Fully Dressed Use Case Description for Login Functionality

## Use Case Name:

Login Website

# Primary Actor:

Customer (User)

# Stakeholders and Interests:

* **Customer:** Wants secure access to personal accounts.
* **Admin:** Needs to manage customers securely.
* **System:** Ensures authorized access and data security.

# Preconditions:

1. The user must have a valid registered account.
2. The website must be online and the login service active.

# Postconditions:

**Success:** The customer is logged into their account and redirected to the homepage or dashboard.  
**Failure:** The system shows an appropriate error message.

# Main Success Scenario (Basic Flow):

1. The customer navigates to the login page.
2. The system displays fields for username (email) and password.
3. The customer enters valid credentials.
4. The system verifies the credentials.
5. The customer is redirected to their account dashboard or homepage.

# Extensions (Alternate Flows):

1a. **Invalid Username or Password:**

* The system shows an error message: "Invalid username or password. Please try again."

2a. **Forgot Password:**

* The customer clicks "Forgot Password."
* The system prompts for the registered email.
* The customer enters the email and submits.
* The system sends a password reset link to the email.

# Special Requirements:

* Secure login with encrypted password storage (e.g., hashing).
* Support for CAPTCHA to prevent bot attacks.
* Two-factor authentication (optional for enhanced security).

# Assumptions:

* The user has internet access.
* The user remembers their login credentials.

# Open Issues:

* Should the system support third-party login options like Google or Facebook?
* How long should login sessions remain active?