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**Major Development Project**

**Assignment 2 – Product Demonstration and Documentation**

Student number:570421

Submission Date:

Word count:

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# Project Introduction

The document presented is the design document for Hull College chatbot. The document shows the considerations taken when developing and designing the whole project.

The project will be a chatbot that will be able to answer questions about the client (Hull College). The project will have the capabilities to be added to their existing systems with ease.

# Pseudo code

# Flowcharts

# Class diagram

# Visual elements

## Colour theory

The colours that were chosen are mixtures of green and blue. The reason these colours were chosen specifically is that green typically represents new growth and new beginnings. Green can also represent a calming atmosphere, in contrast to this blue also represents calming attributes such as the feeling of responsibility, friendliness and peace. The web app portion of the project will mostly use light blues and greens as they provide the most relaxed and calming environments. Considering the project will be used in an education environment, the developer thought these colours would invite students to use the system.

The system also uses a white that has a tint of blue to use for a background, as they allow for text to stand out. Text colours will widely depend on what colours the text is above, if the colour is a dark colour, then text will be white, then if text is a light colour, then it will be black. Have text colours like this will then help users who may struggle to read from different contrasts. Some elements may also use a dark shadow to make some elements pop up, but will not affect elements like text and buttons, this way users will still be able to take existing elements of the project.

A blue background with black text

Description automatically generatedAll colours and Hex codes are shown in the image below.

## Web Wireframes

Below are web frames that shows how the project will look to user once implantation. All web frames have a low-fi and a high-fi virent. The low-fi diagram shows a simple design that only shows the base design with elements the user may need to use. The hi-fi shows all colours and possible fonts that the colour

### Low-fi

A screenshot of a wireframe

Description automatically generated





### Hi-fi



A diagram of a chat

Description automatically generated

# Project structure diagram

A diagram of a computer

Description automatically generated

# Testing log

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Num | Test name | Data | Expected outcome | outcome | Success | Actions |
|  |  |  |  |  |  |  |

# Bibliography

Chapman, C. (2021). *Color Theory for Designers, Part 1: The Meaning of Color* [Online]. Available at:[*https://www.smashingmagazine.com/2010/01/color-theory-for-designers-part-1-the-meaning-of-color/#:~:text=Green%20(Secondary%20Color)%20%23&text=It%20can%20represent%20new%20beginnings,of%20the%20energy%20of%20yellow*](https://www.smashingmagazine.com/2010/01/color-theory-for-designers-part-1-the-meaning-of-color/#:~:text=Green%20(Secondary%20Color)%20%23&text=It%20can%20represent%20new%20beginnings,of%20the%20energy%20of%20yellow)[Accessed: 19/04/2024]