

## Assignment 4: Web Components

**Marks: 8/10**

**Format:** Upload zipped folder containing all files to BlackBoard. Send me an email with a link to your working files online if you choose Option 2.

BE SURE TO PUT YOUR NAME IN THE FILENAME: e.g. Assign4-YourName-B.zip

**Purpose:** To review the creation of custom web components and the module design pattern.

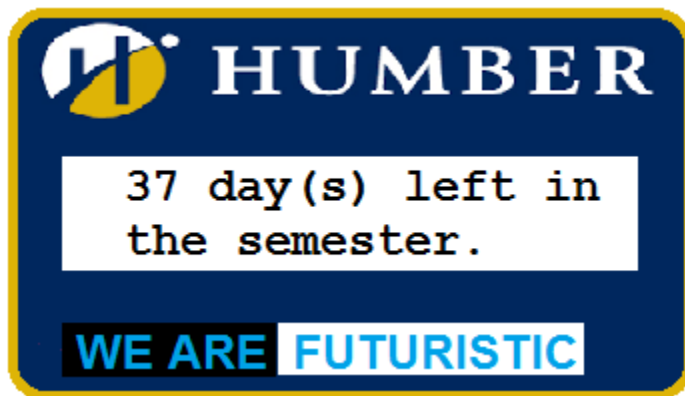
### SELECT ONE OF THE FOLLOWING TWO OPTIONS.

*Option 1 is worth a maximum of 8 marks; Option 2 is worth a maximum of 10 marks.*

#### OPTION 1: Create a Humber Countdown component (worth max 8 marks).

REQUIREMENTS: Using the provided code...

1. Create a template to match the provided specifications (see the following image and Additional Specifications at the end of this document).

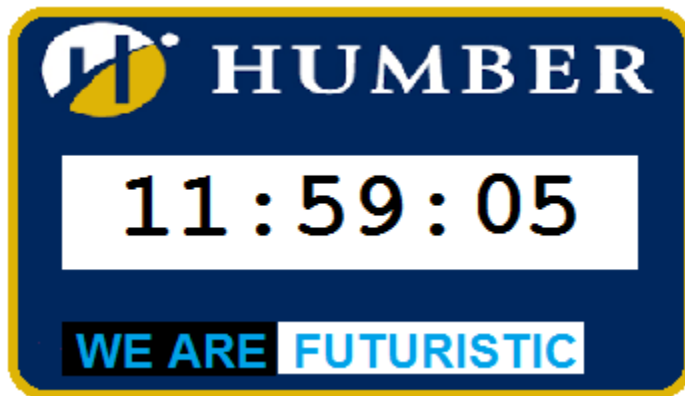


2. The template should display “**XX** day(s) left in the semester.”, where **XX** is the number of days until April 26, 2019 17:00.
3. The element should be called `<humber-clock>`.
4. The `<template>` will be in the included HTML document.

**OPTION 2: Create a Humber Clock web component (worth max 10 marks).**

REQUIREMENTS: Using the provided code...

1. Create a template to match the provided specifications (see the following image and Additional Specifications at the end of this document).



2. The template will display the current time updated every second.  
Note: “:05” in the image is not “5”.
3. The element should be called `<humber-clock>`.
4. The `<template>` will be in an external HTML file. This requires a few extra steps we did not cover in class.

**Additional Specifications for Both Options**

- `<template>` should be attached to the Shadow DOM
- Your main functionality will be in a custom module file.
- Logo is included in assignment folder
- Grab blue & gold colours from logo
- Black is black, white is white, light blue is #00A2E8
- width: 350px    height: 200px
- Use the template on the included web page and implement it (component should appear at the top right 20px in from the right and 20px down from the top; and should always be there, even if the user scrolls).