

# Assignment #3

Due at .

## Overview

You may work in pairs (but can also work individually) to create a series of connected web forms.

## Context

You will be continuing the web application that allows book salespeople (called book reps) to easily research their publisher's offerings and order review copies for customers.

## Submitting

Put your assignment in a folder based on your last name+assign3 (e.g., mine would be ConnollyAssign3). Put any resources used by your assignment into this folder. Copy the folder to the submit drive.

## Grading

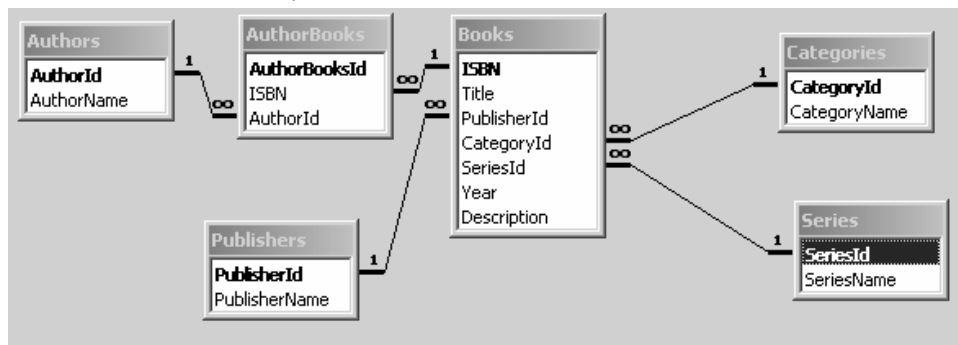
The grade for this assignment will be broken down as follows:

Usability and Visual Design	10%
Program Design and Documentation	30%
Features	60%
Extra Marks	10%

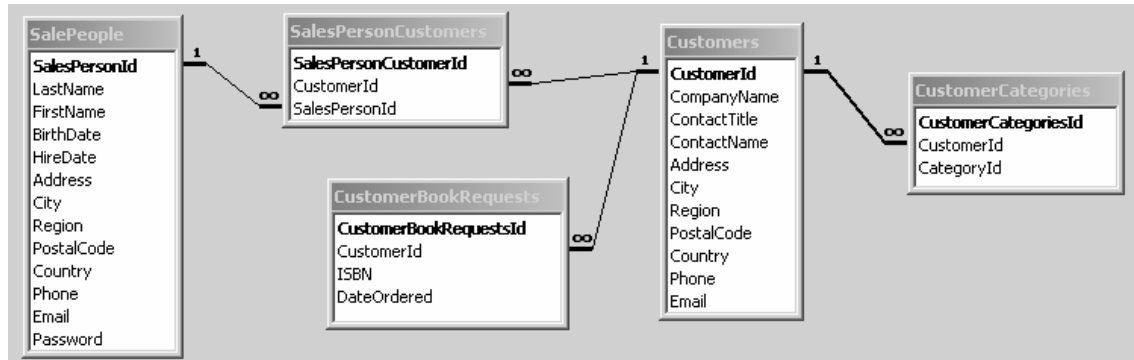
## Database

You will use the same two databases in this assignment as the last assignment.

- **BookCatalog.** This represents the product catalog for the publisher. Salespeople have limited, read-only access to this database.



- **CustomerRelations.** This represents the customer information for the salesperson. The site will allow salespeople to view and edit the data in this database.



## Functional Requirements

### Layer Architecture.

You must create a proper three-layer or four-layer architecture for the system.

### Web Forms.

You must create the following web forms.

1. **Login Page.** A page that allows the user to log in. If the user has not yet been authenticated, then a request to any of the other web forms in the system will redirect the user to this page. Use the ASP.NET security features and the default membership provider (i.e., do not use the SalesPeople table). Be sure to create a user named “teacher” with a password of “abcd@1234” for testing and marking purposes. After the user logs in, the logged-in user name should be visible on every other form. As well, every other form should provide a way to logout.
2. **Home Page.** A central page with links to all pages. It should list the names of the group members as well as mention that this is assignment #3 for COMP 4409. The home page must also contain the following user controls: Newest Books (display a list of the five most recent books; each should be an appropriate link to the Book Information Form), Book Series (display a list of all book series; each should be an appropriate link to the Book Listing Form), Book Categories (display a list of all book categories; each should be an appropriate link to the Book Listing Form), and Book Publishers (display a list of all book categories; each should be an appropriate link to the Book Listing Form).

3. **Book Listing Form.** This form will display a listing of the books in the Books table. The list should show the ISBN, a small image of the book cover, the title, and the year. The book image and the book title should be links that will display the *Book Information Form* for that book.

This form can display a variable number of books in the list. If there are no querystring parameters, then the page should display all the books in the table. It should also support the ability to pass in either an `AuthorId`, `PublisherId`, `CategoryId`, or a `SeriesId`; in such a case, then the form would only display the books for that author, publisher, category, or series. In such a case, there should be heading at the top of the list that specifies what subset of data is being listed.

4. **Book Information Form.** This form will display the information for a single book. The book to display should be specified by passing in the requested book's ISBN via a querystring parameter. It should display the larger cover image, the title, the publisher's name, category name, series name, authors' name(s), the year and the description. The publisher, category, author, and series names should be links. When the link is clicked, this should display the *Book Listing Form* and pass it the appropriate `PublisherId`, `AuthorId`, etc.

This form should have the ability to add the displayed book to the *Request Cart* (sort of like a shopping cart).

5. **Request Cart Form.** This form will display the contents of the Request Cart. It should display the ISBN, a small image of the book cover, and the title. The book image and the book title should be links that will display the *Book Information Form* for that book. As well, each book should have a link to remove it from the cart. There should also be a button to remove all items from the cart.

The form should have a button/link that will take the user to the Checkout form.

6. **Checkout Form.** This form will contain a wizard with the following steps:
- Choose select or create customer. This step should ask the user whether they wish to select an existing customer or create a new customer.
  - Select Customer. If the user chose select customer in step one, then this step should allow the user to select an existing customer from a list of **all** customers in the Customers table.
  - Create Customer. If the user chose create customer in step one, then this step should allow the user to create a new customer and store the results in the Customers table.
  - Confirmation. This step should display the book titles and the customer address. After the user clicks the Confirm or Finish button, then the appropriate data should be written to the CustomerBookRequests table.
  - Complete. This should be a Complete wizard step and should display whether the data was or was not successfully written.

### **Optional Requirements (for extra marks)**

Modify the Book Information Form so that it displays three or four book reviews from Amazon. You must use the Amazon web service to do so.