**Product Backlog**

**User Story 1**

**Content**: As a user, I want to create an account using my email address and a password so that I can log in and make purchases.

**Acceptance Criteria**:

* The registration form must include mandatory fields: email address and password.
* The email must be validated to conform to standard email formatting.
* Passwords must be at least 8 characters long and include both alphanumeric and special characters.
* Users must receive a confirmation email with a link to verify their account.
* Users must verify their email by clicking the link in the confirmation email to activate their account.
* Upon successful registration, users should be able to log in using their email and password.

**User Story 2**

**Content**: As a user, I want to log in and log out of my account so that I can access my personal information and make purchases.

**Acceptance Criteria**:

* Users must be able to log in using their registered email and password.
* Users must be able to log out from any page on the website.
* The system should display appropriate error messages for incorrect login credentials.
* Users should remain logged in across different pages until they log out or close the browser.

**User Story 3**

**Content**: As a user, I want to recover my password if I forget it so that I can regain access to my account.

**Acceptance Criteria**:

* Users must be able to request a password reset by entering their registered email address.
* Users must receive an email with a link to reset their password.
* The password reset link must expire after a certain period (e.g., 24 hours).
* Users must be able to set a new password that meets the password requirements.

**User Story 4**

**Content**: As a user, I want to browse a list of products with details such as name, description, price, and image so that I can find items to purchase.

**Acceptance Criteria**:

* The product catalogue must display a list of products with their name, description, price, and image.
* Users must be able to search for products by name or category.
* Products must be categorised for easy navigation.

**User Story 5**

**Content**: As a user, I want to view detailed information about a product so that I can make an informed purchasing decision.

**Acceptance Criteria**:

* Users must be able to view multiple images of a product.
* Users must be able to see a detailed description, price, and availability of the product.
* The product detail page must include an "Add to Cart" button.

**User Story 6**

**Content**: As a user, I want to add products to a shopping cart so that I can purchase multiple items at once.

**Acceptance Criteria**:

* Users must be able to add products to the shopping cart from the product detail page.
* The shopping cart must display the name, price, and quantity of each item.
* Users must be able to update the quantity of items in their cart.
* Users must be able to remove items from their cart.

**User Story 7**

**Content**: As a user, I want to proceed to checkout from the shopping cart so that I can complete my purchase.

**Acceptance Criteria**:

* Users must be able to proceed to checkout from the shopping cart page.
* Users must be able to enter shipping information.
* Users must be able to select a payment method (e.g., credit card, PayPal).
* Users must receive an order confirmation email after completing a purchase.

**User Story 8**

**Content**: As a user, I want to view my order history so that I can keep track of my past purchases.

**Acceptance Criteria**:

* Users must be able to view a list of their past orders.
* Each order must display the order number, date, total amount, and status.
* Users must be able to view the details of each order.

**User Story 9**

**Content**: As an admin, I want to add, update, and delete products so that I can manage the product catalogue.

**Acceptance Criteria**:

* Admins must be able to add new products with details such as name, description, price, and images.
* Admins must be able to update existing product details.
* Admins must be able to delete products from the catalogue.

**User Story 10**

**Content**: As an admin, I want to view and manage orders so that I can fulfil customer purchases.

**Acceptance Criteria**:

* Admins must be able to view a list of all orders.
* Each order must display the order number, customer details, products ordered, total amount, and status.
* Admins must be able to update the status of orders (e.g., processing, shipped, delivered).

**User Story 11**

**Content**: As an admin, I want to manage user accounts so that I can ensure the integrity of the user base.

**Acceptance Criteria**:

* Admins must be able to view a list of all user accounts.
* Admins must be able to update user account details.
* Admins must be able to deactivate or delete user accounts.

These user stories and acceptance criteria cover the main functionalities required for the simple e-commerce website as outlined in the provided requirements document.