

Homework 2

Submissions due: Monday, 19 February 2017, 23:59pm

Peer reviews due: Thursday, 22 February 2017, 23:59pm

Requirements

Rework the static website you built in Homework 1 as follows:

index.html

Revise your *index* page based on the feedback you received in the peer reviews.

If you did not submit Homework 1, build a simple index page provides access to the *todo.html* and *todoForm.html* pages.

todo.html

Add the following features to your *todo* list items:

1. *Posted*: date when the item was first posted; set this date automatically
2. *Last Updated*: date when the item was last updated; set this date automatically
3. *Edit*: a button that makes the item editable in place (without leaving the page); pre-populate the edit form with the current data; prevent the user from modifying the *Posted* or *Last Updated* date; be sure to update the “database” (see below).
4. *Delete*: a button that deletes the item from the *todo* list

Add the following features to your *todo* list:

1. *Sort*: the user can sort the list by either *Posted Date*, *Last Updated* date, or *Due Date*. Allow the user to sort in ascending (older items first) or descending order (newer items first).
2. *Filter*: filter the list to show only completed or incomplete tasks (your page already has this capability; you may change how this feature is implemented)
3. *Dynamically built list*: Instead of putting the HTML code for the initial list items, build the list items dynamically using JavaScript. Store the data for the initial items in a JavaScript object (the “database”). You may want to store the selections for sorting and filtering as well. When the *todo.html* is loaded, call a Javascript function to construct the list items from the data.

todoForm.html

Add the following features to your *todo form*:

1. Check that the due date does not precede the posted date.
2. *Submit*: *Submit* button; when clicked, the new item is added to the “database” and the *todo.html* page is displayed.

Header

Make the header read “cmcs183: Homework 2”.

File organization

Folder structure:

- a) Put the html files in folder called cmps183hw2.
- b) Put your css files in a subfolder called css.
- c) Put your javascript files in subfolder called scripts.
- d) Put your pictures in a folder called images.

Keep this folder structure in mind when you define hyperlinks in your html files.

Submission instructions

- 1) Create a zip file for folder cmps183hw2.
- 2) **If you registered for Homework 1 then you are already registered for Homework 2.**
Otherwise, self-register for the assignment at Crowdgrader.org with this [sign-up link](#).
(https://www.crowdgrader.org/crowdgrader/venues/join/3653/wapeti_pacyde_tuzagi_zywape)
Important: Please, use your **UCSC email** address to register.
Then go to [this CrowdGrader assignment](#).
(https://www.crowdgrader.org/crowdgrader/venues/view_venue/3653)
Note: You will need to log in with the email address that you signed up with.
- 3) Click on the *Submit* link at the top left.
- 4) Attach the zip file you created in step 1.
- 5) Add any comments, if you wish, by clicking on *Edit Content*. Be sure to specify any information that a user should be aware of.
- 6) That's it.

If you cannot log in, most likely you signed up with a different email account.

Review Instructions

Part of the assignment (20%) is to review 4 submissions of your peers. A grading rubric is available on Crowdgrader.

The primary purpose of the review is to learn from each other and to give honest feedback.

To do the reviews go to the [assignment URL](#).

Collaboration

There is no issue with discussing the homework and possible solutions within your project team or other group. However, for the homework assignments [each student needs to write his or her own code](#). This is the only way you will actually learn how to do it yourself. If you cheat, you primarily cheat yourself.