

INLS 672

Web Development 2

Application Design: Adding Data



UNC
SCHOOL OF INFORMATION
AND LIBRARY SCIENCE

Joan Boone
jpboone@email.unc.edu

Award Winning Reads

Browse



Add Book

Title

Author

Category

[All the Light We Cannot See](#)

Historical

[Angle of Yaw](#)

[Dancing on the Edge](#)

[Delights & Shadows](#)

[Empire Falls](#)

[Final Salute](#)

[Founding Brothers: A Revolutionary Generation](#)

[George F. Kennan: An American L](#)

[Gilead](#)

[Gulag: A History](#)

`list_view.php`

Add a New Book

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Save Book

ISBN

Title

Author

Publisher

Format

Category

Description

Rating

`add_view.php`

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[add_view.php](#)

Browse

Save Book

ISBN

Title

Author

Publisher

Format

Category

Description

Rating

Save New Book

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Browse

ISBN 978-0374103118

Title Amity and Prosperity: One Family and the Fracturing of America

Author Eliza Griswold

Publisher Farrar, Straus and Giroux

Format Hardcover

Category History

Description The story of the impact of the energy boom on a small town at the edge of Appalachia and one womans transformation from a struggling single parent to an unlikely activist.

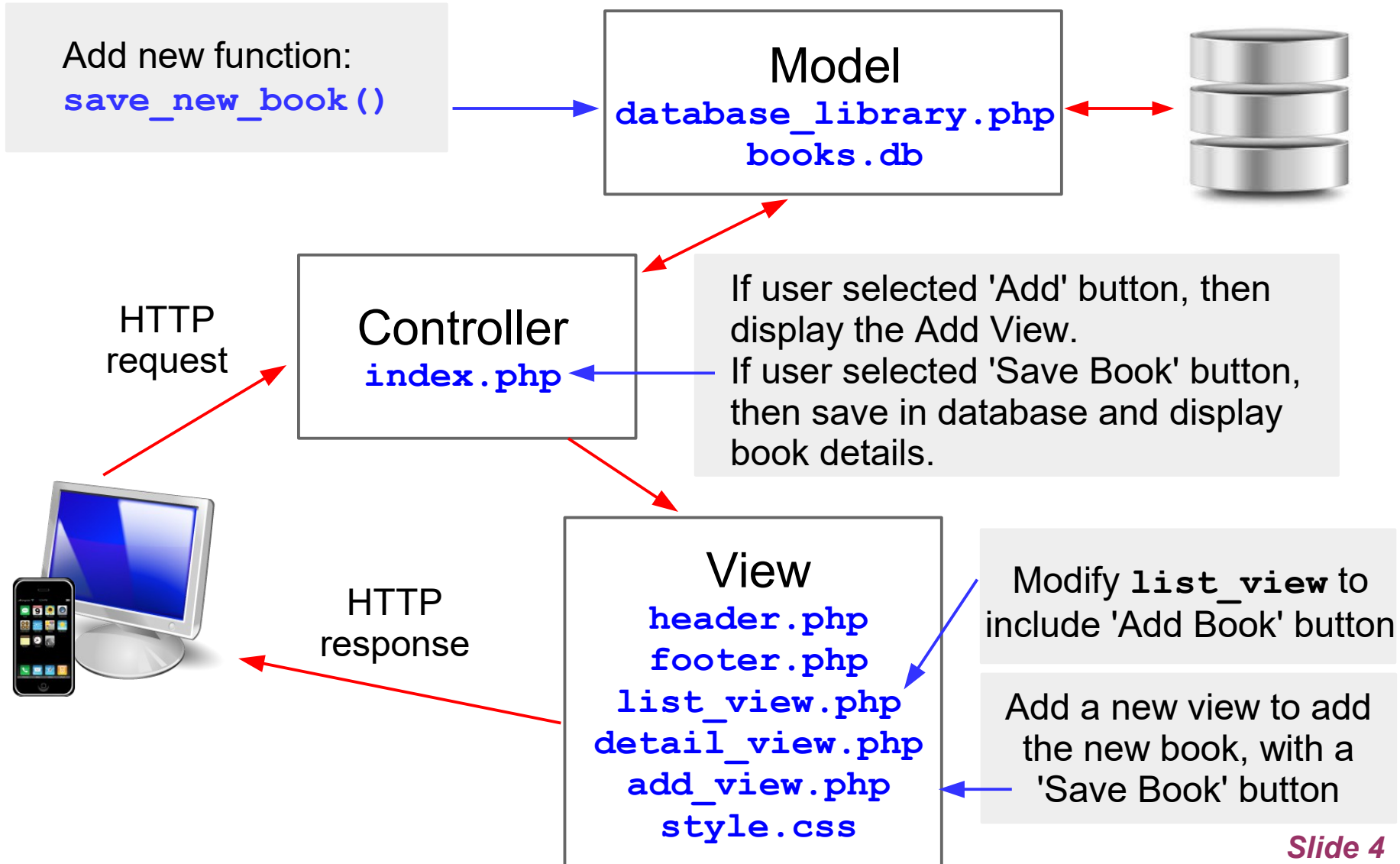
Rating 5

[detail_view.php](#)

After selecting 'Save Book',
display the book details

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Adding a New Book: what changes are needed?



Adding a New Book: Update `list_view.php`

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Title	Author	Category
All the Light We Cannot See	Anthony Doerr	Historical Fiction
Angle of Yaw	Ben Lerner	Poetry
Dancing on the Edge	Han Nolan	Children
Delights & Shadows	Ted Kooser	Poetry
Empire Falls	Richard Russo	Novel
Final Salute	Jim Sheeler	History
Founding Brothers: A Revolutionary Generation	Joseph J. Ellis	History
George F. Kennan: An American Life	John Lewis Gaddis	Biography
Gilead	Marilynne Robinson	Novel
Gulag: A History	Anne Applebaum	History

In `list_view.php` add a button that will display the `add_view.php` when selected.

Adding a New Book: Create a new view, `add_view.php`

```
<form method="post">
<section id="controls">
  <input class="button" type="submit"
    name="browse_books" value="Browse">
  <input class="button" type="submit"
    name="save_new_book" value="Save Book">
</section>

<section id="input">
  <label>ISBN</label><input type="text"
    name="isbn" size=20>
  <label>Title</label><input type="text"
    name="title" size=50>
  . . .
</section>
</form>
```

When Save Book is selected, use **SQL INSERT** to add the new book.

```
INSERT INTO BOOK VALUES ('978-0374103118', 'Amity and
Prosperity: One Family and the Fracturing of America', 'Eliza
Griswold', 'Farrar, Straus and Giroux', 'Hardcover',
'History', 'The story of the impace of the energy....', '5')
```

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Browse

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Adding a New Book:

Model changes in `database_library.php`

```
function save_new_book() {
    global $db;
    // print_r($_POST);
    $query = "INSERT INTO BOOK VALUES ('" . $_POST['isbn'] . "', '" .
        $_POST['title'] . "', '" . $_POST['author'] . "', '" .
        $_POST['publisher'] . "', '" . $_POST['format'] . "', '" .
        $_POST['category'] . "', '" . $_POST['description'] . "', '" .
        $_POST['rating'] . "')" ;

    try {
        $statement = $db->prepare($query);
        $statement->execute(); // true if successful, otherwise false
        $statement->closeCursor();
        return TRUE;
    }
    catch (PDOException $e) {
        $error_message = $e->getMessage();
        echo "<p>SQL error: Insert Book failed, $error_message </p>";
        return FALSE;
    }
}
```

Adding a New Book: Controller changes in `index.php`

User selects the Add Book button on `list_view.php`

- If the Add Book button selected, `include('add_view.php')`, to display the view to add the new book details.

User selects the Save Book button after filling the in book details

- If the Save Book button selected, call `save_new_book()`
- If the save is successful then, call `get_book($isbn)` to get the book details, and `include('detail_view.php')` to display them.

Something like this:

```
elseif
(isset($_POST['save_new_book'])) {
    $successful_save = save_new_book();
    if ($successful_save) {
        $isbn = $_POST['isbn'];
        $result = get_book($isbn);
        include('detail_view.php');
    }
}
```


Practice: Include the Add Book feature to your application

[list_view.php](#)

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Browse



Add Book

Title	Author	Category
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[All the Light We Cannot See](#)

Anthony Doerr

Historical Fiction

[Angle of Yaw](#)

[Dancing on the Edge](#)

[Delights & Shadows](#)

[add_view.php](#)

Award Winning Reads

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Save Book

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Title

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Note: this will be part of Assignment 3

[detail_view.php](#)

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