

SP2 – HTML, CSS, Bootstrap, Javascript

This is an exercise where we only focus on frontend technologies. We are going to use data in a data javascript data collection that are not going to be persisted like we would do in a real application. The data only lives as long as the webapplication is running (and the page is not refreshed). This is because we focus on frontend this week and backend the next week.

You are going to create an application that can be used to administer a class of students with functionality like:

1. add students
2. remove students
3. list students
4. group students in to named groups
5. sort students by name
6. etc...

1 Setup the environment and html

First setup up an html page with links to the bootstrap cdns, your own ccs file and a js file. Check that it is all working. Create a navigation bar and a 2 column layout beneath. In the left column create an entry form to enter new students with information like

1. name
2. email
3. phone
4. category (level – red, yellow, green)
5. group name (if any)

In the right column create a table that can show all the students. With Column names and a good layout.

Javascript

Create an array of student objects to hold the data from the input form. So that multiple students can be entered into the system.

Create functions to

1. add student,
2. remove student,
3. delete all students
4. (optional) edit student
5. Create group of students (by adding group name to each of the selected students)
6. (Optional) Request help to a group from a tutor.
7. Populate an html table with the student data
8. Each row in the table should have small button to remove the student from the list (and possibly edit the student data).