

This assignment is an individual assignment, collaboration is prohibited.

Blogger

Improve the personal blog that you created as part of HOT2.


- ☐ Add the ability to assign tags to a blog post
 - ☐ Add a single column to the BlogPosts table [**Tags**] **NVARCHAR(100) NULL**
 - ☐ Publish the changes to the database schema
 - ☐ Add a **Tags** property to the BlogPost model class (remember to add [**StringLength(100)**])
 - ☐ Add a textbox to the EditPost view to enter the tags as a coma separated list
 - ☐ Update the **SubmitPost** action method to save the tags
 - ☐ Update the **Blog/Index** view to display the tags as Bootstrap badges (use the String.Split() method to split tags separated by commas)

- ☐ Add the ability to post a gallery of photos with each blog post
 - ☐ Add a **Photos** table
 - ☐ Add a **BlogPostPhotos** table to join the BlogPost and Photos tables
 - ☐ Publish the changes to the database schema
 - ☐ Add a **Photo** model class
 - ☐ Add a **BlogPostPhoto** model class
 - ☐ Add DbSet properties to the DbContext to support the two new tables
 - ☐ Add a navigation property of type **ICollection<BlogPostPhoto>** to the BlogPost class
 - ☐ Add a navigation property of type **ICollection<BlogPostPhoto>** to the Photo class
 - ☐ Add a navigation property of type **BlogPost** to the BlogPostPhoto class
 - ☐ Add a navigation property of type **Photo** to the BlogPostPhoto class
 - ☐ Build a **PhotosController** to allow the admin to upload and manage photos
 - ☐ Refactor **BlogController** so that the admin can add photos to their blog posts (when creating or editing them)
 - ☐ Update the **Blog/EditPost** view to allow the user to upload/pick images
 - ☐ Update the **Blog/Index** view to show the gallery of photos for a blog post
(but only if there are any, some blog posts will not have any images)

- ☐ Add the ability to search the blog by keyword
 - ☐ Add a search box to the top of the **Blog/Index** view to allow users to search by keyword. Name this search box **q**
 - ☐ Add a parameter to the **BlogController.Index** method to accept the search keywords:
string q = null
 - ☐ Refactor the **BlogController.Index** action method to add a WHERE clause that implements the search
 - ☐ WHERE Title, Description, or Tags contains any of the keywords
 - ☐ Update the **Html.PageLinks** statement in the **Blog/Index** view to include the search keywords in the page links
- ☐ Add the ability to view comments associated with a post
 - ☐ Update the **Blog/Index** view to display the two most recent comments under each post
 - ☐ Add a **Blog/Details** page to view the full details and full list of comments for a blog post
 - ☐ Update the **Blog/Index** view to add links the **Blog/Details** pages
- ☐ Add the ability to make comments on a post
 - ☐ Under each blog post there should be a **"Leave a Comment"** form.
 - ☐ Due to there being multiple comment forms on the same page this poses some interesting problems for using a model here. To work around this use raw HTML tags label, input, textarea, div, instead of helper methods. Use jQuery and JavaScript to handle the submit event and validate the required fields have been completed.
 - ☐ The comment form should include a hidden field for the **BlogPostId**.
 - ☐ The comment form should include a text box for **AuthorName**.
 - ☐ The comment form should include a text area for **Text**.
 - ☐ All fields are required. Error message(s) should appear if any field is left blank.
 - ☐ When the comment is successfully saved, store a message in **TempData["message"]**, redirect the user back to the **Blog/Index** action, and display the message in a bootstrap alert.
 - ☐ The admin should receive an email for each comment that is left.
 - ☐ The email should contain the Title of the blog post, AuthorName of the comment, and Text of the comment.

Screen mockup on next page

My Personal Blog



http://localhost



 My Personal Blog

Create Post

Title Goes Here

Edit Post

Thursday, 9/19/2019, 9:17 AM

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Tag #1Tag #2Tag #3

Read More...

9/20/2019 11:00 AM

Jim Doe: Second!

9/19/2019 10:00 AM

John Doe: First!

Read More...

Leave A Comment

Your Name

Comment

Submit

Title Goes Here

Edit Post

Thursday, 9/19/2019, 9:17 AM

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Site Map

