Book Alley

Use-Case Specification: Forgot Password

Version 1.0

Revision History

| **Date** | **Version** | **Description** | **Author** |
| --- | --- | --- | --- |
| 11/11/2023 | 1.0 | Initial | Dang Ha Huy |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Table of Contents

[**1. Use-Case Name 4**](#_heading=h.30j0zll)

[1.1 Brief Description 4](#_heading=h.1fob9te)

[**2. Flow of Events 4**](#_heading=h.3znysh7)

[2.1 Basic Flow 4](#_heading=h.2et92p0)

[2.2 Alternative Flows 4](#_heading=)

[2.2.1 Invalid email address 4](#_heading=h.3dy6vkm)

[2.2.2 Expired or invalid reset link 4](#_heading=h.1t3h5sf)

[2.2.3 Account lockout 4](#_heading=h.3c46gjw5w843)

[**3. Special Requirements 4**](#_heading=h.4d34og8)

[3.1 Multi-language support 4](#_heading=h.2s8eyo1)

[3.2 Accessibility 4](#_heading=h.w5h01a98mda8)

[3.3 Performance 4](#_heading=h.zcc52lmbsk9d)

[3.4 Security 4](#_heading=h.2xtpsiuct0xk)

[3.5 Regular backup 5](#_heading=h.yicw3wmyb1ux)

[**4. Preconditions 5**](#_heading=h.17dp8vu)

[4.1 Internet connectivity 5](#_heading=h.3rdcrjn)

[4.2 User is registered 5](#_heading=h.5hl05lmkmk0i)

[4.3 Valid email address 5](#_heading=h.mmfvene2fq7m)

[4.4 System availability 5](#_heading=h.dfau774e9zgp)

[**5. Postconditions 5**](#_heading=h.26in1rg)

[5.1 Filtered book list display 5](#_heading=h.lnxbz9)

[5.2 User preferences retention 5](#_heading=h.tuvijemqy6eu)

[5.3 Successful book details view 5](#_heading=h.bqy3ll8rw923)

[5.4 Direct interaction options 5](#_heading=h.vs69zr2uq5el)

[5.5 Product tags displayed 5](#_heading=h.cck0mpihws0q)

[5.6 Activity logging 5](#_heading=h.p09heyz8q9ez)

[**6. Extension Points 5**](#_heading=h.35nkun2)

[6.1 Review and rating 5](#_heading=h.1ksv4uv)

[6.2 Personalized recommendation 5](#_heading=h.8yby1xzh1l53)

[6.3 Social media integration 5](#_heading=h.2qh1hz1nre8v)

[6.4 Book preview 6](#_heading=h.rh1glr9n0044)

Use-Case Specification: Forgot password

# Use-Case Name

## Brief Description

The forgot password use case for Book Alley allows users to recover their account when they forgot their password

# Flow of Events

## Basic Flow

1. The user clicks on the "Forgot Password" button on the login page.
2. The system prompts the user to enter their recovery email address.
3. The system validates the entered email address to ensure it is associated with a registered account.
4. If the email is valid, the system proceeds to the next step; otherwise, an error message is displayed.
5. An email containing the reset link is sent to the user's registered email address.
6. The user checks their email and clicks on the provided password reset link.
7. The link directs the user to a secure page on the website where they can reset their password.
8. The user enters a new password and submits the form.
9. The system updates the password and the user receives a confirmation message that their password has been successfully reset.
10. The user can now log in using the new password.

## Alternative Flows

### Invalid email address

* If the entered email address is not registered in the system, an error message is displayed, prompting the user to enter a valid email address.

### Expired or invalid reset link

* If the user clicks on an expired or invalid password reset link, the system should notify the user and provide them with the option to request a new reset link.

### Account lockout

* Implement security measures to prevent misuse, such as temporary account lockout or CAPTCHA, if there are multiple unsuccessful password reset attempts.

# Special Requirements

## Multi-language support

* Provide support for multiple languages in book metadata and user interface.

## Accessibility

* The web application should adhere to accessibility standards, making it usable for people with disabilities.

## Performance

* The loading of books must be fast to ensure that the user can have a smooth browsing experience. Optimize page loading time and reduce bounce rate

## Security

* Implement secure data transmission and storage for user information. Protects user data and ensures a secure browsing environment.

## Regular backup

* Implement a regular backup system for book data and user preferences. Protects against data loss and ensures data recovery in case of system failures.

# Preconditions

## Internet connectivity

* The user's device should have a working internet connection to access the website

## User is registered

* The user attempting to use the "Forgot Password" functionality must be a registered and already have an account

## Valid email address

* The user provides a valid email address associated with their account during the password recovery process.

## System availability

* The website should be up and running.

# Postconditions

## Filtered book list display

* The user sees a list of books based on the applied filters.

## User preferences retention

* The system retains the user's preferences and applied filters.

## Successful book details view

* If the user clicks on a book, they are redirected to the book details page.

## Direct interaction options

* The user can add a book to their shopping cart or wish list directly from the browse page.

## Product tags displayed

* If the user view the books detail then the tags of that books are displayed and the user can click on those tags to view other books with the same tag

## Activity logging

* The system logs the browsing activity for analytics purposes.

# Extension Points

## Review and rating

* Allow users that have bought the book to provide reviews and ratings to enable other users to make an informed decision based on those reviews

## Personalized recommendation

* Implement an algorithm for personalized book recommendations to enhance user experience by suggesting books based on browsing history and preferences.

## Social media integration

* Allow users to share their favorite books on social media. Expands the social reach of the e-commerce platform and promotes user-generated content.

## Book preview

* Enables users to preview a few pages of a book before deciding to purchase.