V SCHOOL

JavaScript Pre Course Project

Objective:

Before you begin, it's important to understand why you're required to do this project in the first place. So far you've shown promise in your ability to think critically and logically and have proven to have the motivation and personality required to succeed in your journey to learn to code.

This project is a way to show us that you've put in the time necessary to understand the basics of programming and web development. It helps us ensure that everyone is on similar grounds for the first day of class.

Once your project is complete, *you will be required to meet with someone from V School to walk through the code in your application and demonstrate a solid understanding of the code you wrote.* It will be important that you spend a good amount of time not just writing the code, but being able to *understand and explain* why you wrote the code you wrote.

Project Description:

You will create a simple webpage that meets a list of requirements. This video will outline and give examples of what needs to be done.

https://www.youtube.com/watch?v=uF4FVDLA0EY

Project MVP (Minimum Viable Product) requirements:

This video goes over a few projects that you could potentially make. Each project has examples of concepts that your project will need to have. You may pick to build one of these projects, or come up with your own. If you pick a project other than the ones here, you must run it by V School for approval.

The concepts are:
- for loops
- conditionals (if statements)
- arrays
- strings
- event handlers
- css/js files

- functions

It is ok to build arbitrary, or seemingly useless features into your project to show that you understand these concepts. You will see a couple examples of that in these projects too.

If one of the features in the examples are arbitrary, feel free to not make that feature, but make sure that you show us that concept in another way.

Project Resources:
- A text editor. We suggest Brackets because of its "Live Preview" capability, but any editor will do just fine.
- The Slack Pre-course Room, where you can ask questions from instructors and other students as well as bounce ideas off one another.
- Chrome Developer Tools
  - https://www.youtube.com/watch?v=FQKvro1Wz-E
  - https://developers.google.com/web/tools/setup/workspace/setup-devtools
- Tutorials:
  - Lynda.com Essential Trainings (Follow this link to get instructions on how to log in first!)
    - HTML Essential Training **(5 hrs 55 min)**
    - CSS Fundamentals **(3 hrs 14 min)**
    - JavaScript Essential Training **(5 hrs 31 min)**
    - JavaScript for Web Designers **(2 hrs 57 min)**
  - Bootstrap
    - Bootstrap Grid System Video Tutorial
    - https://getbootstrap.com/examples/grid/
    - https://www.youtube.com/watch?v=no-Ntkc836w
- V School Tutorials:
  - http://coursework.codingcamp.us/javascript-and-jquery/
  - http://coursework.codingcamp.us/colored-boxes-tutorial/
- Google!
- Optional: jQuery

Project Presentation:

Upon completion of your Pre Course Project you will need to present it to your course lead instructors. This presentation must be done in person if possible, but is allowable Online if you live more than 50 miles from the V School Provo office. Please follow the link below to schedule your presentation date. You are welcome to schedule your presentation date ahead of time:

https://vschool-phase3.youcanbook.me/

DON'T PANIC

If this is your first exposure to writing code, this may seem a bit overwhelming. We recommend starting with the Lynda.com "Essential Training" tutorials found in the Project Recources section above. The tutorials, while lengthy, are very good, and watching them will help you be much more prepared to hit the ground running on the first day of class.

If you hit a wall, reach out to V School or other students in the Pre Course Slack room!! We aren't off limits – we won't write the app for you, but we would love to help get you moving in the right direction.

The best way to submit your final project is in a gist. Make sure you have a GitHub account and make one there.

Good luck!