Event Capturing and Bubbling Phases and Event Delegation

Using the supplied files (html+css), build an external JavaScript file with the following specifications that will modify the web site as described below using Event Delegation and Capturing/Bubbling Phase control.

JavaScript Specifications

- Make sure that the bulk of the JavaScript is not processed before the DOM is ready
- Write your code in a way the works across browsers (including old IE).
- Add click event listeners to the body, the wrapper, section 2 and paragraph 3.
- You cannot use any events, other than those specified in the 2 bullets above
- Write an event handler for the body click event that will change the background color of the body each time it is called. Alternate between white and black
- Write an event handler for the wrapper click event that will change the background color of all the sections and the text color of all the paragraphs each time the wrapper element is clicked. Alternate background color between yellow and light blue and alternate text color between black and yellow.
- Write an event handler for section 2 that will change the height of the section each time it is clicked. Alternate between 25% and 20%.
  - If paragraph 2 is clicked or section 2 is clicked, only the above height changing handler should be called.
- Write an event handler for paragraph 3 called `changeMixBackground` that will change the background color of section 3 and text color of paragraph 3 each time it is clicked. Alternate between Yellow background with black text and black background with white text
  - When the paragraph 3 event occurs, only the `changeMixBackground` event handler should be called.

As usual, please upload your solution to Moodle so I can potentially give you feedback.

Extra experiments

- How does the behaviour of your app change when you have two event listeners for the click event on the body (both with the same handler) where one has capturing disabled, and the other has capturing enabled? How many times is the body event handler called when you click inside section 1?
- What if you just have one event listener for click on the body, but with capturing enabled?