

PO4 Learner Brief:

You will be given a selection of images and data files for inclusion in this webpage project. Note that your form must include all provided images and data.

You will create single HTML page with a complex form application, e.g. a form based application that allows a user to submit a payment of any amount to an organisation, e.g. voluntary, commercial, supporter. The form needs to include dynamically loaded XML data for form fields, e.g. currencies, payment types, products/services, costs/pricing etc.

Your code should be clean, well laid out and well commented. You should test and validate your work to make sure it works well in all major browsers and conforms to scripting standards. Note that you are expected to base your scripting on JQuery and AngularJS.

When you have created the scripts and tested them you are required to print out the relevant HTML/Script files only and give a brief explanation of the scripts and how they work.

Deliverables:

- One webpage project – electronic copy of all files with and printed copy of HTML/script files only with short description explaining how the script works and cover sheet
- Scripting requirements document
- Testing validation plan
- Maintenance plan
- Survey to capture end users' experience and expectation

PO4 Library System – Additional Guidelines

Pre-Prep

Follow instructors guidelines to prepare the upload of the required PHP files:

- db.php
- config.json
- script.php

Introduction

The aim of PO4 is to build a Single Application Page for managing a library inventory. The application needs to allow population of database table(s); and creating, reading, updating and deleting library records.

The application will also have an upload feature for a placeholder image. The placeholder image is displayed for books without a cover image.

Lending period for books is 7 calendar days, not accounting for weekend or bank holidays. Overdue books will occur a charge of 50 cents/week.

Styling

Keep the styling simple. Ensure that each feature is enclosed within it's own collapsible/expandable section. Form fields should all be aligned appropriately.

Feature 1 – Adding New Books

Create a section that allows you to create new entries to the database. You are expected to capture data for title, author, print year, category, binding and ISBN.

Feature 2 – Searching Inventory

Create a section that allows you to query the database. Choose three suitable categories for searching the inventory database. Ensure that results are presented in a AngularJS table and displayed fields are helpful and relevant. This table should include the average rating for each book.

Feature 3 – Checking Out Books

Create a section that allows you check out books, e.g. record that the book is no longer in the inventory but taken out by a library member. Ensure that the return date is recorded.

Feature 4 – Returning Books

Create a section that allows you check in books, e.g. record that the book is back in the inventory and late fees are recorded as paid.

The user is given the option to rate the book (0 – 5 stars) and record a brief review.

Feature 5 – Remove Books

Create a section that allows you remove a book, e.g. books that haven't been returned, lost or got damaged.

Feature 6 – Administration

Create a section that allows you to upload an inventory list from an JSON file and upload the placeholder image for books that have no image attached to.

This section will also give a summary of late fees that were collected.