

Homework React

Working with React JS

This is a very similar situation we had after studying React and the difference is that you would be dealing with total of enrollments for all the events/courses – For each event, you will present the badge, the Add Enrollment button, the Delete event button but you will also present the name of the event and at the top, you will present a heading and the TOTAL OF ENROLLMENTS (which is a sum of all the counters of the events/courses listed).

There will be 4 events/courses – see the id of each event between parentheses – each event will also have a counter that will start with 0 (zero) that will represent the number of enrollments:

- React JS vs Angular (id = 1)
- ASP.NET Core or Node JS? (id = 2)
- Lifecycle of React JS Components (id =3)
- Comparing JavaScript Libraries/Frameworks (id =4)

What you need to do:

You will build an app that will have the following behaviors:

- Show the list of events and a counter that will show how many people have registered for that event – they will all start with 0 (zero).
- If the user clicks on the Add Enrollment button of the event, you will see the counter value incremented by 1 and the Total of Enrollments at the top also being incremented.
- If the user clicks on the Cancel Event button, you will see the event being deleted from the list and the Total of Enrollments being decremented by the number of enrollments that existed before for that specific event that is being deleted (cancelled).
- You can use Bootstrap as we used for our application in the app of the lecture

Extra Credit (2 points):

You would read the events from a JSON file – you can prepare the JSON file that would have the ID of the event, the name of the event, and a counter that would start with 0 (zero) that will represent the number of enrollments. And this would be the starting point of your application instead of you having the events hard coded in the application.

Submitting your work:

After you complete your work, deploy your application in a web server or one of the cloud servers we have learned and you will write the URL of your application in the space provided following these steps:

1. login to the course
2. click on the Assignments link (found in the left side menu)
3. click on the link for the Homework React
4. click on the **Submit Assignment** button

5. Type or copy & paste the URL to both your pages in the box you will see and then click on the **Submit Assignment** button to submit your work.

Submitting your work using a .zip file – THIS WILL BE ACCEPTED BUT YOU WILL LOSE 1 POINT IF I RECEIVE A ZIPPED FOLDER INSTEAD OF THE URL OF YOUR APPLICATION

Checklist for grading:

1. The web page is showing with no errors such as NOT FOUND or FORBIDDEN – **2 points**
2. The application is working as requested (Add button, Delete button are working accordingly, the Total at the top is showing the total (sum) of the numbers on the counter badges) – **8 points**
3. If you did the extra credit, and IT IS WORKING, you will see the 2 points added to the final score