

OPSPL Developer Readiness Code Submission:

Create an account on GitHub (if you do not have one already). Add your code (including database script) and share the link with us on employment@opspl.com

Create the following database structure (in MySQL / SQL Server)

books

Field	Type	Remarks
book_id	int	Primary Key
book_name	char / varchar	Not NULL
author_email	char / varchar	NOT NULL
cover_picture	char / varchar	NULL (Store image file name only)
dt_publish	date	NOT NULL
review	text	NOT NULL
isbn_number	text	NOT NULL
price	float	NOT NULL
type	int	NOT NULL, 1- Magazine, 2- Novel, 3 Textbook
rating	int	NOT NULL
is_paperback	bit / boolean	NOT NULL
is_hardback	bit / boolean	NOT NULL
is_ebook	bit / boolean	NOT NULL
in_stock	bit / boolean	NOT NULL, 1 (Available) / 0 (Out of Stock)
dt_modified	timestamp	NOT NULL

book_categories

Field	Type	Remarks
bkcat_id	int	Primary Key
book_id	int	FK to books
cat_id	int	FK to categories

categories *(Master Table: insert sample data)*

Field	Type	Remarks
cat_id	Int	Primary Key
category	Text	NOT NULL

Complete the following tasks using either PHP or C#

Task 1:

Fetch and display data related to books using the template *book-list.html*.

Task 2:

Use the template *book-add.html* to capture the information of any book, ensuring the following:

- All fields are compulsory.
- Display appropriate error messages.
- Validate for appropriate data in each field.
- Cover : Allow upload of only jpg or png files and limit of 2MB
- Categories: allow selection of multiple categories

Front-end validations are not required. Implement server side validations.

Task 3:

Code the necessary functionality to Edit a book record.

Task 4:

Code the functionality to Delete a book record. Prompt for confirmation before deletion.