

Group

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GITHUB

<https://github.com/Uncydave/CST363-Project1>

FULLSQL

<https://github.com/Uncydave/CST363-Project1/blob/master/FullSQL.zip>

OLTP Use Case

Our use case required a DataStore management system that is, simple and fast with its transactions. Our database is normalized to make sure the data is not repeated unless it used in another table as a primary key. For example the foreign for bookID and locationID comes together to form the inventory tables primary key.

Application:

Description:

Book Store Warehouse Web APP, It manages inventory to signify if the it is available or not available at a location.

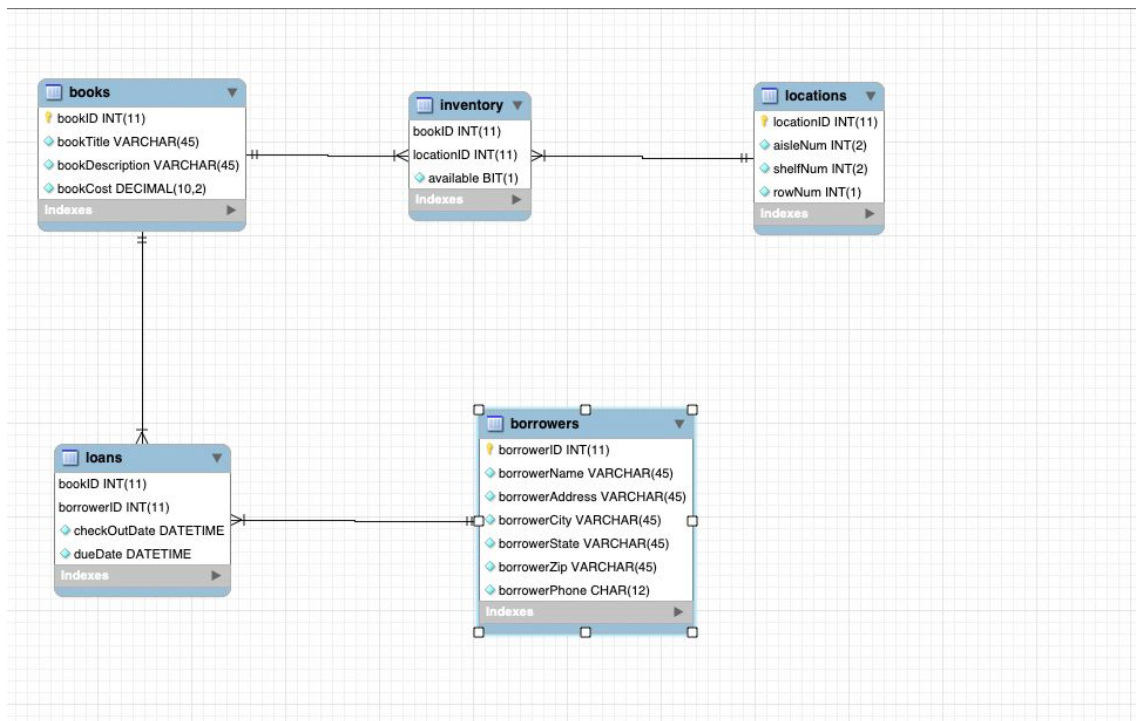
Technologies Used:

Python, JQuery, mysql, JSON responding REST API's

User Needs

The user is a librarian or book warehouse manager.

ER Diagram:



Pages(HTML)

index.html : Landing Page and Provides Navigation to the other pages for a specified task.

addBookPage.html: View the current catalog of books and to add new books to the books table.

addBorrowerPage.html: View the current authorized burrowers of books and to add new borrower to the borrower table.

addLocationPage.html: View the current available shelving areas and to add new shelf to the location table.

addInventoryPage.html: View the current inventory of books and where it is at, you can also make a book available or not in the inventory.

APIRoutes(RESTApi's)

BookAPIAdd.py : Adding new books

BookAPIGet.py : Getting all the books

BorrowerAPIAdd.py : Adding a borrower

BorrowerAPIGet.py : Getting all borrowers

InventoryAPIAdd.py : Adding inventory

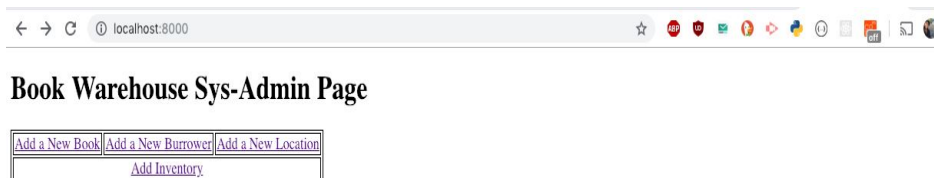
InventoryAPIGet.py : Getting the current inventory

LocationAPIAdd.py : Adding a Location

LocationAPIGet.py : Getting all Locations

ScreenShots

Index.html



addInventoryPage.html

A screenshot of a web browser displaying a web application. The browser's address bar shows 'localhost:8000/addInventoryPage.html'. The page has a light gray background. At the top, there's a section titled 'Current Inventory' in a large, bold, black serif font. Below this title is a table with three columns: 'Book Id', 'Location Id', and 'Available'. The table contains two rows of data. The first row shows '1' for Book Id, '1' for Location Id, and 'Not Available' for Available. The second row shows '1' for Book Id, '2' for Location Id, and 'Available' for Available. Below the table is another section titled 'Inventory Page' in the same large, bold, black serif font. Under this title, there are three dropdown menus: 'BookName' with 'Select a Book', 'Location ID' with 'Select a Location', and 'Available:' with 'Set Available'. Each dropdown menu has a blue arrow icon on its right side. Below these dropdowns is a button labeled 'Submit-Inventory'.

localhost:8000/addInventoryPage.html

Current Inventory

Book Id	Location Id	Available
1	1	Not Available
1	2	Available










Inventory Page

BookName

Location Id

Available:

- [ID:1] AisleNum:2
- [ID:2] AisleNum:3
- [ID:3] AisleNum:4
- [ID:4] AisleNum:3
- [ID:5] AisleNum:3
- [ID:6] AisleNum:3
- [ID:7] AisleNum:3
- [ID:8] AisleNum:4

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Current Inventory

Book Id	Location Id	Available
1	1	Not Available
1	2	Available

Inventory Page

BookName:

✓ Select a Book

Location Id:

[ID:1] Name:Harry Potter: Chamber of secrets

Available:

[ID:4] Name:Game of Thrones

Submit-Inv

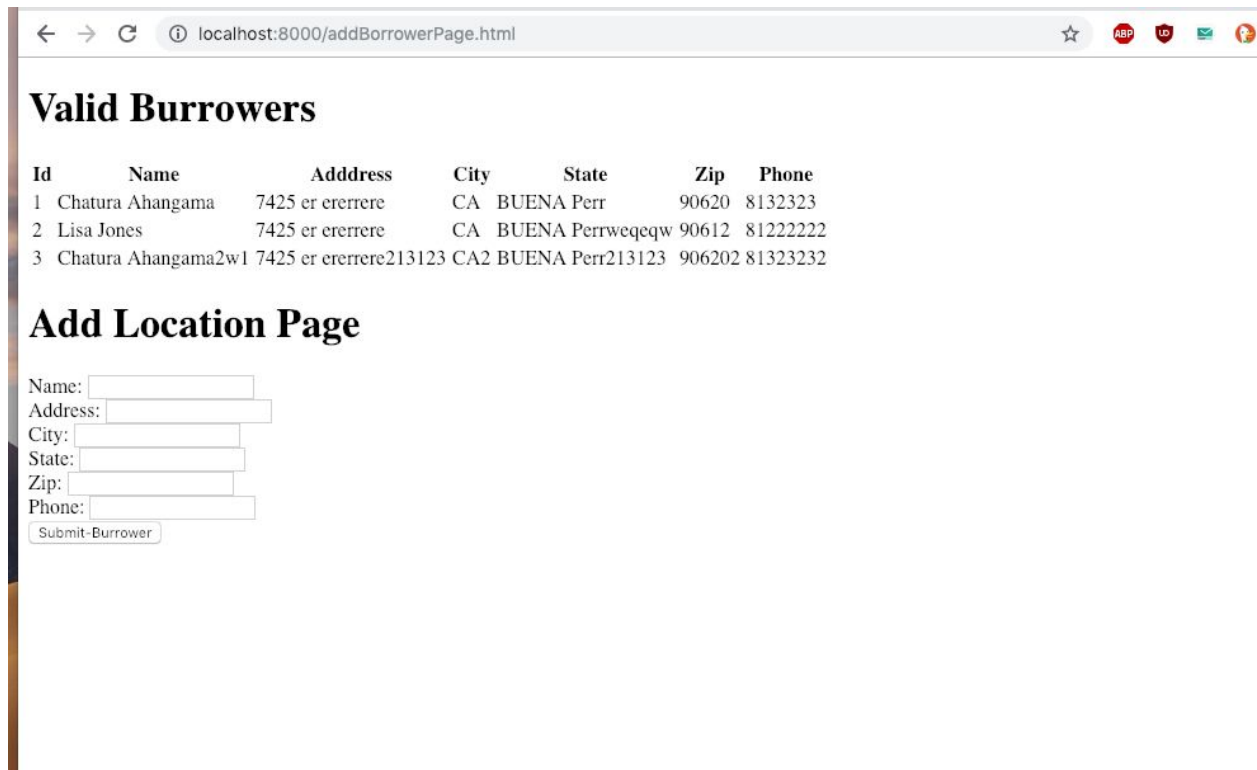
[ID:10] Name:Book Of Kaya

[ID:11] Name:Book Of Thulu

[ID:12] Name:Book Of M

[ID:13] Name:Book Of Jessica

addBorrowerPage.html



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Valid Burrowers

Id	Name	Address	City	State	Zip	Phone
1	Chatura Ahangama	7425 er errere	CA	BUENA Perr	90620	8132323
2	Lisa Jones	7425 er errere	CA	BUENA Perrweqeqw	90612	81222222
3	Chatura Ahangama2w1	7425 er errere213123	CA2	BUENA Perr213123	906202	81323232

Add Location Page

Name:

Address:

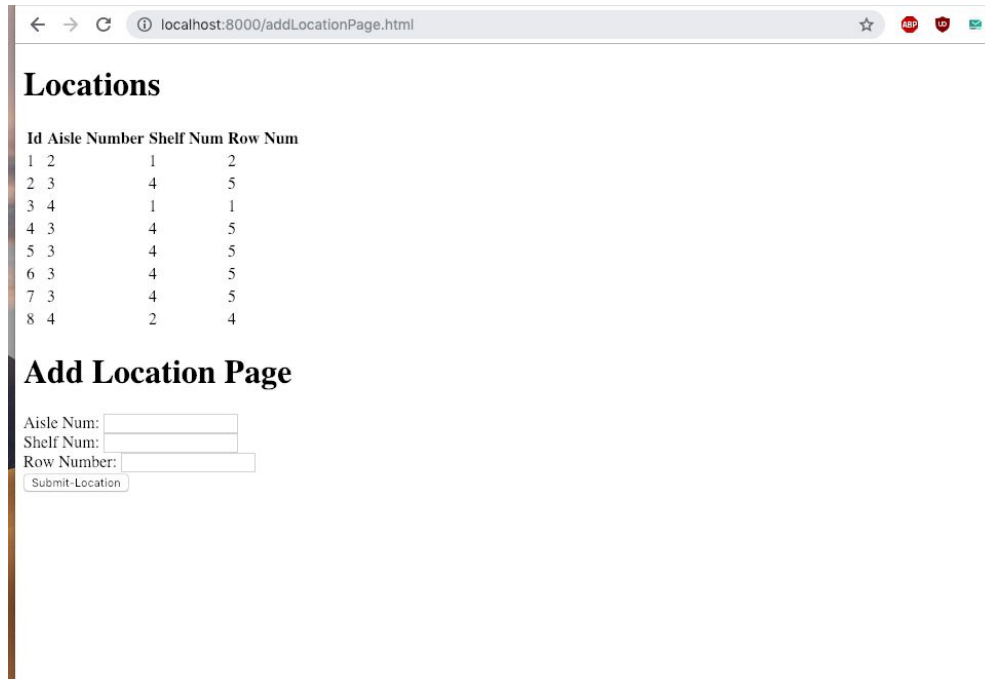
City:

State:

Zip:

Phone:

addLocationPage.html



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Locations

Id	Aisle Number	Shelf Num	Row Num
1	2	1	2
2	3	4	5
3	4	1	1
4	3	4	5
5	3	4	5
6	3	4	5
7	3	4	5
8	4	2	4

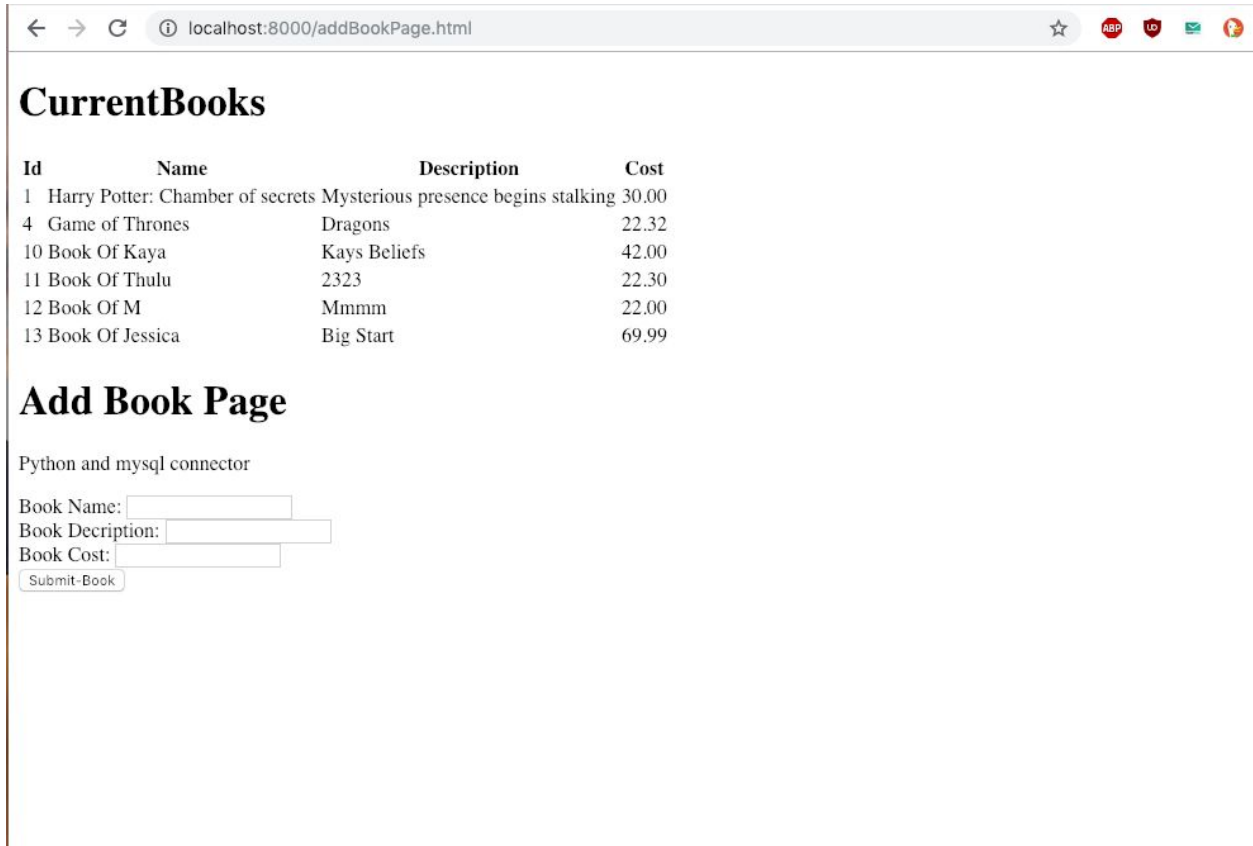
Add Location Page

Aisle Num:

Shelf Num:

Row Number:

addBookPage.html



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CurrentBooks

Id	Name	Description	Cost
1	Harry Potter: Chamber of secrets	Mysterious presence begins stalking	30.00
4	Game of Thrones	Dragons	22.32
10	Book Of Kaya	Kays Beliefs	42.00
11	Book Of Thulu	2323	22.30
12	Book Of M	Mmmm	22.00
13	Book Of Jessica	Big Start	69.99

Add Book Page

Python and mysql connector

Book Name:

Book Description:

Book Cost:

Future to implement

We were originally planning implementing the loans table interface, unfortunately due to time constraints we decided to go with the functionality we have. Also CSS was largely not focused on here as the objectives were to query, display and manipulate the table data.