

Developing Websites for Multiplatform Use

Bookstore part 3 – book management

This part of the bookstore project will introduce forms for book creation and editing and a page for book deletion with the single book page and header being updated to include links to these controls. New books can be added with an optional book cover with a default cover being supplied if this is omitted.

The **project files** are stored at **Developing Websites for Multiplatform Use > Files > 7 Bookstore 3 – book management > part 3 files.zip** which contains:

- Partially complete PHP files for the add-book and update-book pages.
- Screenshots for the add-book, update-book, and delete-book pages.
- Screenshots for the updated book and sql classes and book-single component.
- A test cover to act as a placeholder when testing the creation of new books.

Concepts covered

- Creating new books with an optional file upload for book covers.
- Updating existing books.
- Deleting books from the database with a yes-no dialogue for confirmation.
- Basic validation of form data and uploaded files.
- Preserving form values on error.
- Page access guards (e.g., only admins should see the add/update/delete-book pages).
- Making use of user-defined functions and constants.

Instructions

1. Place the partially complete **add-book.php** and **update-book.php** in the project root.
2. Complete **add-book.php** and **update-book.php** using the screenshots – code is added on line 8 in both files.
3. Create **delete-book.php** at the project root.
4. Update the following classes according to the screenshots:
 - a. **book.php**: add the `validate()`, `create()`, `update()`, and `delete()` functions.
 - b. **sql.php**: lines 15 to 22.
5. Update the **book-single.php** component by adding the admin controls from line 19 to 38.
6. Test in the browser by navigating to [localhost](#) and get the application working.
 - a. Try creating products with and without an image, with images larger and smaller than the file size limit you have defined, and with files formats that are invalid.

File and folder structure

Items in **red** require creation or updating using the provided instructions and screenshots.

classes

- **book.php**
- components.php
- connection.php
- **sql.php**
- user.php
- utils.php

components

- book-card.php
- **book-single.php**
- footer.php
- header.php
- no-books-found.php
- no-single-book-found.php

css

- style.css

icons

- nav-button.png

images

- (20 images of book covers)

includes

- credentials.php

js

- mobile-nav.js

add-book.php

book.php

book-list.php

delete-book.php

login.php

logout.php

registration-success.php

update-book.php

database.sql

test-cover.jpg