeholder text "Apartment, suite, unit, etc. (optional)" must be displayed inside the second field.
  - The field must accept alphanumeric and special characters in ranges from 1-25.
  - "Apartment, suite, unit, etc. is too long" message must be displayed if more than 25 characters are entered.

● **Town / City (mandatory field)**
  - The field does not have a placeholder text.
  - The field must accept alphanumeric and special characters in ranges from 1-250.
  - "Town / City is a required field." message must be displayed if the field is left empty.
  - "Please enter a Town / City from 1 to 250 characters" message must be displayed if more than 250 characters are entered.

● **State / County (mandatory field)**
  - The field does not have a placeholder text.
  - The field must accept alphanumeric and special characters in ranges from 0-250.

- "State / County is a required field." message must be displayed if the field is left empty.
- "Please enter a State / County from 1 to 250 characters" message must be displayed if more than 250 characters are entered.

● **Postcode / ZIP (optional)**
- The field does not have a placeholder text.
- The field must accept alphanumeric and '-' characters in ranges from 1-25.
- "Postcode / ZIP is too long" message must be displayed if more than 25 characters are entered.
-

● **Phone (mandatory field)**
- The field does not have a placeholder text.
- The field accepts numeric and only the special characters '+', '-', '(', ')' in ranges from 1-25.
- "Phone is not a valid phone number." message must be displayed if invalid data is entered.

● **Email address (mandatory field)**
- The field is pre-populated with the email of the logged in user.
- "Please include an '@' in the email address. '{entered_text}' is missing an '@'." inline validation must be displayed if an email address without an @ is entered.
- "Please enter a part followed by '@'. '@{entered_text}' is incomplete." inline validation must be displayed if an email address without email prefix is entered.
- "'.' is used in a wrong position in '{entered_domain_text}.' inline validation must be displayed if an email address with invalid domain is entered (missing characters after or before the '.').

'Shipping address' form must have the same fields as the 'Billing address' form, except for 'Phone' and 'Email address'.

2.2   Account details

The Account details page serves as a central hub for managing your personal account. Here, you can access and update critical information such as Name, Display name, and Password, ensuring the security and accuracy of your account.

2.2.1   Account details

- **First name (mandatory field)**
  - The field does not have a placeholder text.
  - The field must accept alphanumeric and special characters in ranges from 1-25.
  - "First name is a required field." message must be displayed if the field is left empty.
  - "Please enter a name from 1 to 25 characters" message must be displayed if more than 25 characters are entered.
- **Last name (mandatory field)**
  - The field does not have a placeholder text.
  - The field must accept alphanumeric and special characters in ranges from 1-25.
  - "Last name is a required field." message must be displayed if the field is left empty.
  - "Please enter a name from 1 to 25 characters" message must be displayed if more than 25 characters are entered.
- **Display name (mandatory field)**
  - The field is pre-populated with the prefix of the email address that the user is registered with.
  - "This will be how your name will be displayed in the account section and in reviews" field caption is displayed below the input field.
  - The field must accept alphanumeric and special characters in ranges from 1-25.
  - "Display name is a required field." message must be displayed if the field is left empty.

- "Please enter a Display name from 1 to 25 characters" message must be displayed if more than 25 characters are entered.

2.2.2   Password change

If the password fields are left blank, the password will remain unchanged.
- **Current password (leave blank to leave unchanged)**
  - The field does not have a placeholder text.
  - The user must enter the current password to be able to change to a new one.
  - Characters in the Password field must be masked.
  - If only 'Current password' is entered, "Please fill out all password fields." message must be displayed.
  - "Your current password is incorrect." message must be displayed if the 'Current password' is incorrect.

- **New password (leave blank to leave unchanged)**
  - The field does not have a placeholder text.
  - "Hint: The password should be at least twelve characters long. To make it stronger, use upper and lower case letters, numbers, and symbols like ! " ? $ % ^ &)." field caption is displayed below the input field when the password is weak or very weak.
  - Password strength meter must be displayed below the input field.
  - 'Save changes' button becomes active with Medium password strength.
  - "Please fill out all password fields." must be displayed if the field is left blank.
- **Confirm new password**
  - The field does not have a placeholder text.
  - "Please re-enter your password." message must be displayed if the 'Confirm new password' is left blank.
  - "New passwords do not match." message must be displayed if the 'Confirm new password' does not match the 'New password'.
  - "Account details changed successfully." message must be displayed and the user is redirected to the Dashboard if the password is changed successfully.

The validation messages must appear after clicking on the 'Save address'/'Save changes' button, at the top of the page. These messages must feature white text on a red background.
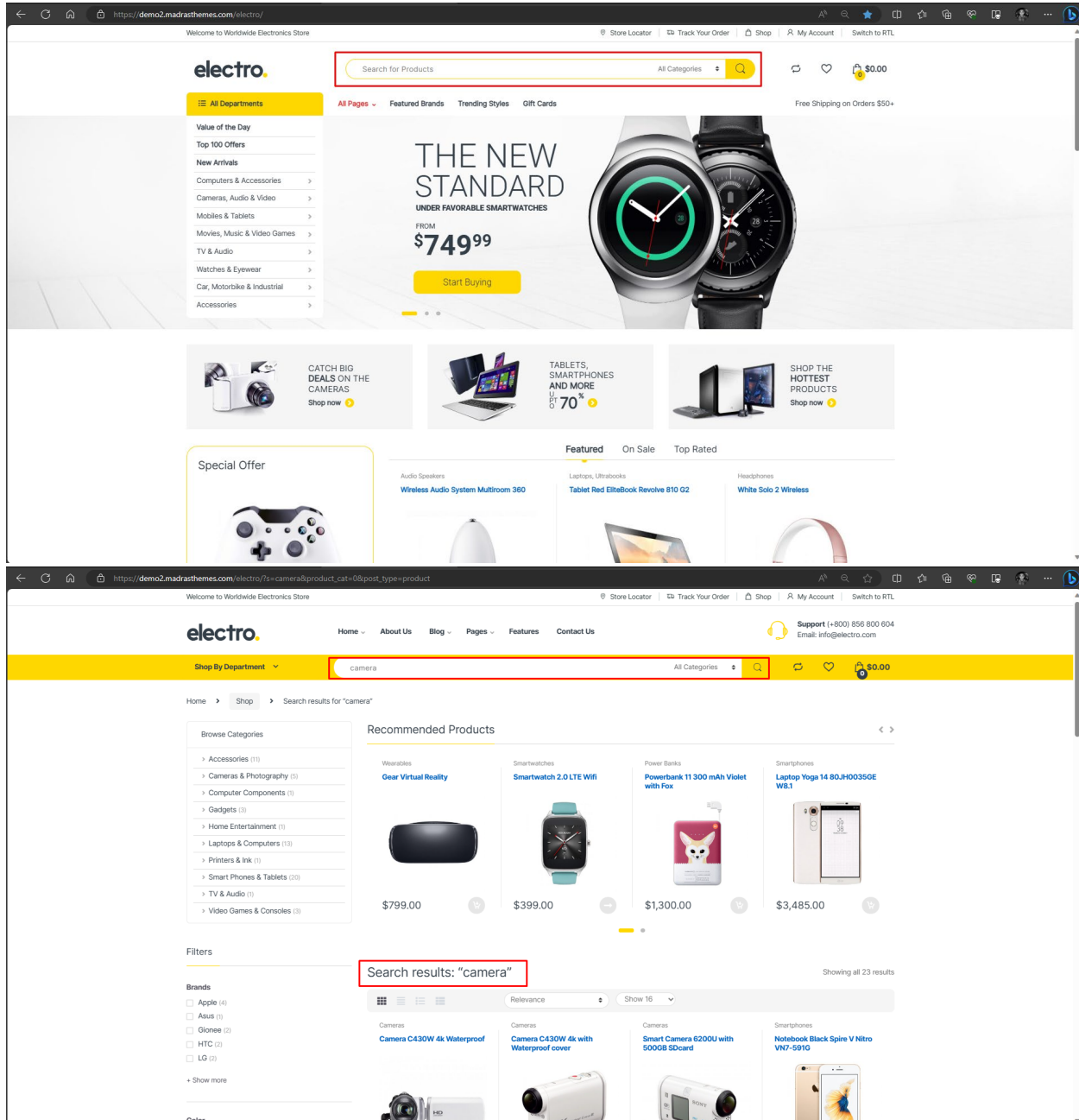**Successful messages must feature white text on a green background.**

The text entered by the user is inside the curly brackets '{}', e.g. {entered_text}.

3. Search Bar

The search functionality, including the ability to search by category, produces search results and intelligent recommendations, streamlining the search for desired products.

- The 'Search' field must be positioned on the top of the landing page.
- Elements must be aligned correctly both horizontally and vertically according to the design specifications.
- "Search for Products" placeholder is displayed on the left side of the 'Search' field.
- Categories dropdown list is displayed on the right side of the 'Search' field.

- 'Submit' button is displayed on the right side of the 'Search' field. The submit button is represented with a magnifier icon.
- Search categories are: "All Categories", "Accessories", "Home Entertainment", "Cameras & Photography", "Car Gadgets", "Computer Components", "Gadgets", "Laptops & Computers", "Printers & Ink", "Smart Phones & Tablets", "TV & Audio" and "Video Games & Consoles".
- The user must be able to search by typing in the search field.
- Search recommendations must be displayed while typing the query. The user is able to click on any search result and be redirected to the product page.
- "Unable to find any products that match the current query" message is displayed if the query does not match any result.
- By clicking on the Enter key or magnifier icon, the user must be redirected to the 'Search results' page.
- "No products were found matching your selection." message must be displayed if the query does not match any result. The messages must feature white text on a yellow background.
- The title of the search result must contain the query, e.g. Search results: "camera".

Automation tasks:

1. Login to Electro
   1.1 Navigate to Electro page
   1.2 Click on 'My Account'
   1.3 Enter pre-registered 'Email' and 'Password'
   1.4 Click on the 'Log In' button
   1.5 Verify that the user is logged in and on the 'My Account' page
   1.6 Close browser

2. Change Account Details
   2.1 Navigate to Electro page
   2.2 Login
   2.3 Go to 'Account details'
   2.4 Enter 'First name', 'Last name' and 'Display name'
   2.5 Click on Save changes
   2.6 Verify the "Account details changed successfully." message is displayed and user is redirected to the 'Dashboard page' in 'My Account'
   2.7 Close browser

3. Change Password
   3.1 Navigate to Electro page
   3.2 Login
   3.3 Go to 'Account Details'
   3.4 Enter 'Current password', 'New password' and 'Confirm new password'
   3.5 Click on Save changes
   3.6 Verify the "Account details changed successfully." message is displayed and user is redirected to the 'Dashboard page' in 'My Account'
   3.7 Log out and verify that the user can login with the new password
   3.8 Close browser

Milestones:

Mentorship 1 - Execution of Manual Testing for My Account (Registered user) and My Account (Logged in user).
Mentorship 2 - Execution of Manual Testing for Search Bar and all Automation Testing.

Scoring system

Testing process	Points
Manual Testing	**12**
Completeness: Does the project cover all aspects of manual testing, such as planning, execution, and reporting?	2
Accuracy: Are the test cases well-written and executed correctly? Do they identify all of the known defects in the web application?	2
Relevance: Are the test cases relevant to the specific web application being tested?	2
Efficacy: Do the test cases effectively identify defects in the web application?	2
Documentation: Is the project well-documented? Does it include a test plan, test cases, and test results?	2
Presentation and Creativity: Do the students show good presentation skills? Is the project presented clearly and within set time? Do the students demonstrate creativity in their approach to manual testing?	2
Automation testing	**8**
Use of Page Object Model	2
Code Structure (Organization, Naming conventions, Code duplication)	2
Tasks: *Task 1 - 1 point* (Listed action in the task are valued 0,5 point for completion, Assertions are valued 0.5 point if they provide sufficient coverage of the tests) *Task 2 - 1,5 points* (Listed action in the task are valued 1 point for completion, Assertions are valued 0.5 point if they provide sufficient coverage of the tests) *Task 3 - 1,5 points* (Listed action in the task are valued 1 point for completion, Assertions are valued 0.5 point if they provide sufficient coverage of the tests)	4
Total	**20**
Additional points - Creation of test plans	**5**
Max point awarded	**25 points**

Criteria	Excellent (2)	Good (1.5)	Fair (1)	Poor (0.5)
Completeness	All aspects of manual testing are thoroughly covered, including planning, execution, and reporting.	Most aspects of manual testing are covered, with minor gaps in planning, execution, or reporting.	Some aspects of manual testing are missing or incomplete.	Several aspects of manual testing are missing or incomplete.
Accuracy	Test cases are well-written and executed correctly, identifying all known defects in the web application.	Most test cases are well-written and executed correctly, identifying most known defects in the web application.	Some test cases are poorly written or executed, missing some known defects in the web application.	Many test cases are poorly written or executed, missing several known defects in the web application.
Relevance	Test cases are highly relevant to the specific web application being tested.	Most test cases are relevant to the specific web application being tested, with a few minor deviations.	Some test cases are irrelevant or not directly applicable to the specific web application being tested.	Many test cases are irrelevant or not directly applicable to the specific web application being tested.
Efficacy	Test cases effectively identify defects in the web application, providing comprehensive coverage.	Most test cases effectively identify defects in the web application, with some gaps in coverage.	Some test cases fail to effectively identify defects in the web application, with noticeable gaps in coverage.	Many test cases fail to effectively identify defects in the web application, with significant gaps in coverage.
Creativity	The students demonstrate exceptional creativity in their approach to manual testing.	The students demonstrate good creativity in their approach to manual testing.	The students demonstrate some level of creativity in their approach to manual testing.	The students demonstrate limited creativity in their approach to manual testing.
Documentation	The project is well-documented with well-written test cases, bug reports and improvements, with detailed test results.	The project is adequately documented with well-written test cases, bug reports and improvements, with clear test results.	The project is partially documented with partially well-written test cases, bug reports and improvements, with limited test results.	The project is poorly documented with poorly written test cases, and unclear test results.
Presentation	The students demonstrate excellent presentation skills, delivering the project clearly and within the set time limit.	The students demonstrate good presentation skills, delivering the project clearly and mostly within the set time limit.	The students demonstrate satisfactory presentation skills, delivering the project with some clarity and within the set time limit.	The students demonstrate weak presentation skills, with difficulties in delivering the project clearly and within the set time limit.

Handing over projects with identical or project with the same code

- If a code is noted that is significantly more than 60% the same or very similar to a code from another student (group of students), the project will be evaluated with 50% less than the maximum number of points;

- If a code is noted that is more than 90% identical to a code from another student (group of students), the project will be evaluated with 0 points.