

CSCI 4050/6050

Software Engineering

Online Bookstore System

Deliverable 1: User Stories

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Team # 4(B)

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Users (US):

US 1 Browsing Books

As a user, we want to be able to search for books in order to purchase them.

Acceptance Criteria:

- Search bar, not SQL injectable
- Searches result with books tagged with the term
- Searches result with books containing the term in the title
- Searches result with books containing the term in the summary
- Search results can be added to the cart without navigating to the page
- System must assure correct concurrent behavior with multi-user access

US 2 Create Account

As a user, we want to create an account so that we can add books to our cart and checkout with them.

Acceptance Criteria:

- Provide users with the registration form
- Valid email address and password
 - The password must be at least 8 characters long, containing at least 1 lowercase, 1 uppercase, and 1 special character
 - Email must comply to RFC 5322 Standard regular expression
 - Usernames may only contain alphanumeric characters , _ and -
- If the user enters all mandatory fields (name, email, password)

- Create a user model in the database that includes the name, email, password (hashed), shipping information, payment information and set the account to inactive
 - Then, send the activation link to the user at the entered email
- reCaptcha to prevent spam
- Each email address is linked to one account ID and each account belongs to exactly one customer
- Maintain authorization information to allow access to different types of users: Administrators, web users, and registered users

US 3 User Activation

As a user, I want to be able to activate my account so I can log into the bookstore.

Acceptance Criteria:

- Users will not be able to log in until their account is active
- Once the email has been confirmed, set the account to active status
- Users with an active account should be able to log in
- User status should be saved as Inactive until confirming their email address

US 4 User Login

As a user, I want to login to the system so I can access restricted features and retrieve my saved information.

Acceptance Criteria:

- Login Form
 - Allow an option for the user to stay logged
 - Allow for the user to reset password
- Logged in users should have access to restricted features

- Registered users can login using their account ID or email address and password

US 5 User Settings

As a user, I would like to be able to login using my same account at any point in the future.

Acceptance Criteria:

- User information should be stored permanently in the database
- Passwords and card numbers should be encrypted

US 6 Permanent Users

As a user, I would like to be able to login using my same account at any point in the future.

Acceptance Criteria:

- User information should be stored permanently in the database
- Passwords and card numbers should be encrypted

US 7 Place Orders

As a user, I want to be able to add books to my cart and check out.

Acceptance criteria:

- Only registered users can add to cart/place orders
- Each customer ID must be linked to one shopping cart
- Items can be removed from cart
- After items have been added to the cart, users can checkout
- Checkout must be secure
- The system must allow customers to use their promotion codes in order to get discounts

- The system must send an order confirmation to the customer's email, including customer name, confirmation number, order ID, order date, shipping information, ordered items, and total amount in dollars
- Users should be able to reorder previously ordered items
- For each order, the system must record order information: customer ID, order ID, order time and date, order status, total price, shipping address, payment method, and ordered books

US 8 User Subscription

As a user, I want to be able to subscribe/unsubscribe for promotions and the latest news offered by the bookstore administrator

Acceptance Criteria:

- Only registered users can subscribe/unsubscribe
- Users' subscription status should be stored in the database
- The system administrator should have an easy method of sending an email to everyone who is subscribed

US 9 Order History

As a user, I want to be able to view my order history and track my order status.

Acceptance Criteria:

- The system should allow the user to see their entire order history
- The system should allow the user to track the order status of any items that have not yet been delivered

US 10 User Interface

As a user I want the website to be easy to use and be aesthetically pleasing.

Acceptance Criteria:

- The system must have an easy-to-use user interface with screens designed for each part of the system's functionality

System Admin (SA):

SA 1 Enter Book Information

As a system administrator, I must be allowed to enter book information into the system.

Acceptance Criteria:

- All the following information for each book is recorded in the system: ISBN, category, authors' names, title, cover picture, edition, publisher, publication year, quantity-in-stock, minimum threshold, buying price and selling price.

SA 2 Update Book Information

As a system administrator, I must be allowed to remove or update book information.

Acceptance Criteria:

- All information regarding the book has been removed from the system database.
- Only the information specified by the system administrator has been updated and saved in the system database.

SA 3 Add Employee

As a system administrator, I must be able to add new employee accounts to the system.

Acceptance Criteria:

- An employee account has been created and saved in the user section of the system database.
- An employee account can only become active if the system administrator has authorized the account.

SA 4 Delete User

As a system administrator, I should be allowed to suspend a user's account.

Acceptance Criteria:

- The associated registered user account and all its related information have been successfully deleted from the system database.
- The associated user has been notified of their account suspension through their contact information.

SA 5 Promote User

As a system administrator, I should be allowed to promote user account into an admin account and vice versa.

Acceptance Criteria:

- The specified registered user account has been successfully promoted to an admin account and gained all the admin privileges.
- The specified admin account has been successfully demoted to a registered user account and all its admin privileges have been revoked.

SA 6 Add Promotion

As a system administrator, I must be able to add promotions to the system.

Acceptance Criteria:

- All information associated with the promotion, including promo-code, percentage, start date, and the expiration date has been stored in the system database.
- The system has sent promotion emails automatically to all registered users who have subscribed for promotions.
- Any modification to the promotion must be forbidden once the emails have been sent out to registered users.

Business Manager (BM):

SA & BM 1 Sales Statistics

As a system administrator or business manager, I want to be able to view end of day sales reports and end of day low-inventory notices automatically.

Acceptance Criteria:

- For system administrators and business managers only, the website should have a page dedicated to viewing sales statistics.
- At the end of each business day, a new item will appear in the list of sales reports, detailing the number of sales made and profits and any low inventory

Anyone Using the Website (ALL)

ALL 1 Web Browser

As any user of the website, I want to be able to access it from a common web browser.

Acceptance Criteria:

- User interface must be accessible from a common web browser, such as Internet Explorer, Google Chrome, Mozilla Firefox, or Safari

ALL 2 Relevant Web Pages

As any user of the website, I want the pages shown to be relevant to me.

Acceptance Criteria:

- The user interface and web pages shown must correspond to the user's authentication (administrator, web user, registered user)