MSIS 3363: ADVANCED MIS PROGRAMMING

TTH, 12:30PM-1:45PM

FALL 2018 – KIM STROM;

ASSIGNMENT 2 (CHAPTER 2) - (30 POINTS)

Complete the following requirements. Zip all needed files and upload to the Assignment 2 dropbox. Due date of this assignment is indicated in Brightspace/D2L.

In this assignment, you will create the following 1-page web application. The first image displays the validation messages that should display in red to the right of the field in error. The 2nd image displays the sentence that should display when the SUBMIT button is clicked.

Use a TABLE to format the information on the form. Your table will have 7 rows and 3 columns.

The dropdownlist of Expense Types should be populated only the first time the page loads. All input fields are required. The Date of Expense should be of Type "date" and cannot be earlier than 1/1/18 and cannot be later than the current date. The Expense Amount should be numeric with 2 decimals (i.e., use the COMPARE validator). Use C# code in the clicked event of the SUBMIT button to concatenate the input values together as displayed in the image below. The CLEAR button should clear all input fields and set the Expense Type back to the first one in the list.

Create your own CSS file. Move all the "auto-style" classes generated when you resized the table to the CSS file as Class Selectors (i.e., the definition name is preceeded by a period).

Assignment 2 Checklist

- ☐ Create a Project (NOT a website) with a meaningful name.
- ☐ Add a webform with a meaningful name.
- ☐ Add aspnet.scriptmanager.jquery from the NuGet Packages.
- ☐ Add `<script src="Scripts/jquery-3.3.1.min.js"></script>` inside the <head> element.
- ☐ Add a stylesheet with a meaningful name.
- ☐ Add the link to the stylesheet inside the <head> element.
- ☐ Add the following to the webform:
  - ☐ Style the "Expense Reporting" heading with <h1>.
  - ☐ Insert a table with 7 rows and 3 columns.
  - ☐ Add a dropdownlist for Expense Type with a meaningful name.
    - ☐ Populate only the first time the page is loaded (i.e., !IsPostBack)
  - ☐ Add Expense Date textbox with a meaningful name.
  - ☐ Add Expense Description textbox with a meaningful name.
  - ☐ Add Expense Amount textbox with a meaningful name.
  - ☐ Add label to hold the sentence that concatenates all the input values together. Give it a meaningful name.
  - ☐ Add 2 buttons – submit and clear - with a meaningful name.
  - ☐ Enter C# code in the clicked events. Comment the code as you create it.
  - ☐ Submit button creates the sentence and assigned to the label.
  - ☐ Clear button clears all values entered and sets the dropdownlist to the first item in the list.
  - ☐ Add required field validators for all fields. Error messages display in red. Give them meaningful names.
  - ☐ Add a compare validator on the Expense Amount field to ensure only currency is entered. Give it a meaningful name.
  - ☐ Add a range validator on Date of Expense to check if the dates range between 1/1/18 and the current date (use `DateTime.Now.Year`). Give it a meaningful name.
  - ☐ Add comments to your html.
  - ☐ Add comments to your C# code.
  - ☐ Spellcheck the displayed webforms (manually or copy/paste into Word and run spell check)
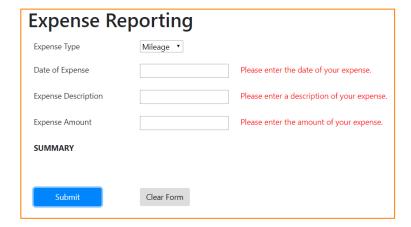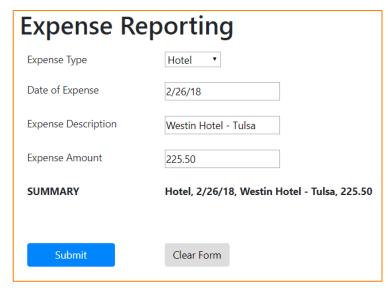
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BONUS POINTS (2)

You have an opportunity to earn up to 2 bonus points on this assignment by applying Bootstrap styles to make your form display as the ones below. Use the following Bootstrap classes appropriately:

1. Surround all the page (inside the BODY tag) with a <div> using the container class.
2. Surround your <for> with a <div> using the table-responsive class.
3. Use table, table-borderless, and table-hover classes on the <table> tag.
4. Use font-weight-bold class on the SUMMARY label.
5. Use the btn class on both buttons; use the btn-primary on the SUBMIT button.

Expense Reporting

Expense Type	Mileage ▾
Date of Expense	[ ] Please enter the date of your expense.
Expense Description	[ ] Please enter a description of your expense.
Expense Amount	[ ] Please enter the amount of your expense.
SUMMARY	

[Submit]   [Clear Form]

Expense Reporting

Expense Type	Hotel ▾
Date of Expense	2/26/18
Expense Description	Westin Hotel - Tulsa
Expense Amount	225.50
SUMMARY	**Hotel, 2/26/18, Westin Hotel - Tulsa, 225.50**

[Submit]   [Clear Form]

NOTE: A gray bar should display as you hover over each line in the table.

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Grading Rubric

Accurate information (no grammar or spelling errors)	2 points
Web page must reflect the look of the one shown above	5 points
Sentence created using C# code in the button clicked event.	10 points
Required, range and compare validators must display an error message in red when violated.	6 points
C# and html code must be commented.	2 points
All controls must have meaningful and consistent names.	5 points