

## Acceptance Criteria

### Original project requirements:

Based on the product vision of the project, the application must include

- User registration and authentication
- Book catalog
- Shopping cart and checkout
- User profile
- Order history
- Management for administrators for adding, modifying and deleting books

### Measurable success criteria:

- User is able to successfully register and log in, and the account is stored in the database
- Logging in fails with incorrect credentials
- User is able to add books in the shopping cart and see the total price of the content of the cart
- User is able to go through the checkout process and the order is stored in the database
- Admin is able to go to management view and add, edit or delete authors, genres or books
- User without the role "admin" is unable to go to management view and doesn't see the button for it

## Acceptance tests

### Functional testing:

- **User registration:** A tester attempts to create a new account. The application should validate the given input and save the new user into the database. The application should display an error message when the given input is invalid, for example, too short password, empty required fields.
- **User login:** A tester attempts to log in. The application should authenticate the user and give access to the user profile. The application should display an error message if the tester attempts to log in with invalid credentials.
- **Browsing book catalog:** All saved books in the database should display correctly in the catalog, showing the book name, author, price and genre.
- **Adding items to shopping cart:** The tester selects a book and adds it to the shopping cart. The cart should update and show the names of the added books and their prices, and the total price of the contents of the cart.
- **Admin login:** A tester logs in with the admin credentials. The application should authenticate the admin credentials and provide access to the management tools. Normal users should not be able to access the management tools.

- **Catalog management for admin users:** A tester logged in as an admin, attempts to add, delete and modify the books in the catalog. The application should accept the modifications and update the database.

**Usability testing:**

- **Navigation:** How well an user who has no prior experience or instructions of the application can find book catalog, logging in, registration, shopping cart and checkout?
- **Checkout process:** Is the checkout process straightforward enough and the user can get through the process without confusion?

**Performance and reliability testing:**

- The application should load the book catalog within a short period of time.
- After registering or logging in, the application should open the user profile without noticeable delay.
- Adding, modifying and deleting books should succeed without database errors or crashes.