**Site Title**

JavaScript 123! – JavaScript Tutorial website

**Development Roles**

Vanu – Co-Developer | George – Co-Developer

Each party contributed equal shares to the development of the website in terms of time spent working upon it and content/type of content produced.

**Need**

JavaScript tutorial websites often overwhelm their users with content, preventing effective retention of knowledge. ‘JavaScript 123!’ breaks this process down into three simple steps. An understanding phase in which the JavaScript element is explained, a learning phase in which the student is able to see how the code is written, and a confirmation of knowledge phase in which the student is tested on what they have learned.

This allows for the most efficient retention of knowledge, so that the student can go on to apply these skills themselves.

**Focus**

This site will be an easy to navigate, centralised hub of information for basic Javascript development with a simple 3 step approach to learning.

**Main Elements Outline**

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| Headers | The Header will contain the logo, the title of each page and the main navigational menu. |
| Footers | A fixed footer will be attached to each page. Contained within this will be contact details and copyright information. This content will be contained within a list. |
| Sections | Sections will be used as the main container for the articles with further divisions made within the section. |
| Flex container | This designation will be placed inside a CSS class and applied to the tutorial content sections. This will allow for easy and non-disruptive placement of tutorial content. |
| Nav | A horizontal Nav bar will be placed at the top right corner of every page, with a lessons button, an about button and a home button. In addition to this, a vertical nav bar will be placed upon the main page and each of the learning pages to allow for quick navigation to tutorial content. |

**Content**

The website will contain tutorials for the following JavaScript elements: Variables, datatypes, Loops, Conditions, Strings and functions. The tutorials will be contained within section elements . Each section will possess an Understand, Learn and Confirmation division. Understand will primarily be a description of the JavaScript element. The code will be contained within the Learn section. Finally, Confirmation will contain a number of questions to test the learner on the material covered within the tutorial. There will also be a main page with the Javascript 123 logo upon it which introduces the tutorial website. An about page will contain the contact details of the authors and a description of their mission.

**Target Audience**

The target audience for this website is anyone who has no JavaScript skills but would like to develop them. Ideally, a website user would have a rudimentary knowledge of coding.

**Design considerations**

The website will have a clean minimalistic appearance to intimate to the user that it is a professional place of learning. Gentle colours such as light green and light blue will be used to give a sense of ease to the user. The learning pages will be clearly and consistently divided into stages to give continuity in learning to the user. This will allow the user to learn in a structured manner which will allow them to more effectively retain knowledge. Each tutorial will also have a quiz section to ensure the user understands the material they have learnt before moving on. A quick link on the side of the page to other tutorial topics will also allow the user to approach new topics with ease, facilitating learning at the users own pace.

**Limiting Factors**

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| Time | The website must be developed over a limited time period of 3 weeks. Due to the volume of tutorial content that needs to be generated, a consistent page framework must be developed. This will ensure ease of adding data. |
| Language | The website is written entirely in English, preventing non-English speakers from accessing its content. In future versions, the website could incorporate an options to be displayed in alternate languages. |
| Accessibility | The website could have a colour scheme specific to people with visual impairments such as red-green colour blindness in future versions. This would increase the ability of the website to reach a wider audience. |