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 for a Pre Course Project Evaluation to walk through the code in your application and demonstrate a solid understanding of the code you wrote.* **You must pass this evaluation to participate in class start date and location you are attempting*.** 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.

DO NOT quit your job until you've passed your Aptitude Test and Pre Course Project Evaluation*

*For more information on protocol for students who fail their Aptitude Test or Pre Course Project Evaluation, in your Enrollment Agreement, see section: **INSTITUTIONAL POLICIES, TERMINATION RIGHTS AND REFUND POLICY:** Course Prep Tools.

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. You do not need to make these example projects specifically, and we encourage you to come up with your own ideas for your pre-course project, so long as they satisfy all of the requirements listed below in the "Project MVP requirements" section.

Pre Course Project Examples

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 may want to run it by V School for approval if you're not sure if it satisfies all of the requirements.

The concepts are:
- for loops
- conditionals (if statements)
- arrays
- strings
- event handlers
- separate css/js files, linked to the HTML through the appropriate tags
- 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:

(Remember these are resources. **You are not meant to complete every single one, the goal is to learn the basic skills you'll need to build your web page and features reflecting that you understand the concepts above.**)
- 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
  - Code School Chrome Dev Tools Course
  - https://www.youtube.com/watch?v=FQKvro1Wz-E
  - https://developers.google.com/web/tools/setup/workspace/setup-devtools
- Tutorials:

Start with Codecademy ☺ **then move on to the other tutorials if you need more clarification.**
  - **Codecademy**
    - **Learn HTML & CSS**
    - **Make a Website**
    - **Pure JavaScript**
    - **Make an Interactive Website**
  - 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)**
  - ○ V School Tutorials:
    - - JavaScript and jQuery
    - - Colored Boxes Tutorial
- Google!
- Optional: jQuery

Project Presentation + Evaluation:

Upon completion of your Pre Course Project you will need to present it to your course lead instructors. You will need to be able to talk through your code and display that you have an understanding of each of the concepts that you are required to have in your project.

This presentation is usually done over Google Hangouts (you'll get a link from the person doing the evaluation), but can also be done in person if you'd prefer. Please follow the link below to schedule your presentation date.

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

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 Resources 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.

Good luck!