Activity 4 Part 3: Partial Page Updates with AJAX Button Grid

Ryan Coon

CST-350

Professor Donna Jackson

May 28, 2023

Screenshots:

A picture containing text, screenshot, software, computer icon

Description automatically generated

Here we edited the index.cshtml for the button grid to assign each button a number. We then wrote a function within the site.js to log onto the console when each button has been clicked by number.

A screenshot of a computer

Description automatically generated

Here we added a function to the site.js that will show us what button we clicked by id, and the color the new button will be changed to.

A picture containing text, software, computer icon, multimedia software

Description automatically generated

Here we added the current time to the top of the index.cshtml page then went into the site.js file to fix the ajax error called the “dynamically created button problem”. Once the fixed code was added the page works flawlessly.

Summary of Key Concepts:

In this part of the activity we learned how to build Razer pages, create partial views, and perform partial page updates. We started by initializing a function in the site.js file that logged to the console each time a button was pressed. The partial view we made was the ShowOneButton in which we used to do the partial update using AJAX to pass through and update the one button selected each time. We did run into the “dynamically created button problem” in which we clicked a button more that once, it threw an error. To fix this we had to bind all elements created after the page load to the click listener. Once we used the on() method, everything worked flawless without an error.