

# CPSC 1520-Client Scripting With Javascript

Lecture5- Exercises- Oveeyen Moonian

# Lecture5-Exercise1-Form Event

1. Unzip the zip file for Lecture5-Exercise1
2. Run the HTML and Open the console pane.
3. Open the folder in VSCode
4. To the js file add a submit event handler for the form element. The event handler must:
  - ▶ Prevent the default action
  - ▶ Obtain the values of the title, amount and description from the 3 input elements
  - ▶ Use the amount to increment the value of the “budget-total” element and redisplay it.
  - ▶ Reset the form and send the focus to the title.
5. Add a function **createItem()**. It must have as parameters 3 values for title, amount and description. It creates a list-item element of the form shown below and adds it to the “current-budget” list element.

```
<li class="list-group-item list-group-item-action" aria-current="true">  
    TITLE HERE (AMOUNT HERE) - DESCRIPTION HERE  
</li>
```
6. Call the function **createItem()** from the form “submit” event handler, passing the appropriate arguments.
7. Add a function **updateTotal()**, passing an amount value as parameter. It must update the value of the “budget-total” element. In the event listener, use this function to update the total.
8. Add the “active” class to the list items on “mouseover”
9. Remove the active class from the list items on mouse-out.

# Lecture5-Exercise1B

1. To the js file for Lecture5-Exercise1, add the following functions:
  - ▶ a function **isEmptyString()**. It has as parameter a string. It returns **true** if the string is an empty string or contains only white spaces. Otherwise it returns false.
  - ▶ A function **isGreaterThan5()**. It takes as parameter a number. It returns **true** if the number is greater than 5. Otherwise it returns **false**.
2. In the event handler, for the form **submit** event, call the method **isEmptyString()** on all 3 input fields. Also call the method **isGreaterThan5()** on the value of Amount.
3. Make the call to the **CreateItem()** and **updateTotal()** only if none of the three textboxes is empty or contains only blank values and also if the amount value is greater than 5. You can make use of a Boolean variable.