

CSCB20 - Assignment 2

HTML, CSS & JavaScript

Context

Okayreads.com was so happy with your SQL searches, that they want you to design them a new website. You will be building a mock-up site that doesn't (yet) connect to the database, but will display the main functionality of the page.

Instructions

You can work on this assignment in teams of 2-3. Only one submission is required, but your `index.html` file must clearly identify all team members.

You should submit your file as a `.zip` or `.rar` file, including all files and folders necessary for your website. Your `index.html` file should include all team members names (as they would appear on Quercus) and student numbers at the top of the file as a comment.

Website

Your website must have at least the following elements:

- A navigation menu that sticks to the left side of the window in full screen, or across the top of the screen in mobile view
- A footer that sticks to the bottom of the page with the names of all team members who designed the page
- A main page containing 5 books of the week with images of each book
- A page for each book of the week that gives the details on the book and a summary (you may copy these details from other sources such as goodreads.com, and allows users to add a review of the book
- A page that allows a user to “log in” to the website (we won't actually check the name against a database, but we will need to remember this user's name and check if they are an admin
- An admin page that only appears if the log in name is “admin”, that allows the user to set the order that the books of the week appear on the main page
- A page that lists all the reviews of users for each book

Functionality/Design

A few things to note about this mock-up:

- Since you will only have access to local storage, the data will only exist on the specific computer on which this is running and isn't expected to be persistent
- Your page should use a sensible layout to ensure that everything looks good at any resolution, in both full screen and mobile mode.
- Your code (HTML, CSS and JavaScript) should be well documented, easy to read, and maintainable
- Your page should be responsive, giving feedback to the user when they perform actions such as clicking and mouseover on navigation items

Extension

You've learned that the people at Okayreads.com has asked multiple teams to build sample sites for them (in fact, rumour has it that they asked a whole class full of students, and they're passing it off as an assignment so that they don't have to pay them). So you're going to need to go above and beyond to get them to choose your page. Fortunately, we haven't been just learning the basics covered in class, we've been playing and experimenting with HTML/CSS/JavaScript, so now we get to show off all the neat stuff we've learned.

Marking

The assignment will be marked out of 20 on the following criteria (a rough rubric has also been provided):

- HTML (5 marks)
 - 5 = All components well designed, documented and formatted
 - 3 = All necessary components present and linked appropriately to page, HTML is properly being used for content and not style, media files stored in sensible folders
 - 1 = Some components present and functional
- CSS (5 marks)
 - 5 = Page looks great on any screen at any resolution, all css code well written/formatted/documentated, buttons and other elements are animated to show hovering and clicking, using flexbox or grid layouts
 - 3 = Page elements function as required, css files are stored in a separate folder, with distinct files for admin layout
 - 1 = Some use of CSS to make page look good

- JavaScript (5 marks)
 - 5 = Page is responsive and makes good use of JavaScript to manage/store information. Script is well written/formatted/documented and designed to be maintainable.
 - 3 = Page reacts as required, JavaScript files are stored in a sensible folder accessed appropriately
 - 1 = Some use of JavaScript to implement functionality
- Extension (5 marks)
 - 5 = WOW... these people really went above and beyond to make an impressive page
 - 3 = This group really wants us to use their page, they've added multiple features not listed in the original requirements
 - 1 = Neat, they added some stuff we didn't specifically ask for