Mini Cooper Makes and Models

Vue and Dynamic Content

Assignment Description

Time to put it all together! Use everything we've covered so far - SASS, Gulp, Vue, AJAX, databases and Fetch to create a dynamic one-page app based on our class build. Click on one of the Mini models to show more content / data about that model. You will be navigating around in your app using client-side routing and using Vue lifecycle hooks, components, and AJAX where appropriate.

Assignment Requirements

Create an AJAX request for the mini data housed in your database using the Fetch API or the XHTTP object. Use that application state to build out your application's view (the mini app splash/home page).

Your XHTTP / Fetch function should handle the stages of an AJAX request gracefully - give some feedback if the request fails (use separate functions / handlers for each stage of an AJAX request). Most importantly, handle failure first - what happens if you can't connect, if the resource is missing, etc. This is UX / UI - give the user some visual feedback.

If the AJAX request is successful, build out your view - the content of the page - using the response data (the application state).

Use components where you can - each car should be a component, with its own data. When you click on one of the cars, use the data associated with the selection to populate another view with that data (think lightbox, a slider / popover - whatever you like). There should be additional videos to view at this stage as well (you might consider using an additional AJAX request to a separate table at this point).

Create some additional UI where appropriate. Think about microtransactions and UI enhancements that can guide the user through this process.

Additional Requirements

1. Include a written plan / path with your submission. Analyze the requirements and provide the solution

2. Create a project repo and a Readme.md document for the repo with detailed information about the project

3. Use branches as appropriate with your project. NEVER work directly on the master branch

4. **Merge everything to the master branch** and submit a link to the dropbox on FOL

Submission

Homework must be submitted by midnight on the **Saturday of Week 9 (Nov 21)**
 - Github repo: readme.md file, master branch, design branch and development branch
 - correct structure for a web project (css, js, images and index.html)
 - Name the dev branches appropriately per feature IE **des**.tvr.artwork, **dev**.tvr.script
 - Submit the repo link via FOL dropbox

ONLY THE MASTER BRANCH WILL BE GRADED

Additional Information

Missed tests/exams will not be rescheduled without some valid evidence of some important event over which the student has no control (e.g., Court appearance, death in the family). Missed tests or exams, therefore, can receive a zero. The students are advised to notify the professor prior to missing the test.

Students are expected to hand in all assignments to the course instructor on the due date, and all assignments must be submitted in the format specified by the instructor (e.g., on FOL, in printed form, on a specific lab computer, etc.); assignments will not be accepted in any format other than that specified.

Late assignments will not be accepted, nor will make up test or assignments be permitted, without some valid evidence of some important event over which the student has no control (e.g., documented illness, death in the family). Missed tests or assignments, therefore, will receive a mark of zero. Late assignments and make-up tests will only be permitted following the submission of adequate documentation acceptable to the instructor (e.g., a doctor's note). Students are advised to notify the instructor prior to missing an assignment due date or a scheduled test.

Immediately upon return from an illness/absence in which a test or assignment has been missed, the student is responsible for contacting the course instructor to discuss the problem. The instructor will make arrangements for any student deemed eligible. The alternative test/assignment will be of equal value to the one missed with no grade penalty. The timeline and due dates will be determined by the course instructor.

At mid-term, any unsatisfactory results will be reported to the student.

This course may be revised by the professor with suitable notification to the students. Students are responsible for making arrangements to pick up missed handouts, assignments and course announcements from classmates.

Plagiarism (e.g., failure to acknowledge sources used, submitting another student's work under your name, or producing work for another student to submit) is a serious academic offense that shall result in appropriate penalties, to be determined at the discretion of the course professor in consultation with the chairperson of the Communication Arts division. The penalties shall range from failure of an assignment to possible failure of the course. Students shall not make the assumption that any provision will be made by the professor to permit the student to rewrite or redo failed assignments.