

(420-PS4-AB) Developing ASP .NET Web Applications with ADO .NET
 Summer 2018

Assignment # 2 (worth 5%)

Due: Sunday 17 June 2018.

Consider the following design of a “Video rental store”

Class	Members
Customer	ID First Name Last Name Address Phone number List of rental records
RentalRecord	ID Rental Date List of rented Media
Media	ID Title Type (Movies, TV Show,. Etc.) Production Year

- Using ASP .NET Webforms and entity framework implement the needed proper classes and database context classes.
- Use code first migrations to build a new database.
 - Add couple of records in the Seed method.
- Created methods in the repository as stated below:

Form / Page	Description
Default.aspx	Display 4 image button controls in a table. User images of your preference for the image buttons. Use PostBackUrl property to navigate to the other web forms in this app: <ol style="list-style-type: none"> Customers: (Customers.aspx) Rent Media: (RentMedia.aspx) New Customer: (NewCustomer.aspx) New Media: (NewMedia.aspx)
Customers.aspx	Contains a grid view to display all available customers. Upon selection of a customer, details will be displayed in a details view. User should have the option to update the customer record. Add link to RentMedia.aspx and pass the selected customer ID to the page through QueryString.

	<p>Methods to be implemented in Repository:</p> <p>getCustomers()</p> <p>getCustomerbyID(...)</p> <p>updateCustomer(...)</p>
RentMedia.aspx (BONUS)	<p>Contains text box that will allow the user to search for a media by title.</p> <p>A Check Box List will display result of the search. (value of the check box list should be the ID of the media and display value should be the movie title.)</p> <p>User can select from the check box list the media to rent.</p> <p>A Rent Now button will read the customer ID from the QueryString and generate a list of selected media and call a method from the repository to add rental record.</p> <p>Methods to be implemented in Repository:</p> <p>getMediaByTitle (...)</p> <p>addRentalRecord (...)</p>
NewCustomer.aspx	<p>Create a web form with the required fields corresponding to the customer class.</p> <p>Add proper validations.</p> <p>Add a button to add to new customer to the database using a function from the repository.</p> <p>Once a customer is added successfully go back to Default.aspx</p> <p>Methods to be implemented in Repository:</p> <p>addNewCustomer(...)</p>
NewMedia.aspx	<p>Create a web form with the required fields corresponding to the media class.</p> <p>Add proper validations.</p> <p>Add a button to add to new media to the database using a function from the repository.</p> <p>Once a media is added successfully go back to Default.aspx</p> <p>Methods to be implemented in Repository:</p> <p>addNewMedia(...)</p>
Default.master	<p>Create a master Page that will include 5 hyperlinks for the web forms you have and display the links at the top as a menu. Links are:</p> <p>Home</p> <p>Customers</p> <p>Rent Media</p> <p>New Customer</p> <p>New Media</p>