

| No | Function/Test Scenario Name | Test Condition | Test Case | Test Case Description | Pre-Condition | Steps Description | Expected Result | Actual Result | Status |
|----|-----------------------------|----------------|--|--|--|---|--|--|--------|
| 1. | Login | Positive Test | Login with a valid email and valid password. | To ensure that user can login after input valid email and valid password. | User already registered and logged out | <ol style="list-style-type: none"> 1. Open SecondHand website 2. Navigate to the login page. 3. Input registered email. Email : studentqa@binar.id 4. Input registered password. Password : studentQA 5. Tap login button | User logged in and dashboard page shown | User logged in and dashboard page shown | PASS |
| | | | Login with a remembered email and password. | To ensure that the system correctly logs in a user using remembered email and password functionality | User has previously enabled the "Remember Me" option during a successful login. | <ol style="list-style-type: none"> 1. Open SecondHand website 2. Navigate to the login page. 3. Verify that the "Remember Me" checkbox is visible and enabled 4. Enter the email that was previously used to enable the "Remember Me" feature. 5. Enter the remembered password associated with the email. 6. Ensure the "Remember Me" checkbox remains checked. 7. Tap login button | User can logined in and redirected to dashboard screen. | User can logined in and redirected to dashboard screen. | PASS |
| | | | Login with different browsers (e.g., Chrome, Firefox, Edge). | To ensure that the login functionality works consistently across different web browsers | Browsers Chrome, Firefox, and Edge are installed and updated to their latest versions. | <ol style="list-style-type: none"> 1. Open SecondHand website in Chrome 2. Navigate to the login page. 3. Enter a valid email in the email field. 4. Enter a valid password in the password field. 5. Tap Login button 6. Repeat steps 1-4 for Firefox. 7. Repeat steps 1-4 for Edge. | The user is successfully logged in and redirected to the main dashboard. | The user is successfully logged in and redirected to the main dashboard. | PASS |
| | | | Successful login with special characters in the password. | Verify that a user can successfully log in using a password that contains special characters. | User has an active account with a password that includes special characters. | <ol style="list-style-type: none"> 1. Open SecondHand website 2. Navigate to the login page. 3. Enter a valid email in the email field. Email : jim@gmail.com 4. Enter a valid password that includes special characters in the password field. Password : kr!p!k 5. Tap the "Login" button. | User is successfully logged in and redirected to the dashboard/home page. | User is successfully logged in and redirected to the dashboard/home page. | PASS |
| | | | Case-sensitive Email Handling | Verify the email field handles case sensitivity correctly | User is on the login page | <ol style="list-style-type: none"> 1. Open SecondHand website. 2. Navigate to the login page. 3. Enter a valid email in a different case format (e.g., uppercase, lowercase) in the email field. 4. Enter a valid password in the password field. 5. Tap the login button. | User successfully logs in | User successfully logs in | PASS |
| | | | HTTPS Verification | To verify secure data transmission | System is configured with HTTPS | <ol style="list-style-type: none"> 1. Access the website through HTTPS. 2. Check the browser's address bar for the padlock icon and "https". | Padlock icon is displayed in the browser's address bar, and the URL starts with "https". | Padlock icon is displayed in the browser's address bar, and the URL starts with "https". | PASS |
| | | Negative Test | Login with a valid email and invalid password | To ensure the system rejects invalid passwords. | User is on the login page | <ol style="list-style-type: none"> 1. Open login page. 2. Enter valid email. 3. Enter invalid password. 4. Tap login button. | User receives an error message indicating invalid credentials. | User receives an error message indicating invalid credentials. | PASS |
| | | | Login with an invalid email and valid password | To ensure the system rejects invalid email. | User is on the login page | <ol style="list-style-type: none"> 1. Open login page. 2. Enter invalid email. 3. Enter valid password. 4. Tap login button. | User receives an error message indicating invalid credentials. | User receives an error message indicating invalid credentials. | PASS |
| | | | Login with an invalid email and invalid password | To ensure the system rejects invalid credentials. | User is on the login page | <ol style="list-style-type: none"> 1. Open login page. 2. Enter invalid email. 3. Enter invalid password. 4. Tap login button. | User receives an error message indicating invalid credentials. | User receives an error message indicating invalid credentials. | PASS |
| | | | Login with a blank email and valid password | To ensure the system requires a email. | User is on the login page | <ol style="list-style-type: none"> 1. Open login page. 2. Leave email field blank. 3. Enter valid password. 4. Tap login button. | User receives an error message indicating that email is required. | User receives an error message indicating that email is required. | PASS |

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| | | | Login with a blank email and invalid password | To ensure the system requires a email. | User is on the login page | 1. Open login page. 2. Leave email field blank. 3. Enter invalid password. 4. Tap login button. | User receives an error message indicating that email is required. | User receives an error message indicating that email is required. | PASS |
| | | | Login with a valid email and blank password | To ensure the system requires a password. | User is on the login page | 1. Open login page. 2. Enter valid email. 3. Leave password field blank. 4. Tap login button. | User receives an error message indicating that password is required. | User receives an error message indicating that password is required. | PASS |
| | | | Login with an invalid email and blank password | To ensure the system requires a password. | User is on the login page | 1. Open login page. 2. Enter invalid email. 3. Leave password field blank. 4. Tap login button. | User receives an error message indicating that password is required. | User receives an error message indicating that password is required. | PASS |
| | | | Login with blank email and blank password | To ensure the system requires both email and password. | User is on the login page | 1. Open login page. 2. Leave email and password fields blank. 3. Tap login button. | User receives an error message indicating that email and password are required. | User receives an error message indicating that email and password are required. | PASS |
| | | | Login with a valid email and an incorrect case-sensitive password | To ensure the system is case-sensitive for passwords. | User is on the login page | 1. Open login page. 2. Enter valid email. 3. Enter incorrect case-sensitive password. 4. Tap login button. | User receives an error message indicating invalid credentials. | User receives an error message indicating invalid credentials. | PASS |
| | | | Password Field with Less Characters | Test login with a password shorter than the required minimum length. | User is on the login screen. | 1. Enter a valid email in the "Email" field. 2. Enter a password that is shorter than the required length (e.g., 3 characters). 3. Tap the "Login" button. | The system displays an error message indicating that the password is too short, and the user cannot proceed. | | |
| 2. | Registration | Postive Test | Sign-Up with Valid Input | Test the sign-up feature with valid data to ensure successful registration. | websitelication is active and no users are logged in. | 1. Navigate to the sign-up page. 2. Input valid data: - Name: "Romeo" - Email: "romeo@gamil.com" - Password: "sawimentah" 3. Tap "Sign Up" button. | - Registration is successfully processed. - User is redirected to the confirmation page or main page. | - Registration is successfully processed. - User is redirected to the confirmation page or main page. | PASS |
| | | | Already Registered Email | Test the sign-up feature with an email that is already registered to ensure the system provides an websiteropriate error message. | websitelication is active and no users are logged in. The email being tested is already registered in the system. | 1. Navigate to the sign-up page. 2. Input valid data with an already registered email: - Name: "Gustav" - Email: "romeo@gmail.com" - Password: "blabla" 3. Tap "Sign Up" button. | - Registration is rejected. - Error message is displayed indicating the email is already in use (e.g., "Email already registered"). | - Registration is rejected. - Error message is displayed indicating the email is already in use (e.g., "Email already registered"). | PASS |
| | | Negative Test | Empty Fields | Verify behavior when submitting with empty fields | Registration form is available | 1. Leave all fields (name, email, password, confirm password) empty. 2. Tap the "Register" button. | Registration fails. System displays an error message indicating that all fields are required. | Registration fails. System displays an error message indicating that all fields are required. | PASS |
| | | | Empty Name Field | Verify behavior when the name field is empty | Registration form is accessible | 1. Leave the name field empty. 2. Enter valid email and password. 3. Tap the "Register" button. | Registration fails. System displays an error message indicating that the name field is required. | Registration fails. System displays an error message indicating that the name field is required. | PASS |

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| | | | Empty Email Field | Verify behavior when the email field is empty | Registration form is accessible | 1. Leave the email field empty. 2. Enter valid name and password. 3. Tap the "Register" button. | Registration fails. System displays an error message indicating that the email field is required. | Registration fails. System displays an error message indicating that the email field is required. | PASS |
| | | | Empty Password Field | Verify behavior when the password field is empty | Registration form is accessible | 1. Leave the password field empty. 2. Enter valid name and email. 3. Tap the "Register" button. | Registration fails. System displays an error message indicating that the password field is required. | Registration fails. System displays an error message indicating that the password field is required. | PASS |
| | | | Name with Special Characters | Verify behavior when the name field contains special characters | Registration form is accessible | 1. Enter a name with special characters (e.g., !@#%&^*~). 2. Enter valid email and password. 3. Tap the "Register" button. | Registration fails or system restricts special characters. System displays an error message indicating invalid characters in the name field. | Registration successfully processed. System do not displays an error message indicating invalid characters in the name field. | FAILED |
| | | | Name Exceeds Character Limit | Verify behavior when the name exceeds the character limit | Registration form is accessible | 1. Enter a name that exceeds the maximum allowed characters. 2. Enter valid email and password. 3. Tap the "Register" button. | Registration fails. System displays an error message indicating that the name exceeds the character limit. | Registration successfully processed. System do not displays an error message indicating that the name exceeds the character limit. | FAILED |
| | | | Invalid Email Format | Validate email format and response for invalid emails | Registration form is available | 1. Enter a name and password. 2. Enter an invalid email address. 3. Tap the "Register" button. | Registration fails. System displays an error message indicating an invalid email format. | Registration fails. System displays an error message indicating an invalid email format. | PASS |
| | | | Multiple "@" Symbols | Verify handling of emails with multiple "@" symbols | Registration form is available | 1. Enter a name and password. 2. Enter an email address with multiple "@" symbols (e.g., "user@domain@domain.com"). 3. Tap the "Register" button. | Registration fails. System displays an error message indicating an invalid email format. | Registration fails. System displays an error message indicating an invalid email format. | PASS |
| | | | Excessively Long Email | Verify handling of excessively long email addresses | Registration form is available | 1. Enter a name and password.. 2. Enter an email address exceeding the character limit (e.g., a very long string followed by "@domain.com"). 3. Tap the "Register" button. | Registration fails. System displays an error message indicating the email address exceeds the character limit. | Registration successfully processed. System do not displays an error message indicating the email address exceeds the character limit. | FAILED |
| | | | Weak Passwords | Verify detection of commonly used or weak passwords | Registration form is available | 1. Enter a name, email address. 2. Enter a commonly used password (e.g. "1"). 3. Tap the "Register" button. | Registration fails. System displays an error message indicating the password is weak or commonly used. | Registration successfully processed. System do not displays an error message indicating the password is weak or commonly used. | FAILED |
| | | | Password Exceeds Character Limit | Verify behavior when the password exceeds the character limit | Registration form is accessible | 1. Enter a name and valid email. 2. Enter a password that exceeds the maximum allowed characters. 3. Tap the "Register" button. | Registration fails. System displays an error message indicating that the password exceeds the character limit. | Registration successfully processed. System do not displays an error message indicating that the password exceeds the character limit. | FAILED |

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| 3. | Search | Positive Test | Valid Search Term | Verify relevant results for a valid search term | Search bar is accessible | 1. Enter the search term "kipas angin" in the search bar. 2. Tap the search button. | A list of kipas angin products is displayed as search results. | A list of kipas angin products is displayed as search results. | PASS |
| | | | Multiple Search Terms | Verify handling of multiple search terms | Search bar is accessible | 1. Enter the search term "gunting kertas" in the search bar. 2. Tap the search button. | A list of gunting kertas is displayed as search results. | A list of gunting kertas is displayed as search results. | PASS |
| | | | Case-Insensitive Search | Verify case-insensitivity of search function | Search bar is accessible | 1. Enter the search term "kipas angin" in the search bar. 2. Tap the search button. 3. Enter the search term "KIPAS ANGIN" in the search bar. 4. Tap the search button. | Both searches return the same set of results. | Both searches return the same set of results. | PASS |
| | | | Exact Match Prioritization | Verify prioritization of exact matches | Search bar is accessible | 1. Enter the search term "coba malfy 81" in the search bar. 2. Tap the search button. | The product "coba malfy 81" is displayed as the top search result. | The product "coba malfy 81" is displayed as the top search result. | PASS |
| | | | Pagination for Large Result Sets | Verify pagination for large search results | Search bar is accessible | 1. Enter the search term "a" in the search bar. 2. Tap the search button. | A list of a is displayed with pagination options (e.g., next/previous buttons). | A list of a is displayed with pagination options (e.g., next/previous buttons). | PASS |
| | | | Special Characters in Search Term | Verify handling of search terms with special characters | Search bar is accessible | 1. Enter a search term containing special characters. | Search results are displayed without errors or unexpected behavior. | Search results are displayed without errors or unexpected behavior. | PASS |
| | | Negative Test | Empty Search Term | Verify behavior when submitting an empty search term | Search bar is accessible | 1. Leave the search field empty. 2. Tap the search button. | System displays an error message indicating that a search term is required. | System not displays an error message indicating that a search term is required. | FAILED |
| | | | Non-existent Search Term | Verify handling of non-existent search terms | Search bar is accessible | 1. Enter a search term for a product that does not exist in the inventory. 2. Tap the search button. | System displays a message indicating no results found or item not found. | System not displays a message indicating no results found or an invalid search term. | FAILED |
| | | | Search for Extremely Long Search Term | Verify handling of excessively long search terms | Search bar is accessible | 1. Enter an extremely long search term (exceeding character limit). 2. Tap the search button. | System displays an error message indicating search term is too long or truncates the search term. | System not displays an error message indicating search term is too long or truncates the search term. | FAILED |
| | | | Search for Multiple Keywords with No Spaces | Verify handling of search terms without spaces | Search bar is accessible | 1. Enter multiple keywords without spaces (e.g., "kipasangin"). 2. Tap the search button. | The system is capable of processing search queries with spaces, effectively recognizing and handling multiple words as separate search terms. | The system is capable of processing search queries with spaces, effectively recognizing and handling multiple words as separate search terms. | PASS |
| | | | Search for Incorrectly Spelled Words | Verify handling of misspelled search terms | Search bar is accessible | 1. Enter a misspelled search term (e.g., "iphnoe"). 2. Tap the search button. | System displays relevant search results based on similar or corrected terms, or displays a message indicating no results found. | System not displays relevant search results based on similar or corrected terms, or displays a message indicating no results found. | FAILED |

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| 4. | Add Product | Positive Test | Add a new product with all required fields filled | To ensure that a new product can be added with complete information | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Fill in all required fields: product name, price, category, description, and upload a product image. 3. Tap "Terbitkan" | The new product is successfully added to the seller's inventory and can be viewed on the product list. | The new product is successfully added to the seller's inventory and can be viewed on the product list. | PASS |
| | | | Add Product with a Name Containing Special Characters | Verify that a product can be added with a name that includes special characters. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details with a name containing special characters: - Product Name: "GadgetX!@#2024" - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Name Containing Spaces | Verify that a product can be added with a name that contains spaces. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details with a name containing spaces: - Product Name: "Premium Gadget 2024" - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Name Containing Numbers | Verify that a product can be added with a name that includes numbers. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details with a name containing numbers: - Product Name: "Gadget123" - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." - Category: "Gadgets" 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Name Containing Mixed Case | Verify that a product can be added with a name that contains mixed case letters (upper and lower case). | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details with a name containing mixed case letters: - Product Name: "GadgetX2024" - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Valid Price | Verify that a product can be added with a valid price. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details with a valid price: - Product Name: "GadgetX" - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Zero Price | Verify that a product can be added with a price of zero. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details with a price of zero: - Product Name: "Free Gadget" - Price: "0" - Category: Elektronik - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Valid Category Selection | Verify that a product can be added by selecting a valid category from the dropdown. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details: - Product Name: "Free Gadget" - Price: "1234848488" - Category: Elektronik - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |

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| | | | Add Product with Valid Description | Verify that a product can be added with a valid description. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details with a valid description: - Product Name: "Smart Gadget" - Price: "1234848488" - Category: Elektronik - Description: "A high-quality gadget with advanced features." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Description Containing Special Characters | Verify that a product can be added with a description that includes special characters. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details with a description containing special characters: - Product Name: "Special Character Gadget" - Price: "1234848488" - Category: Elektronik - Description: "A gadget with special characters like @, #, and &." 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Upload Image with Supported Format | Verify that an image can be successfully uploaded when it is in a supported format (e.g., JPEG, PNG). | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Tap the "Upload Image" button. 3. Select an image file in JPEG format. 4. Tap "Terbitkan" button. | The image is successfully uploaded, and a thumbnail or preview is displayed. | The image is successfully uploaded, and a thumbnail or preview is displayed. | PASS |
| | | | Upload Image with Maximum Allowed Size | Verify that an image of the maximum allowed size can be uploaded. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Tap the "Upload Image" button. 3. Select an image file at the maximum allowed size. 4. Tap "Terbitkan" button. | The image is successfully uploaded, and a thumbnail or preview is displayed. | The image is successfully uploaded, and a thumbnail or preview is displayed. | PASS |
| | | | Upload Multiple Images | Verify that multiple images can be uploaded for a single product if the feature is supported. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Tap the "Upload Images" button. 3. Select multiple image files. 4. Tap "Terbitkan" button. | All selected images are uploaded successfully, and thumbnails or previews are displayed. | All selected images are uploaded successfully, and thumbnails or previews are displayed. | PASS |
| | | Negative Test | Empty Fields | Verify behavior when submitting with empty fields | Seller is logged in and on the product addition page. | 1. Leave all fields (Nama Produk, Harga Produk, Kategori, Deskripsi, Upload gambar) empty. 2. Tap the "Register" button. | The product is not added, and an error message is displayed indicating that the product name is required. | The product is not added, and an error message is displayed indicating that the product name is required. | PASS |
| | | | Add Product with an Empty Name | Verify that the system prevents adding a product with an empty name. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details but leave the product name empty: - Product Name: - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name is required. | The product is not added, and an error message is displayed indicating that the product name is required. | PASS |
| | | | Add Product with a Name Exceeding Maximum Length | Verify that the system prevents adding a product with a name that exceeds the maximum allowed length. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details but use a name that is longer than the allowed length - Product Name: a*100 - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name exceeds the allowed length. | The product is added, and error message is not displayed indicating that the product name exceeds the allowed length. | FAILED |
| | | | Add Product with a Duplicate Name | Verify that the system prevents adding a product with a name that already exists. | Seller is logged in and on the product addition page. A product with the same name already exists. | 1. Tap on "Jual" button. 2. Input valid product details but use a name that already exists: - Product Name: "GadgetX2024" - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name already exists. | The product is not added, and an error message is displayed indicating that the product name already exists. | FAILED |

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| | | | Add Product with Name Containing Only Special Characters | Verify that the system prevents adding a product with a name that contains only special characters. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details but use a name that contains only special characters: - Product Name: "!@#%&*" - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name is invalid. | The product is added, and error message is not displayed indicating that the product name is invalid. | FAILED |
| | | | Add Product with a Blank Name Containing Only Spaces | Verify that the system prevents adding a product with a name that contains only spaces. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" button. 2. Input valid product details but use a name that contains only spaces: - Product Name: " " - Price: "1000000" - Category: "Elektronik" - Description: "A special gadget with special characters in its name." - Category: "Electronics" | The product is not added, and an error message is displayed indicating that the product name is invalid. | The product is not added, and an error message is displayed indicating that the product name is invalid. | PASS |
| | | | Add Product with Negative Price | Verify that the system prevents adding a product with a negative price. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details but use a negative price: - Product Name: "Free Gadget" - Price: "-109000" - Category: Elektronik - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price cannot be negative. | The product is added, and error message is not displayed indicating that the product name is invalid. | FAILED |
| | | | Add Product with Price Exceeding Maximum Allowed Limit | Verify that the system prevents adding a product with a price that exceeds the maximum allowed limit. | Seller is logged in and on the product addition page. The maximum allowed price is defined (e.g., 99999...). | 1. Tap on "Jual" Button. 2. Input valid product details but use a price exceeding the maximum allowed limit: - Product Name: "Free Gadget" - Price: "99999999999..." - Category: Elektronik - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price exceeds the maximum allowed limit. | The product is added, and error message is not displayed indicating that the product name is invalid. | FAILED |
| | | | Add Product with Non-Numeric Price | Verify that the system prevents adding a product with a non-numeric price. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details but use a non-numeric price: - Product Name: "Free Gadget" - Price: "abcdg" - Category: Elektronik - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price must be numeric. | The product is not added, and an error message is displayed indicating that the price must be numeric. | PASS |
| | | | Add Product with Empty Price Field | Verify that the system prevents adding a product when the price field is empty. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details but leave the price field empty: - Product Name: "Free Gadget" - Price: "0.00" - Category: Elektronik - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price is required. | The product is not added, and an error message is displayed indicating that the price is required. | PASS |
| | | | Add Product with Price Containing Special Characters | Verify that the system prevents adding a product with a price that contains special characters. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details but use a price with special characters: - Product Name: "Free Gadget" - Price: "89776689#\$" - Category: Elektronik - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price is invalid. | The product is not added, and an error message is displayed indicating that the price is invalid. | PASS |
| | | | Add Product without Selecting a Category | Verify that the system prevents adding a product when no category is selected. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details but leave the category unselected: - Product Name: "Free Gadget" - Price: "89776689" - Category: - Description: "A gadget that is free." 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the category is required. | The product is not added, and an error message is displayed indicating that the category is required. | PASS |

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| | | | Add Product with Empty Description | Verify that the system prevents adding a product when the description field is empty. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details but leave the description field empty: - Product Name: "Empty Description Gadget" - Price: "1234848488" - Category: "Electronics" - Description: "" 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the description is required. | The product is not added, and an error message is displayed indicating that the description is required. | PASS |
| | | | Add Product with Description Containing Only Spaces | Verify that the system prevents adding a product when the description field contains only spaces. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Input valid product details but with a description containing only spaces: - Product Name: "Spaces Description Gadget" - Price: "1234848488" - Category: "Electronics" - Description: " " 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the description cannot be only spaces. | The product is not added, and an error message is displayed indicating that the description cannot be only spaces. | PASS |
| | | | Upload Image with Unsupported Format | Verify that the system prevents uploading an image in an unsupported format (e.g., GIF). | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Tap the "Upload Image" button. 3. Select an image file in GIF format. 4. Tap "Terbitkan" button. | The image is not uploaded, and an error message is displayed indicating that the format is unsupported. | The image is not uploaded, and an error message is displayed indicating that the format is unsupported. | PASS |
| | | | Upload Image Exceeding Maximum Size | Verify that the system prevents uploading an image that exceeds the maximum allowed size. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Tap the "Upload Image" button. 3. Select an image file exceeding the maximum size. 4. Tap "Terbitkan" button. | The image is not uploaded, and an error message is displayed indicating that the file size is too large. | The image is not uploaded, and an error message is displayed indicating that the format is unsupported. | PASS |
| | | | Upload Image with No File Selected | Verify that the system handles the case where no file is selected for upload. | Seller is logged in and on the product addition page. | 1. Tap on "Jual" Button. 2. Tap the "Upload Image" button. 3. Do not select any image file. 4. Tap "Terbitkan" button. | The system should prompt the user to select a file or indicate that no file was selected. | The product is added. | FAILED |
| 5. | Edit Product | Positive Test | Add a new product with all required fields filled | To ensure that a new product can be added with complete information | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Fill in all required fields: product name, price, category, description, and upload a product image. 3. Tap "Terbitkan" | The new product is successfully added to the seller's inventory and can be viewed on the product list. | The new product is successfully added to the seller's inventory and can be viewed on the product list. | PASS |
| | | | Add Product with a Name Containing Special Characters | Verify that a product can be added with a name that includes special characters. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details with a name containing special characters: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Name Containing Spaces | Verify that a product can be added with a name that contains spaces. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details with a name containing spaces: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Name Containing Numbers | Verify that a product can be added with a name that includes numbers. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details with a name containing numbers: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Name Containing Mixed Case | Verify that a product can be added with a name that contains mixed case letters (upper and lower case). | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details with a name containing mixed case letters: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |

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| | | | Add Product with Valid Price | Verify that a product can be added with a valid price. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details with a valid price: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Zero Price | Verify that a product can be added with a price of zero. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details with a price of zero: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Valid Category Selection | Verify that a product can be added by selecting a valid category from the dropdown. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Valid Description | Verify that a product can be added with a valid description. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details with a valid description: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Add Product with Description Containing Special Characters | Verify that a product can be added with a description that includes special characters. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details with a description containing special characters: 3. Tap "Terbitkan" button. | The product is successfully added, and a success message is displayed. | The product is successfully added, and a success message is displayed. | PASS |
| | | | Upload Image with Supported Format | Verify that an image can be successfully uploaded when it is in a supported format (e.g., JPEG, PNG). | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Tap the "Upload Image" button. 3. Select an image file in JPEG format. 4. Tap "Terbitkan" button. | The image is successfully uploaded, and a thumbnail or preview is displayed. | The image is successfully uploaded, and a thumbnail or preview is displayed. | PASS |
| | | | Upload Image with Maximum Allowed Size | Verify that an image of the maximum allowed size can be uploaded. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Tap the "Upload Image" button. 3. Select an image file at the maximum allowed size. 4. Tap "Terbitkan" button. | The image is successfully uploaded, and a thumbnail or preview is displayed. | The image is successfully uploaded, and a thumbnail or preview is displayed. | PASS |
| | | | Upload Multiple Images | Verify that multiple images can be uploaded for a single product if the feature is supported. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Tap the "Upload Images" button. 3. Select multiple image files. 4. Tap "Terbitkan" button. | All selected images are uploaded successfully, and thumbnails or previews are displayed. | All selected images are uploaded successfully, and thumbnails or previews are displayed. | PASS |
| | | Negative Test | Empty Fields | Verify behavior when submitting with empty fields | User is logged into the system. and The product to be edited already exists in the database. | 1. Leave all fields (Nama Produk, Harga Produk, Kategori, Deskripsi, Upload gambar) empty. 2. Tap the "Register" button. | The product is not added, and an error message is displayed indicating that the product name is required. | The product is not added, and an error message is displayed indicating that the product name is required. | PASS |
| | | | Add Product with an Empty Name | Verify that the system prevents adding a product with an empty name. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details but leave the product name empty: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name is required. | The product is not added, and an error message is displayed indicating that the product name is required. | PASS |

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| | | | Add Product with a Name Exceeding Maximum Length | Verify that the system prevents adding a product with a name that exceeds the maximum allowed length. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details but use a name that is longer than the allowed length 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name exceeds the allowed length. | The product is added, and error message is not displayed indicating that the product name exceeds the allowed length. | FAILED |
| | | | Add Product with a Duplicate Name | Verify that the system prevents adding a product with a name that already exists. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details but use a name that already exists: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name already exists. | The product is not added, and an error message is displayed indicating that the product name already exists. | FAILED |
| | | | Add Product with Name Containing Only Special Characters | Verify that the system prevents adding a product with a name that contains only special characters. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Jual" button. 2. Input valid product details but use a name that contains only special characters: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the product name is invalid. | The product is added, and error message is not displayed indicating that the product name is invalid. | FAILED |
| | | | Add Product with a Blank Name Containing Only Spaces | Verify that the system prevents adding a product with a name that contains only spaces. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" button. 2. Input valid product details but use a name that contains only spaces: - Category: "Electronics | The product is not added, and an error message is displayed indicating that the product name is invalid. | The product is not added, and an error message is displayed indicating that the product name is invalid. | PASS |
| | | | Add Product with Negative Price | Verify that the system prevents adding a product with a negative price. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but use a negative price: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price cannot be negative. | The product is added, and error message is not displayed indicating that the product name is invalid. | FAILED |
| | | | Add Product with Price Exceeding Maximum Allowed Limit | Verify that the system prevents adding a product with a price that exceeds the maximum allowed limit. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but use a price exceeding the maximum allowed limit: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price exceeds the maximum allowed limit. | The product is added, and error message is not displayed indicating that the product name is invalid. | FAILED |
| | | | Add Product with Non-Numeric Price | Verify that the system prevents adding a product with a non-numeric price. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but use a non-numeric price: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price must be numeric. | The product is not added, and an error message is displayed indicating that the price must be numeric. | PASS |
| | | | Add Product with Empty Price Field | Verify that the system prevents adding a product when the price field is empty. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but leave the price field empty: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price is required. | The product is not added, and an error message is displayed indicating that the price is required. | PASS |
| | | | Add Product with Price Containing Special Characters | Verify that the system prevents adding a product with a price that contains special characters. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but use a price with special characters: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the price is invalid. | The product is not added, and an error message is displayed indicating that the price is invalid. | PASS |

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| | | | Add Product without Selecting a Category | Verify that the system prevents adding a product when no category is selected. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but leave the category unselected: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the category is required. | The product is not added, and an error message is displayed indicating that the category is required. | PASS |
| | | | Add Product with Empty Description | Verify that the system prevents adding a product when the description field is empty. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but leave the description field empty: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the description is required. | The product is not added, and an error message is displayed indicating that the description is required. | PASS |
| | | | Add Product with Description Containing Only Spaces | Verify that the system prevents adding a product when the description field contains only spaces. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Input valid product details but with a description containing only spaces: 3. Tap "Terbitkan" button. | The product is not added, and an error message is displayed indicating that the description cannot be only spaces. | The product is not added, and an error message is displayed indicating that the description cannot be only spaces. | PASS |
| | | | Upload Image with Unsupported Format | Verify that the system prevents uploading an image in an unsupported format (e.g., GIF). | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Tap the "Upload Image" button. 3. Select an image file in GIF format. 4. Tap "Terbitkan" button. | The image is not uploaded, and an error message is displayed indicating that the format is unsupported. | The image is not uploaded, and an error message is displayed indicating that the format is unsupported. | PASS |
| | | | Upload Image Exceeding Maximum Size | Verify that the system prevents uploading an image that exceeds the maximum allowed size. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Tap the "Upload Image" button. 3. Select an image file exceeding the maximum size. 4. Tap "Terbitkan" button. | The image is not uploaded, and an error message is displayed indicating that the file size is too large. | The image is not uploaded, and error message is displayed indicating that the format is unsupported. | PASS |
| | | | Upload Image with No File Selected | Verify that the system handles the case where no file is selected for upload. | User is logged into the system. and The product to be edited already exists in the database. | 1. Tap on "Edit" Button. 2. Tap the "Upload Image" button. 3. Do not select any image file. 4. Tap "Terbitkan" button. | The system should prompt the user to select a file or indicate that no file was selected. | The product is added. | FAILED |
| 6. | Profile | Positive | Valid Input for All Fields | Test valid input for Name, City, Address, and Phone Number fields. | User is logged in and on the profile page. | 1. Enter a valid name in the Name field. 2. Enter a valid city in the City field. 3. Enter a valid address in the Address field. 4. Enter a valid phone number in the Phone Number field. 5. Tap the Save button. | All fields should be updated successfully with the entered values and a confirmation message should be displayed. | All fields should be updated successfully with the entered values and a confirmation message should be displayed. | PASS |
| | | | Name Field Validation | Test valid name input. | User is logged in and on the profile page. | 1. Enter a valid name in the Name field. 2. Tap the Save button. | The name field should accept the input and save the valid name. | The name field should accept the input and save the valid name. | PASS |
| | | | City Field Validation | Test valid city input. | User is logged in and on the profile page. | 1. Enter a valid city in the City field. 2. Tap the Save button. | The city field should accept the input and save the valid city. | The city field should accept the input and save the valid city. | PASS |
| | | | Address Field Validation | Test valid address input. | User is logged in and on the profile page. | 1. Enter a valid address in the Address field. 2. Tap the Save button. | The address field should accept the input and save the valid address. | The address field should accept the input and save the valid address. | PASS |

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| | | | Phone Number Field Validation | Test valid phone number input. | User is logged in and on the profile page. | 1. Enter a valid phone number in the Phone Number field. 2. Tap the Save button. | The phone number field should accept the input and save the valid phone number. | The phone number field should accept the input and save the valid phone number. | PASS |
| | | Negative | Name Field with Invalid Input | Test Name field with various invalid inputs. | User is logged in and on the profile page. | 1. Enter an invalid name with special characters (e.g., @#\$\$%). 2. Tap the Save button. 3. Enter an excessively long name (e.g., 256 characters). 4. Tap the Save button. | The system should display error messages indicating invalid input, name length issues, and that the name cannot be just spaces. | The system do not display error messages indicating invalid input and name length issues | FAILED |
| | | | Empty Name Field | Test submission with the Name field left empty while other fields are filled. | User is logged in and on the profile page. | 1. Leave the Name field empty. 2. Enter valid data in City, Address, and Phone Number fields. 3. Tap the Save button. | The system should display an error message indicating that the Name field cannot be empty. | The system display an error message indicating that the Name field cannot be empty. | PASS |
| | | | Empty City Field | Test submission with the City field left empty while other fields are filled. | User is logged in and on the profile page. | 1. Leave the City field empty. 2. Enter valid data in Name, Address, and Phone Number fields. 3. Tap the Save button. | The system should display an error message indicating that the City field cannot be empty. | The system display an error message indicating that the City field cannot be empty. | PASS |
| | | | Address Field with Invalid Input | Test Address field with various invalid inputs. | User is logged in and on the profile page. | 1. Enter an excessively long address (e.g., 256 characters). 2. Tap the Save button. 3. Enter an invalid address format (e.g., "Street Name"). 4. Tap the Save button. 5. Enter an address missing required parts (e.g., just "123"). 6. Tap the Save button. | The system should display error messages indicating address length issues, format issues, and incomplete address. | The system did not display error messages indicating address length issues, format issues, and incomplete address. | FAILED |
| | | | Empty Address Field | Test submission with the Address field left empty while other fields are filled. | User is logged in and on the profile page. | 1. Leave the Address field empty. 2. Enter valid data in Name, City, and Phone Number fields. 3. Tap the Save button. | The system should display an error message indicating that the Address field cannot be empty. | The system display an error message indicating that the Address field cannot be empty. | PASS |
| | | | Phone Number with Fewer Digits | Test Phone Number field with fewer than 10 digits. | User is logged in and on the profile page. | 1. Enter a phone number with fewer than 10 digits (e.g., "0812345"). 2. Tap the Save button. | The system should display an error message indicating that the phone number length is incorrect. | The system do not display an error message indicating that the phone number length is incorrect. | FAILED |
| | | | Phone Number with More Digits | Test Phone Number field with more than 13 digits. | User is logged in and on the profile page. | 1. Enter a phone number with more than 13 digits (e.g., "081234567890123"). 2. Tap the Save button. | The system should display an error message indicating that the phone number length is incorrect. | The system do not display an error message indicating that the phone number length is incorrect. | FAILED |
| | | | Phone Number with Invalid Characters | Test Phone Number field with invalid characters. | User is logged in and on the profile page. | 1. Enter a phone number with invalid characters (e.g., "0812ABCD5678"). 2. Tap the Save button. | The system should display an error message indicating invalid characters in the Phone Number field. | The system do not display an error message indicating invalid characters in the Phone Number field. | FAILED |

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| | | | Phone Number with Incorrect Country Code | Test Phone Number field with an incorrect or unsupported country code. | User is logged in and on the profile page. | 1. Enter a phone number with an incorrect or unsupported country code (e.g., "+99981234567890"). 2. Tap the Save button. | The system should display an error message indicating an incorrect or unsupported country code. | The system do not display an error message indicating an incorrect or unsupported country code. | FAILED |
| | | | Phone Number with Leading Zeros | Test Phone Number field with leading zeros. | User is logged in and on the profile page. | 1. Enter a phone number with leading zeros (e.g., "0008123456789"). 2. Tap the Save button. | The system should display an error message indicating that leading zeros are not allowed. | The system do not display an error message indicating that leading zeros are not allowed. | FAILED |
| | | | Phone Number with Special Characters | Test Phone Number field with special characters. | User is logged in and on the profile page. | 1. Enter a phone number with special characters (e.g., "0812-345-6789"). 2. Tap the Save button. | The system should display an error message indicating invalid characters in the Phone Number field. | The system do not display an error message indicating invalid characters in the Phone Number field. | FAILED |
| | | | Phone Number with Mixed Non-Numeric Characters | Test Phone Number field with a mix of numbers and non-numeric characters. | User is logged in and on the profile page. | 1. Enter a phone number with a mix of numbers and non-numeric characters (e.g., "0812-ABC-5678"). 2. Tap the Save button. | The system should display an error message indicating invalid characters in the Phone Number field. | The system do not display an error message indicating invalid characters in the Phone Number field. | FAILED |
| | | | Empty Phone Number Field | Test submission with the Phone Number field left empty while other fields are filled. | User is logged in and on the profile page. | 1. Leave the Phone Number field empty. 2. Enter valid data in Name, City, and Address fields. 3. Tap the Save button. | The system should display an error message indicating that the Phone Number field cannot be empty. | The system display an error message indicating that the Phone Number field cannot be empty. | PASS |
| | | | All Fields Empty | Test submission with all fields left empty. | User is logged in and on the profile page. | 1. Leave all fields (Name, City, Address, Phone Number) empty. 2. Tap the Save button. | The system should display error messages for all fields indicating they cannot be left empty. | The system display error messages for all fields indicating they cannot be left empty. | PASS |