

Assignment 4

The Assignment

This assignment will build upon Assignments Two and Three. You will no longer use an array to verify data from the form you created in Assignment 2 rather you will use the database you created in Assignment 3.

In this assignment you are to use the form created in Assignment 2 that allows a user to login to the TSKB using their Bookseller Name (First and Last), Bookseller Password, Bookseller ID Number and Bookseller Phone Number. Validation of inputted data should be done (via the JavaScript created in Assignment 2). The form will also need to verify the information (Bookseller Name, Bookseller Password Bookseller ID Number) against the database table you created in Assignment 3. Once the Bookseller Name, Bookseller Password and Bookseller ID are validated/verified the user should be directed to a page based upon the option selected in the dropdown menu. The options are as follows:

- **Search A Bookseller's Records** (No Form required to retrieve information other than the Login Form)
- **Customer's Book Purchase/Order** (Form that allows customer to purchase a book in store or online)
- **Customer's Book/Order Return** (Form that allows customer to return a purchase)
- **Update A Customer's Book Order** (Form that allows the book seller to update an existing order if the customer needs to add additional items to the current order)
- **Cancel A Customer's Book Order** (Form that allows for the cancellation of an online order)
- **Create A New Customer Account** (Form that allows the input of essential information to create an account for a customer)

Based upon the option chosen one of the following actions occurs.

- If the user chooses the **Search A Bookseller's Records** option you will display a table showing the Bookseller's records which will contain the BookSeller's Name (First and Last), BookSeller's ID Number, BookSeller's Phone Number, BookSeller's Email and Customer's Name (First and Last), Customer's ID, Customer's In Store Purchase, Customer's Online Purchase, Date and Time of purchase, Payment type (cash/credit), Order Type (In Store or Online), Shipping Address (if order placed), Purchase ID **for every customer** associated with and **ONLY** with the given Bookseller. **NOTE:** This will need a JOIN query. There is a video under Useful Websites under Week 0 that will be helpful if you need a visual explanation of how to use the JOIN query/statement.

The Story Keeper Book Store

Bookseller's First Name: Barbara REQUIRED

Bookseller's Last Name: Book REQUIRED

Bookseller's Password: ***** REQUIRED

Bookseller's ID #: 12345678 REQUIRED

Bookseller's Phone #: 111-111-1111 REQUIRED

Bookseller Email: Example: abc@abc.com

Check the box to request an Email Confirmation:

Select a Transaction: Search A Bookseller's Accounts

Submit Reset

Login Form

Book Seller First Name	Book Seller Last Name	Book Seller ID	Book Seller Phone	Book Seller Email	Customer First Name	Customer Last Name	Customer ID	In Store Purchases	Online Purchases	Purchase Date & Time	Payment Type	Order Type	Shipping Address	Purchase ID
Barbara	Book	12345678	111-111-1111	BB@TSKB.com	Jay Gatsby	The Hounds of Baskerville Sir Arthur Conan Doyle	\$25	NA	October 1, 2022 11:00AM	Cash	In Store	NA		

Table that is printed for the Book Seller & Customer(s)

- If the user chooses the **Customer's Book Purchase/Order** option, the system should check to see if the customer already has an account. If an account exists, then continue with the purchase. If a customer does not have an account, then the system should indicate that the customer does not exist in the DB table and an account needs to be created before purchasing an item and redirect to Create Account Page. The **Purchase ID for the customer should be generated using a random number generator**. NOTE: an existing customer can make a purchase with any Book Seller in the Book Seller Table. If a purchase is being made online the Customer's Payment type can only be "CREDIT". If any other value is inputted an alert should be issued that input is invalid and should be corrected before the purchase can proceed.

The Story Keeper Book Store
Purchase/Order Form

Customer's First Name: REQUIRED
Customer's Last Name: REQUIRED
Customer's ID Number: REQUIRED
Customer's In Store Purchase: REQUIRED
Customer's Online Purchase: REQUIRED
Date and Time of Purchase: REQUIRED
Payment Type: REQUIRED
Order Type: REQUIRED
Shipping Address: REQUIRED

Submit

Customer Purchase Form

web.njit.edu says
Payment Type must be by Credit for an Online Order. Please re-enter.

OK

The Story Keeper Book Store
Purchase/Order Form

Customer's First Name: REQUIRED
Customer's Last Name: REQUIRED
Customer's ID Number: REQUIRED
Customer's In Store Purchase: REQUIRED
Customer's Online Purchase: REQUIRED
Date and Time of Purchase: REQUIRED
Payment Type: REQUIRED
Order Type: REQUIRED
Shipping Address: REQUIRED

Submit

Alert For Incorrect Payment Type For Online Order

web.njit.edu says

Customer Purchase Placed

OK

Alert Issued For Placement of Purchase/Order

The Story Keeper Book Store														
Book Seller	Book Seller	Book	Book Seller	Customer	Customer	Customer	In Store Purchases	Online Purchases	Purchase Date & Time	Payment Type	OrderType	Shipping Address	Purchase ID	
First Name	Last Name	Seller ID	Email	First Name	Last Name	ID								
Barbara	Book	12345678	BB@TSKB.com	Jay	Gatsby	1	The Hounds of Baskerville Sir Arthur Conan Doyle \$25		October 1, 2022 11:00AM	Cash	In Store	NA		
Barbara	Book	12345678	BB@TSKB.com	Peter	Pan	3	To Kill A Mockingbird		November 2, 2022 7:21PM	Credit	Online	333 First Ave	kk 111	

Print of Book Seller Records Demonstrating Purchase Added

web.njit.edu says

CUSTOMER CANNOT BE FOUND. RECHECK DATA ENTERED
OTHERWISE YOU NEED TO CREATE AN ACCOUNT FOR CLIENT.

OK

Alert Issued if the Customer Does Not Exist

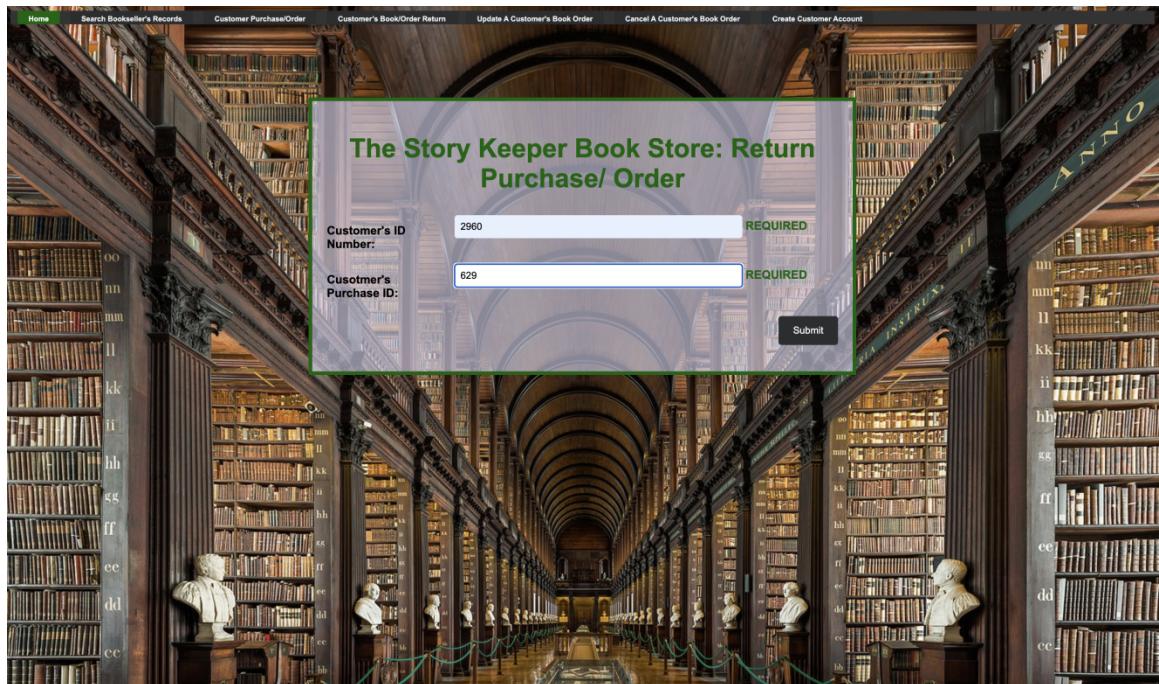
- If the user chooses the **Return A Customer's Purchase/Order** option, the system should check that the order exists before it can be returned. If the order does not exist, the system should indicate that it does not and ask the user to check the information and re-enter valid data and the user is brought back to the Update page.

web.njit.edu says

Before you return an item please make sure the item was purchased from the store. Was it purchased from The Story Keeper Book Store? If not we cannot accept the return

[Cancel](#) [OK](#)

Alert Before a Return



web.njit.edu says

You are about to Return this purchase. Are you sure you want to delete?

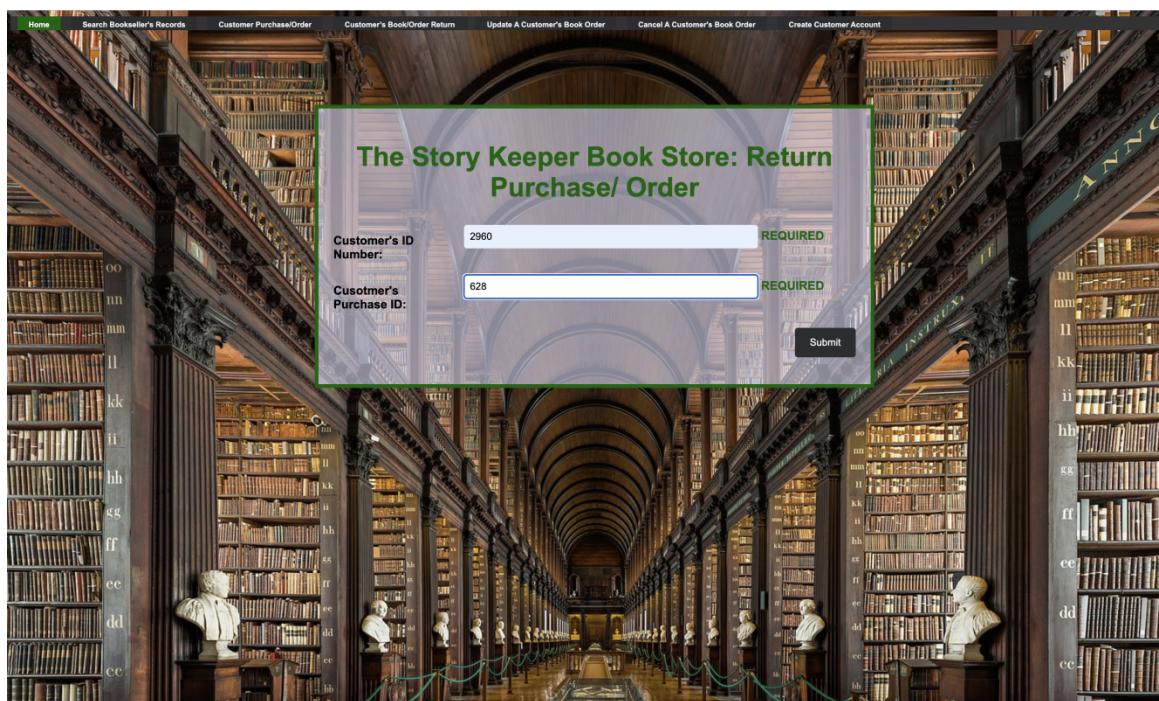
[Cancel](#) [OK](#)

web.njit.edu says

Customer Purchase Returned

OK

Valid Return



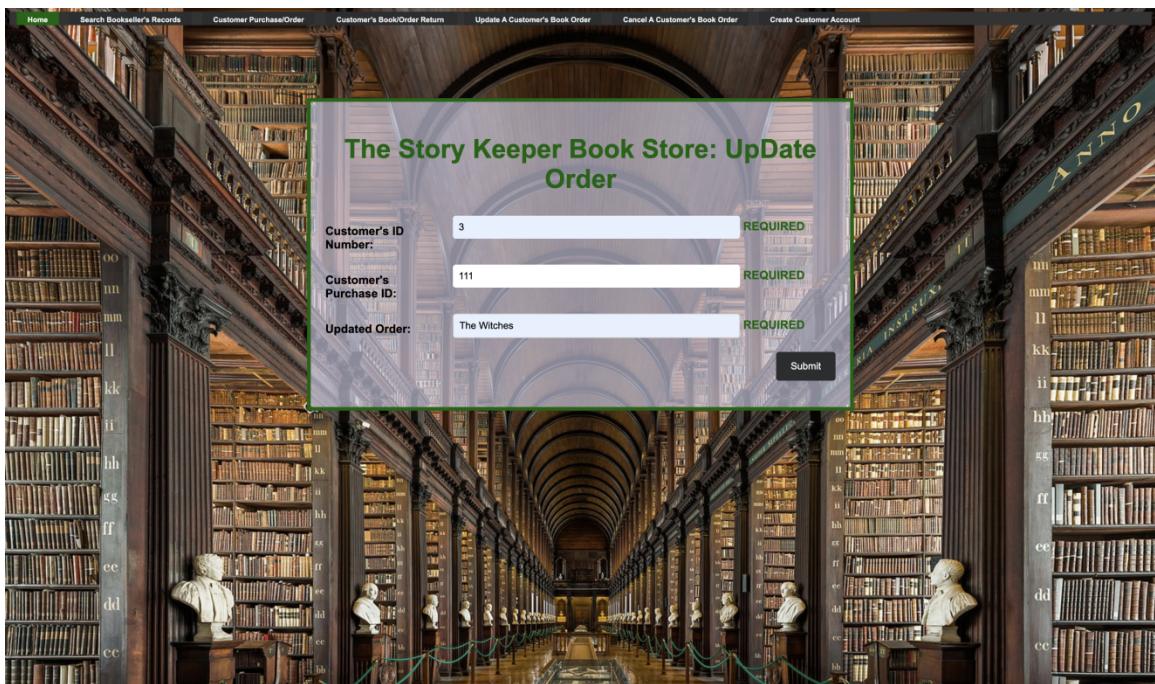
web.njit.edu says

Purchase ID Does not Exist For the Customer. Please Check and
Re-enter Purchase ID.

OK

Invalid Data Entry

- If the user chooses the **Update An Order** option, the system should check that the order exists and that it was purchased Online (only online orders can be updated) before it can be added to the existing order. If the purchase exists and was placed online, then the user should be asked (via an alert) if they are sure they wish to update the order before proceeding with the update of the order. If the order does not exist, the system should indicate that it does not and ask the user to check the information and re-enter valid data and the user is brought back to the Update page.



Valid Data Entered - Purchase can Proceed

web.njit.edu says

You are about to UPDATE this order. Are you sure you want to update?

Cancel

OK

Message to Confirm Update

Order Updated

Close

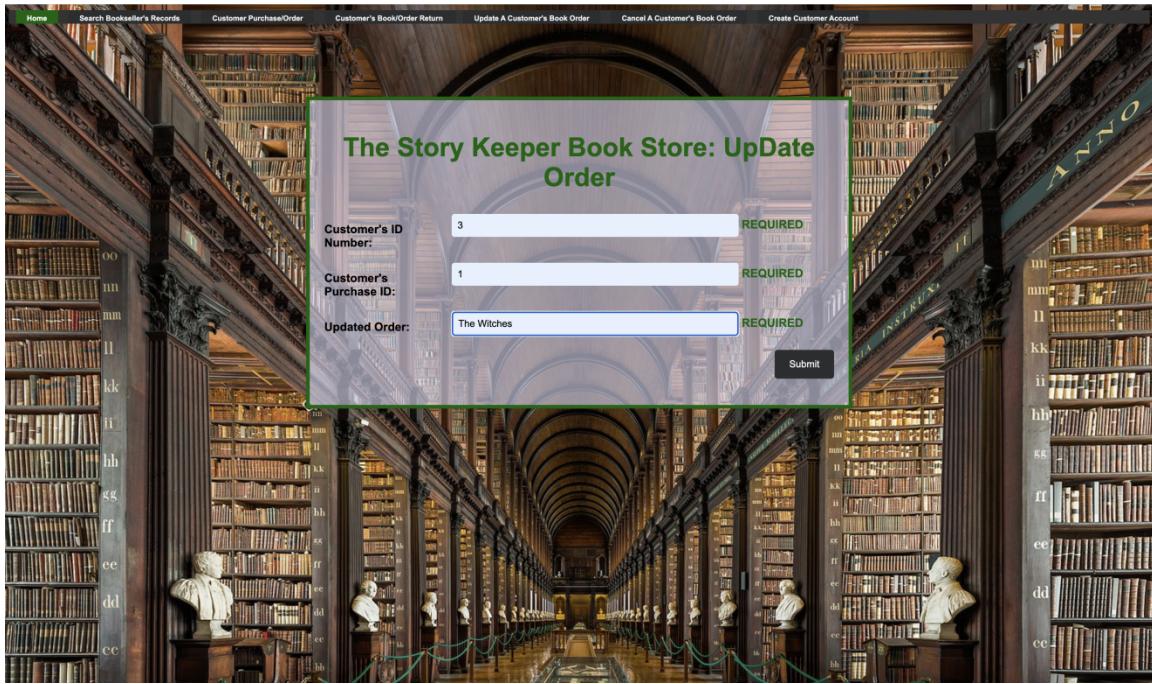
OK Clicked So Order is Updated

You are about to UPDATE this order. Are you sure you want to update?

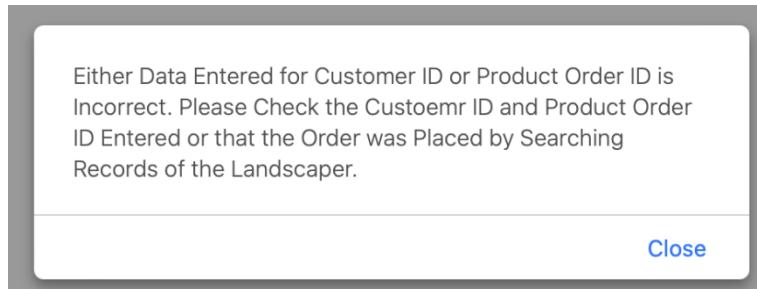
Cancel

OK

Cancel Clicked - Order is Not Updated

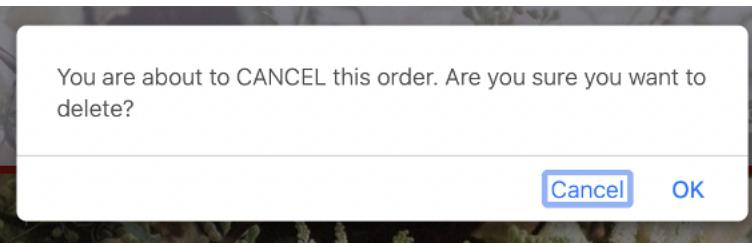
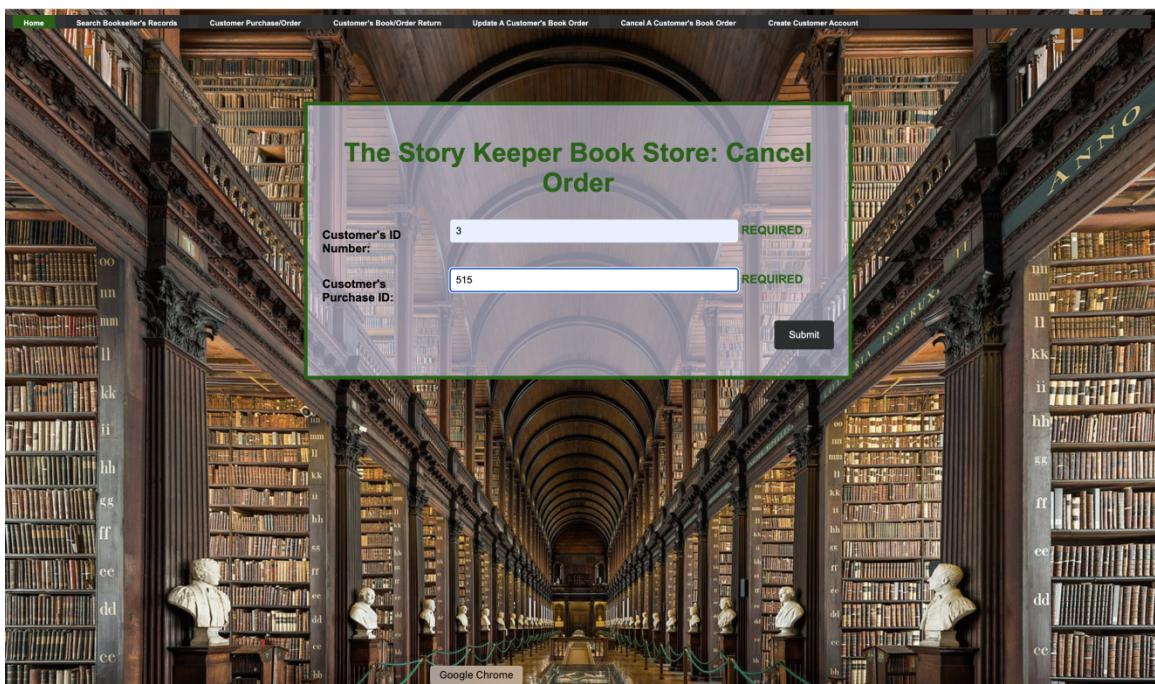


Incorrect Data Entered for Order – Purchase ID is for an In Store Purchase



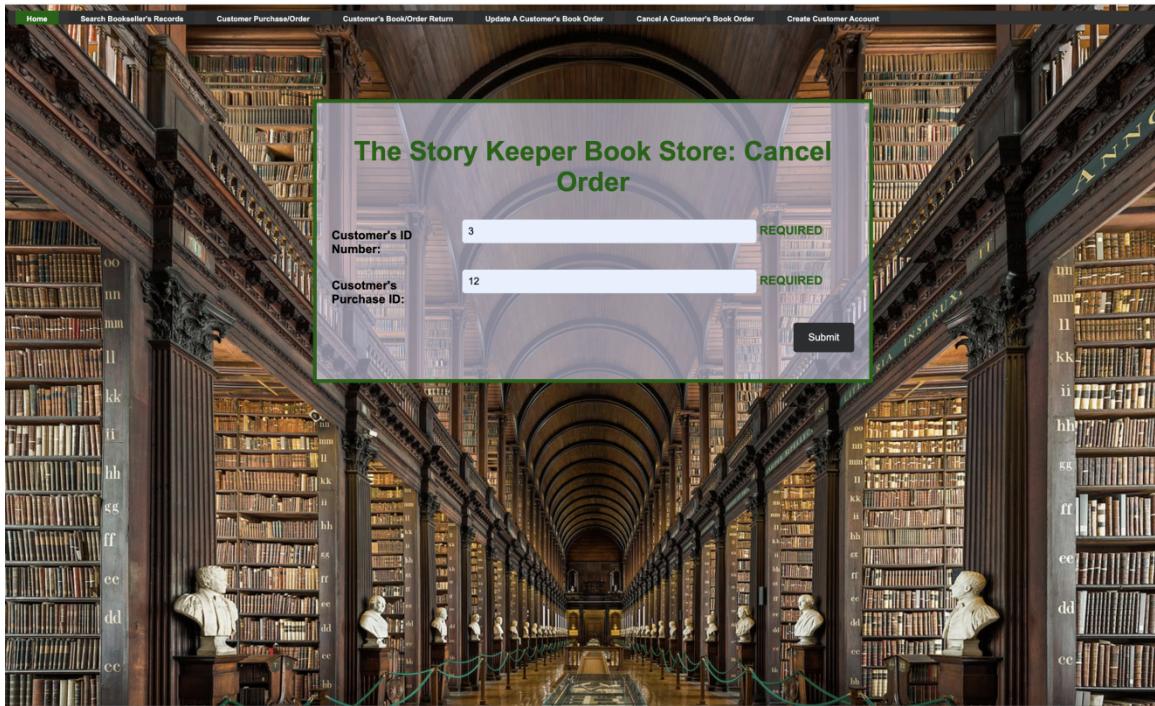
Invalid Data Entered so Update Cannot Take Place and Error Message is Displayed

- If the user chooses the **Cancel A Customer's Order** option (this can only be used for online purchases and is not a return rather it is a cancellation of an order before it is shipped), the system should check that the order exists. If it does, then ask the user if they are sure they wish to cancel the order before proceeding with cancelling the order. If the order does not exist, the system should indicate that it does not and ask the user to check the information and re-enter valid data.



web.njit.edu says
Customer Online Purchase Cancelled

Valid Data Entered so Cancellation Takes Place



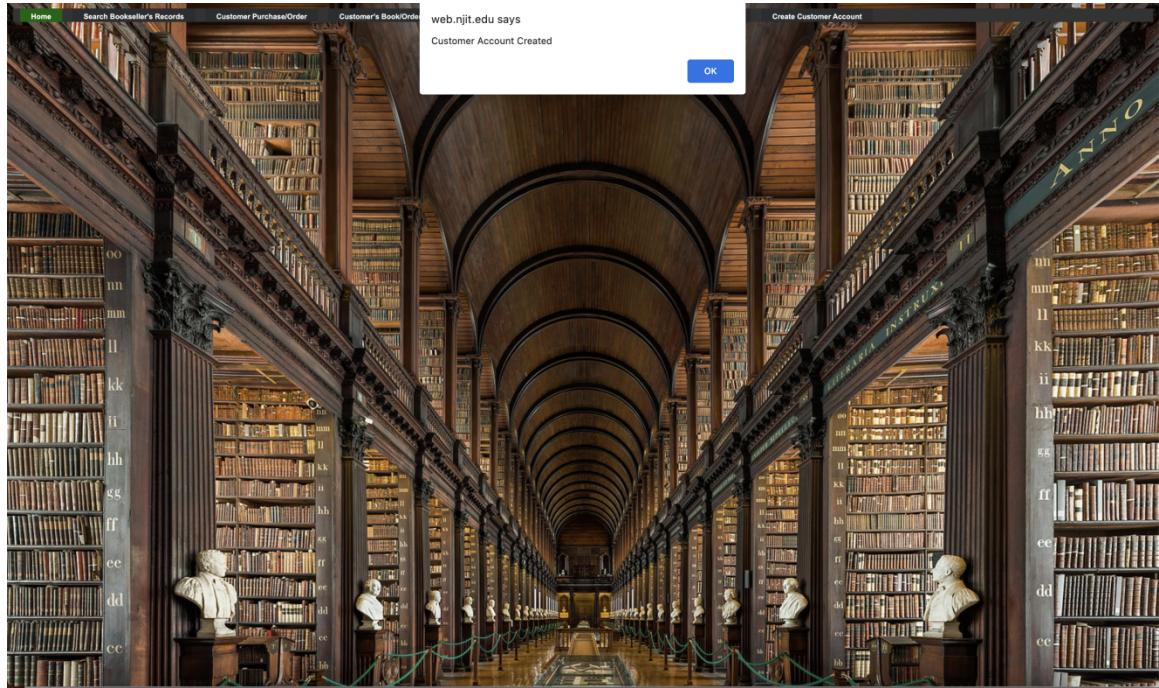
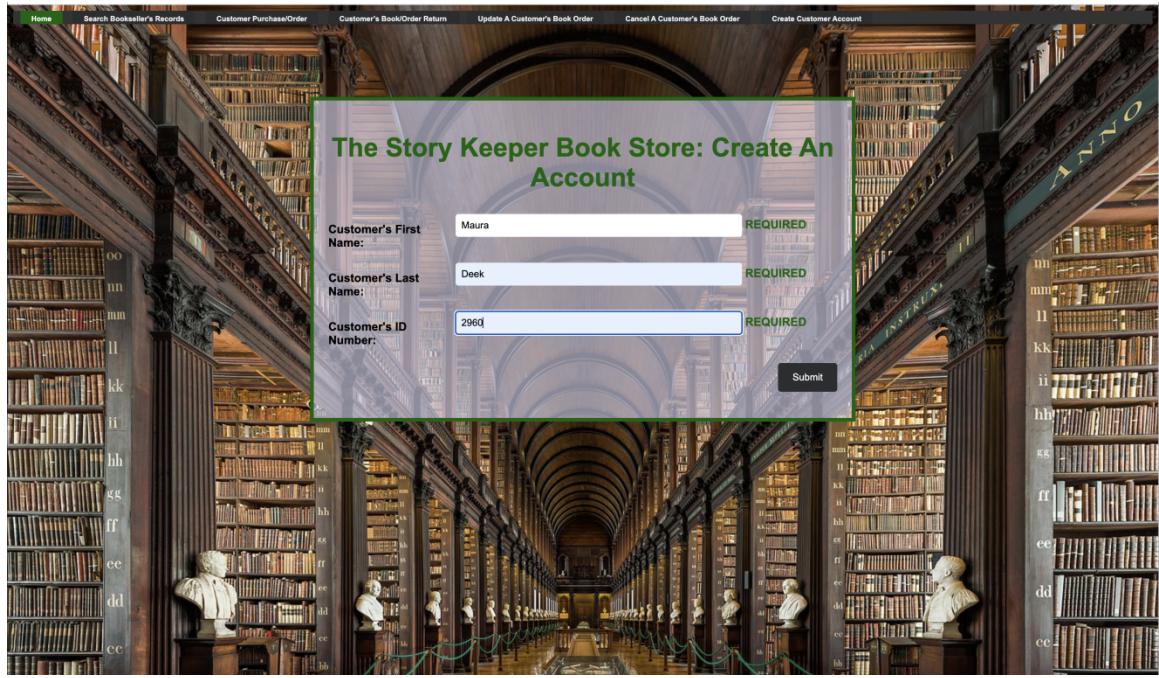
web.njit.edu says

Purchase ID Does not Exist For the Customer. Please Check and
Re-enter Purchase ID.

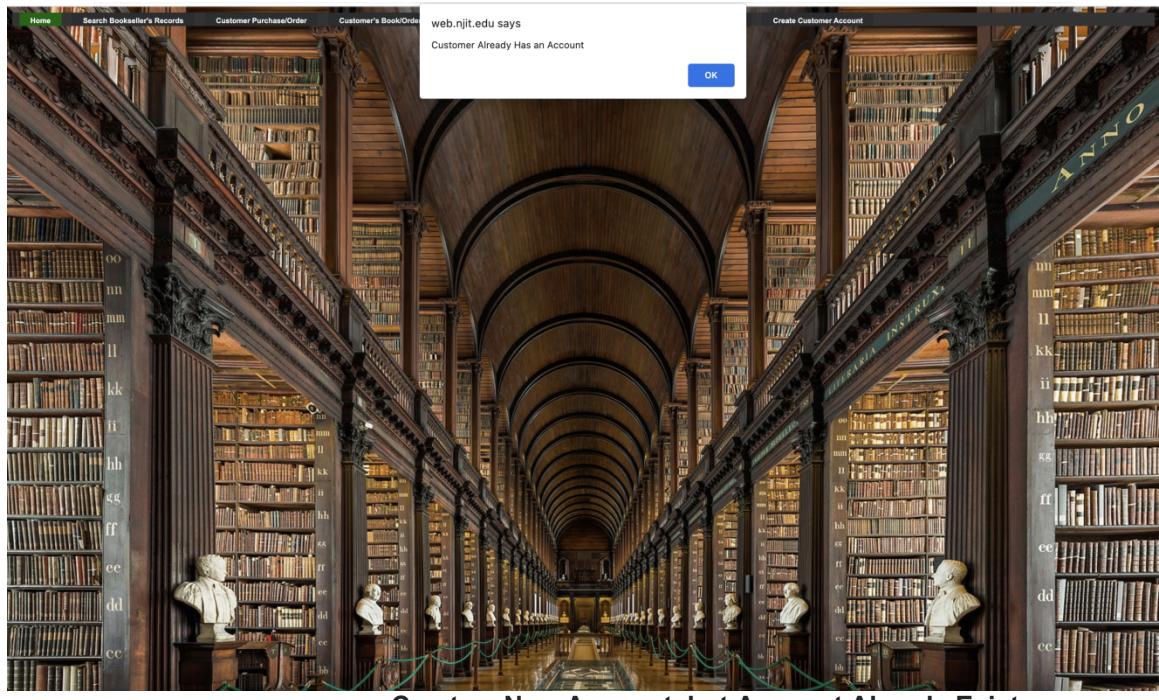
OK

Invalid Data Entered so Cancellation Cannot Take Place

- If the user chooses **Create A New Customer Account**, the user should be asked to create an account for the new customer and insert the customer's information into the table. If the Customer exists, then the Book Seller should be alerted that the customer does. If the does not exist a record should be inserted into the Customer table and the Book Seller should be alerted that the insert occurred.



Create a New Account



Create a New Account, but Account Already Exists

All data MUST be validated on each form.

All forms should be redirected back to appropriate form based on the action that occurred.

Your database table should be updated accordingly based upon the option chosen.

A Navigation Bar should be at the top of all pages except the initial login page.

Again, you can have your own design, but make sure all your pages have all the requirements detailed in the specs and shown in my illustrations.

Please upload your files and an URL where the files reside in "Canvas".

The following URL will give you step by step instructions on how to submit your assignment files.

<https://community.canvaslms.com/docs/DOC-10663-4212543>

Good Luck,
Maura