

Occupational Specialism

Task 1 Design Document

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Activity B

Introduction

In this document, I will lay out my digital solution to the client's (GibJohn Tutoring) problem. They want me to design a product that can: provide users with access to learning resources, provide customers with access to digital content to help them learn and understand different subjects, and provide supported assessments and to monitor the user's learning progression.

Languages:

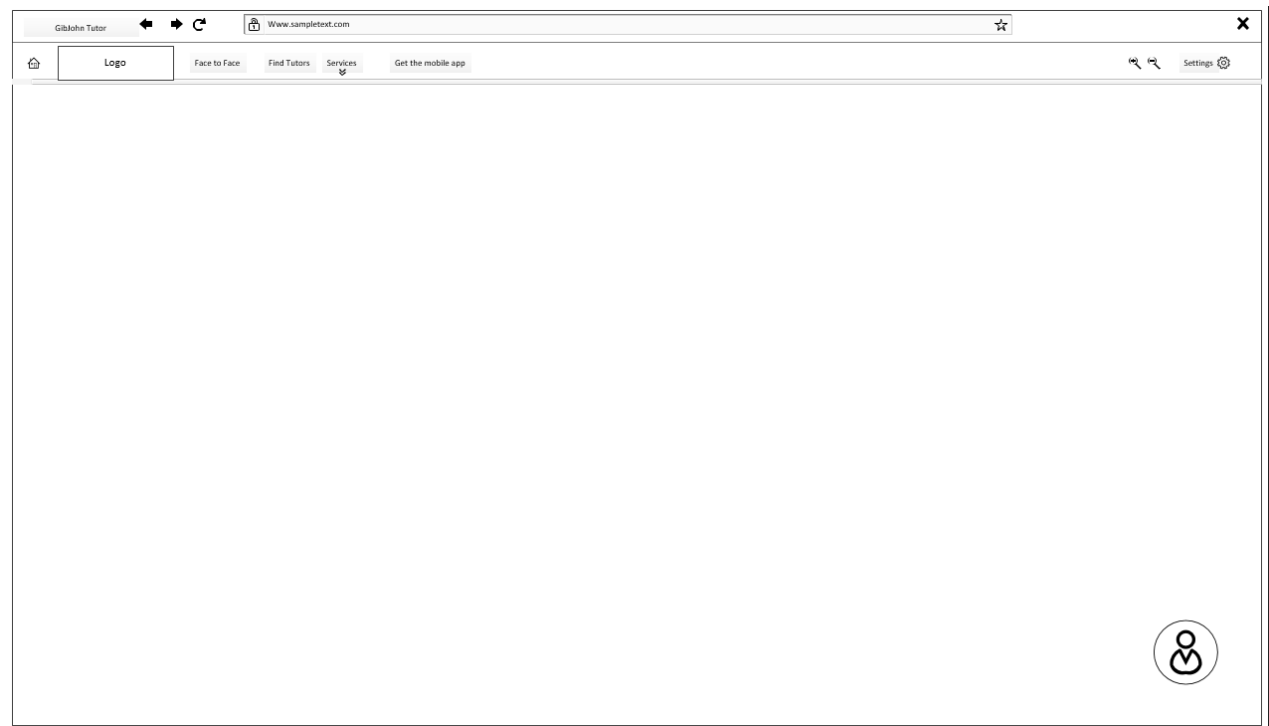
HTML – Will be used to create the website

JavaScript – Will be used to add dynamic features to the webpage and allow users to create and account

Design

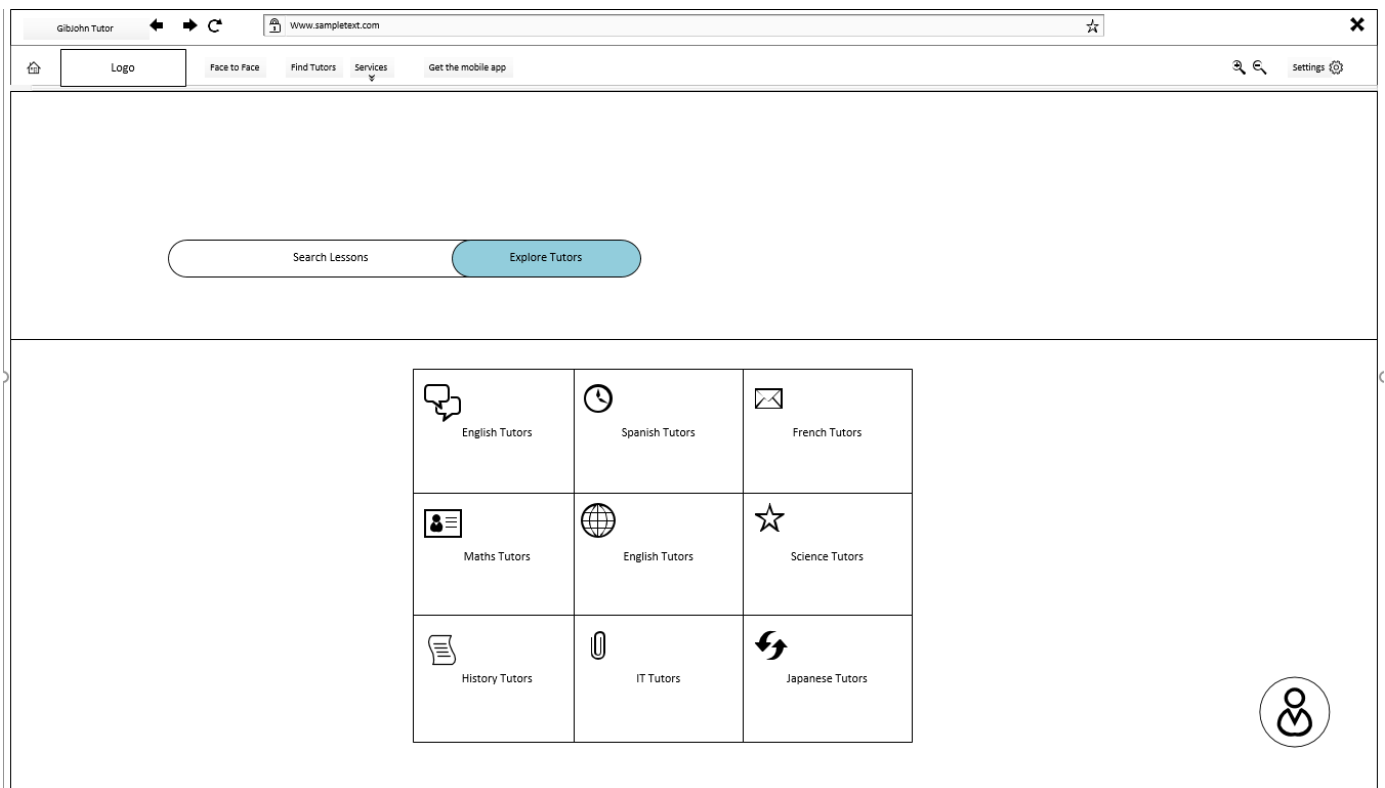
I have made a quick wireframe outlining key aspects of the main page for the website, along top will be the navigation bar. This will contain a series of buttons one being a drop down to add some dynamic features to the webpage, in the top left corner will be the logo of the company.

In the top right I have added a magnifying glass to enable users with visual difficulties to increase the size of the font on the page, next to it is the settings button that will drop down allowing you to customise the page. This will include a dark mode and colour-blind setting.



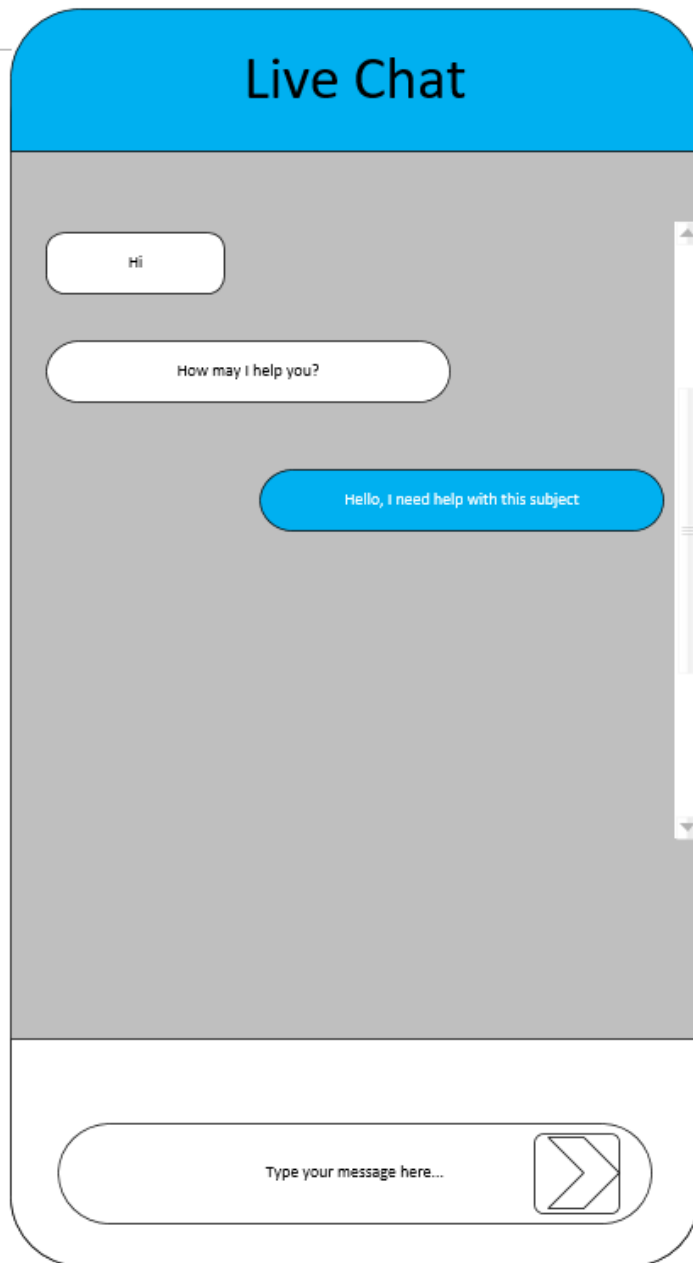
Initially i thought of having a pop outside navigation bar using JavaScript, however I thought the overall design would be taken up by the side navigation bar and have decided to go for the standard type of navigation bar whilst still including some JavaScript within the top nav bar.

I have decided to add some buttons in the middle of the page that will take you to different subjects that you can choose from however this may change soon.



I have included a search bar so you can quickly and easily find what lesson you are looking for.

In the bottom right will be the button to contact the live chat, I have designed a quick wireframe for the design of the chat.

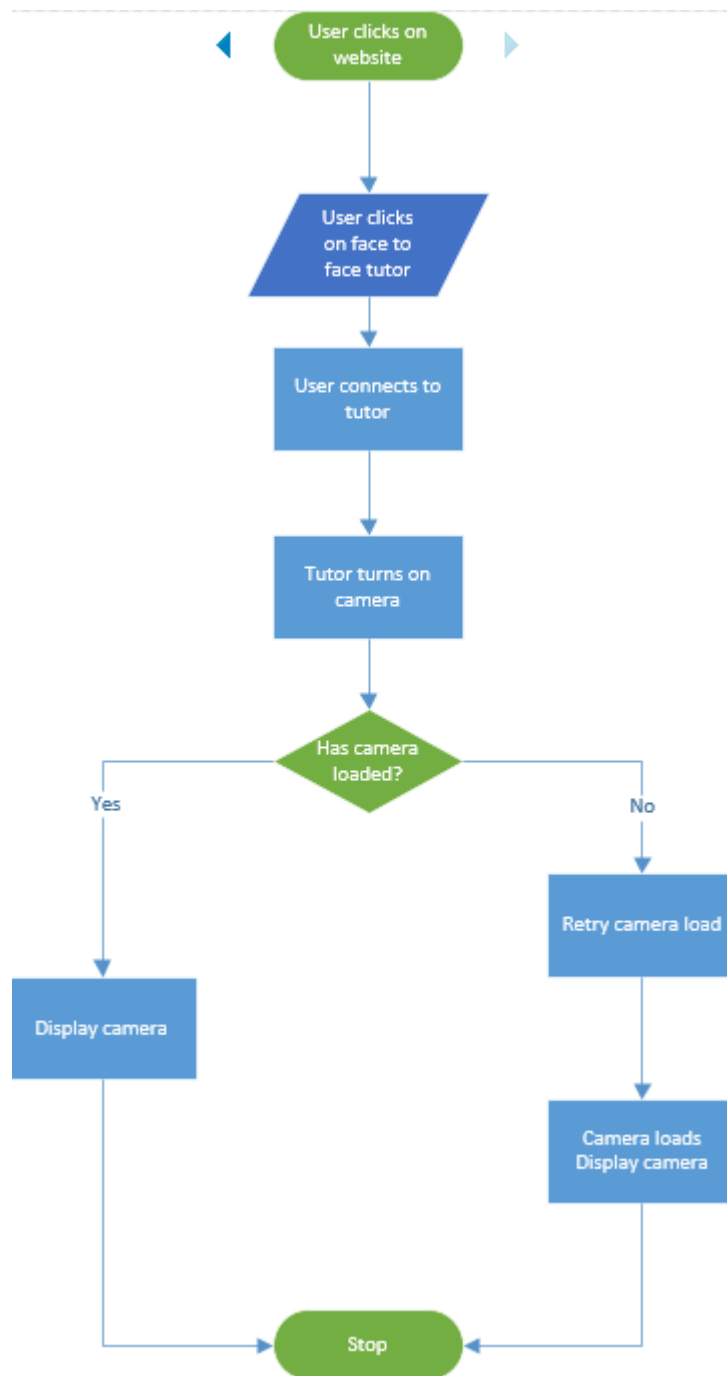


Data Requirements

The following data types will be used:

- Strings: used to store information such as login credentials, passwords, emails, and other text-related data.
- Floats: utilised to store decimal numbers, such as cash, because they are not whole numbers.
- Boolean: true or false to allow data to flow in and out at different times. Incorrect passwords, for example.

Algorithms



Test Strategy

Component to be tested	Test case	Test steps	Test results
Launch website	Verify the website launches and can be accessed	1. open the index html file.	1. User navigates to index file and opens it. 2. website loads Home page displayed