

Developing Websites for Multiplatform Use

Bookstore part 1 – book list

This bookstore project will introduce you to core server-side development concepts and will be developed over the course of several lessons. There will be a book gallery where the user can browse a list of books where each book can be clicked on to see more information about it.

The **project files** are stored at **Developing Websites for Multiplatform Use > Files > 7 Bookstore 1 – book list > part 1 files.zip** which contains:

- The completed header, footer, book-single, no-books-found, and no-single-book-found components.
- The completed connection, sql, and utils classes.
- The icons and images required by the application.
- A JavaScript script for showing and hiding the mobile navigation.
- The completed stylesheet for the website.
- The SQL statements for creating and populating the database.
- Screenshots for the book and book-list pages, book and components classes, book-card components, and credentials include.

Concepts covered

- Setting up and connecting to a database using MySQL.
- Creating a book class for retrieving book data from the database.
- Creating a components class for displaying dynamic page components.
- Creating dynamic web pages.
- Using URL parameters to transfer data between pages.
- Making use of user-defined constants.

Instructions

1. Download and extract the project files to your **htdocs** folder (be sure to back this up regularly).
2. Go to phpMyAdmin and create the **bookstore** database using the statements in **database.sql** (refer to **Using XAMPP for MySQL** under **Files** if required).
3. Create a folder called **includes** at the project root.
4. Using the screenshots provided, create the following php files in their associated folder.
 - a. **book-list.php** and **book.php** at the project root.
 - b. **book.php** and **components.php** in the classes folder.
 - c. **credentials.php** in the includes folder.
 - d. **book-card.php** in the components folder.
5. Test in the browser by navigating to localhost and get the application working.

File and folder structure

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

classes

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

book.php

book-list.php

database.sql