

Project Proposal Skillit website Proposal

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1. INTRODUCTION

This initial proposal is for a website to be implemented for the client. The aim of the website named Skillit as in skill-it to help users to start with web development and learn key skills necessary for web development. The business will follow subscription and advertisement model. The first lesson will be free and afterwards, users will have to pay a fee for using one or more modules on the website. This website is a response to the high demand for web development. Providing a cheap alternative to people who do not have access to a costly education degree. And people who want to improve their employability.

2. WEBSITE OVERVIEW

The purpose of this website is to help beginners and people with no assumed background in web development to start learning the fundamental of web development. **The business purposes** will be achieved by following both subscription model and advertisement model. **The targeted audience** will be people who are in Information technology, web design, UI design and UX design type of roles or new professionals trying to enter into these roles. In addition to current and future students, teachers and tutors.

3. TECHNOLOGY OVERVIEW

During design and implementation of the prototype, I will use all the W3C web standards to make the website meet with all the present and future needs of the business. I will use HTML 5 to markup the content and use external CSS to style all the pages. I will use JavaScript as my programming language to implement all the functions and make the website interactive and responsive.

The importance of implementation of web standards for this website results in:

- Improve the accessibility of the website
- Reduce page weight. Browsers take a less time to load the page.
- Interoperability. Different browsers can access this website.

The use of development language is justified since I want to make my website interactive, responsive, and future compatible.

4. DESIGN

4.1. SITE MAP

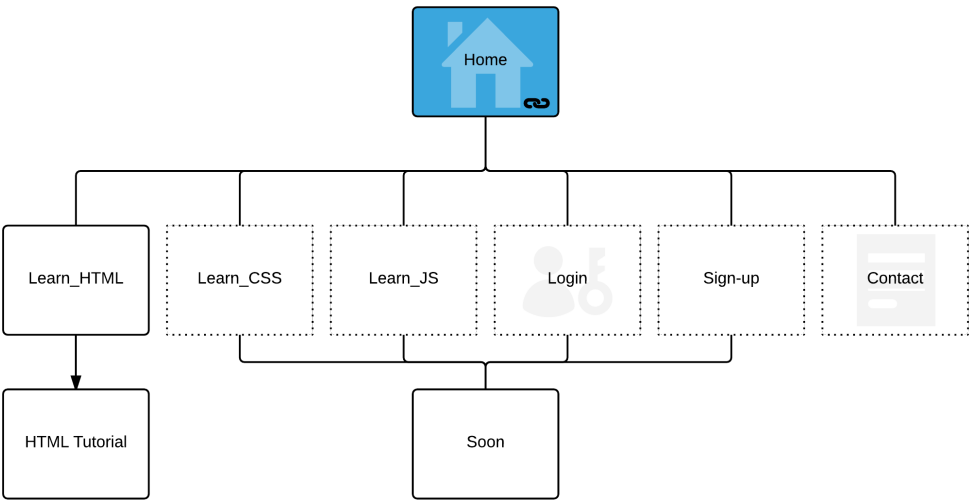


FIGURE 1: WEBSITE MAP

4.2. WIREFRAME

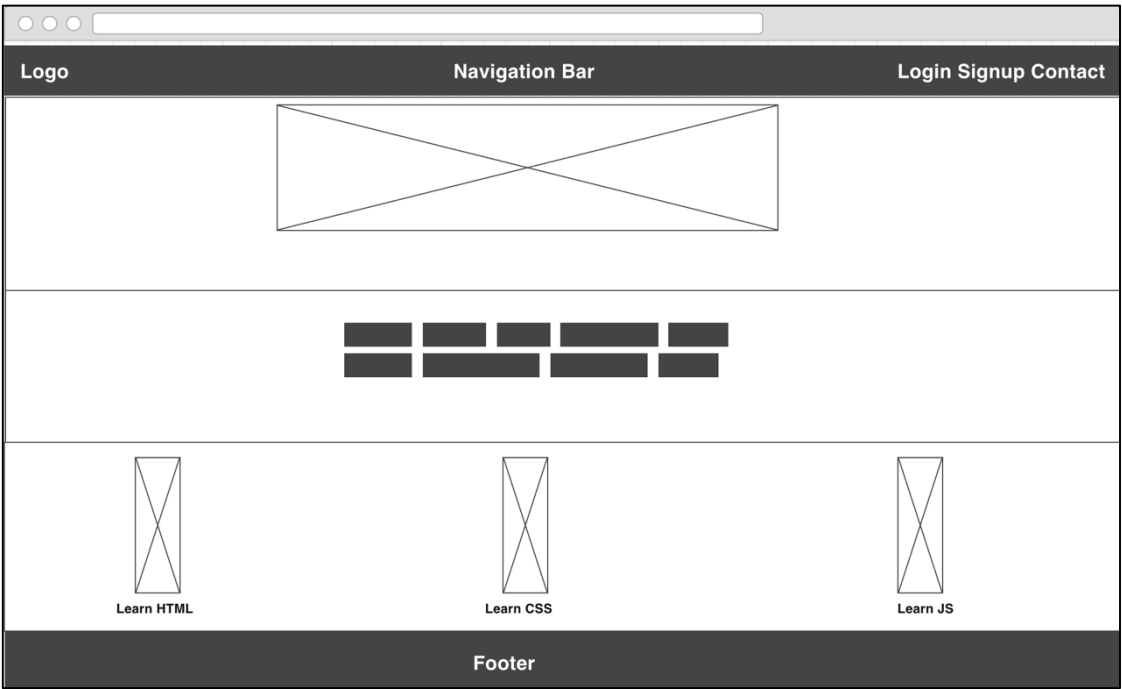


FIGURE 2: MAIN PAGE WIREFRAME

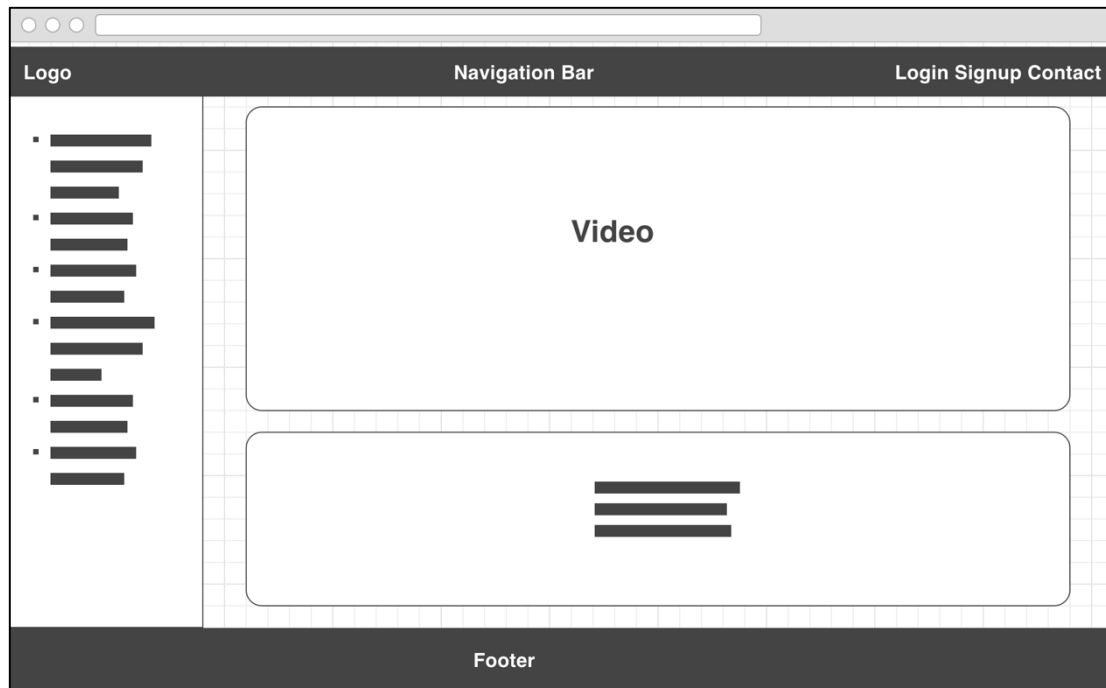


FIGURE 3: LEARN A SKILL PAGE WIREFRAME

4.3. COLOR SCHEMES

The following color scheme were used in the website design:

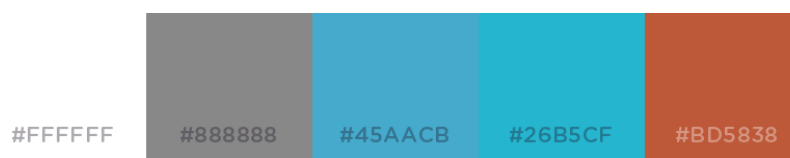


FIGURE 4: COLOR SCHEME USED

4.4. DEPLOYMENT ENVIRONMENT

Most of the development for this prototype was done with the consideration of making this website compatible with all browsers and operating systems alike. So the prototype is platform independent and can easily be rendered by all browsers. After significant progress, website files would be uploaded to my UQ student allocated server for testing. Skillit can be accessed via the following link:

<http://infs3202-pmntc.uqcloud.net/>

4.5. JUSTIFICATION OF THE DESIGN OF THE INTERFACE

The design I used was chosen after user research, client interviews and market research on existing websites and businesses. I have used a minimalistic and clean approach in designing the websites to save the user time and confusion in finding the content. This design is subject to changes as more and more user tests and user validation will be performed. I choose a clean minimalist one-page design inspired from bootstrap themes.

5. FUNCTIONALITY

5.1. CLIENT SERVER COMMUNICATION

5.1.1. Online Live Support Feature

This feature will allow users to get live support from Skillit team when needed. Whether they have inquiries about course content or general inquiries. Clients will send a message will be delivered from client side to server side using XML data exchange format.

5.1.2. Progress Bar Feature

This feature will show a progress bar that indicates what percentage of a course is completed. This information will be stored on the server for each individual user. JSON data exchange format will be used for sending data from client to server since it is faster and easier to implement in JavaScript.

5.2. PHP/JSP

5.2.1. User Login/Signup Feature

A login and Signup feature will be implemented using PHP Post method and JavaScript will be used to validate user input before submitting details. Since user information is sensitive, PHP Post method will be used to send/retrieve data from the database.

5.3. ADVANCED JAVASCRIPT

5.3.1. Drag and Drop Code Pieces Feature

This feature will help users starting with coding. Instead of starting with writing code immediately, users can create basic code by dragging code blocks and dropping them as in a puzzle game.

5.3.2. Third-party Shopping Cart Feature

This feature will use a third party JavaScript plugin for payment processing. When the user chooses to pay for a membership, they will have to add it to the shopping cart, which then they can select a form of payment and pay for the membership.