

# **Project (First Part)**

## **Global report of group 2**

TECAA

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# Revision History

Revision	Date	Author(s)	Description
1	2024-03-16	Isabel	Initial version
2	2024-03-19	Pedro Simões	Extended description



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# 1 Introduction

Introduction



## 2 Hands-on

Our hands-on will be centered around helping color blind people. We will be showing people how to implement a color picker on their website for color blind people to choose a color where they can clearly see the content of the website. This feature can also be applied to any website that possesses a image-less background.

### 2.1 Technologies

To create the hands-on, a word document was created that explained the whole process of implementing the feature. From importing an existing project to implementing the wanted feature on the project's initial page.

During the hands-on, the student should import the project from a git repository and edit it, adding the necessary lines of code for it to work properly. To access the git repository the students should interact with GitHub and for editing it, we personally used Visual Studio Code editor. They should also have Hugo and Go installed which would require the use of Chocolatey.



## **3 Documentation site**

The documentation website will have six different pages, each specifying on a different subject that helps the user work with the provided them and adding some customization of their own.

### **3.1 Theme selection**

The chosen theme will be Lotus from the Hugo templates. Lotus provides a solid template that allows us to teach and show the content with ease.

Our website will be about helping people customize and deploy their websites. It will also teach the users on how to improve their accessibility a little by teaching them how to allow for the user to also customize the website on their own, according to their will.

### **3.2 Structure/pages**

There will be 6 tabs on the website, About, Color-Picking, Deployment and Setup. The About tab will have an accessibility statement and the information of the developers. The Color-Picking will teach on how to implement a color-picking option on the website to improve accessibility. Deployment will teach on how to deploy the website from that template. The Setup will show how to setup the project and how to get it running before anything else. Two of them (Color-Picking and About) have a secondary page where the content about implementation is explained.

### **3.3 Searching**

When developing the website and it's pages, the team searched through the existing content from the template and created their own pages. When faced with a problem, it was taken to the internet for solutions, sometimes with the use of Artificial Intelligence to solve certain problems.

## 3.4 Deployment

blabla

## 3.5 GQM

Developing this project some goals, questions and metrics were defined in order to achieve the desired result. The goal was defined and, then, the questions and metrics too:

1. Teach the users how to create an website with the same functionalities as the presented one, as well as giving them the tools to customize it further.
  - a) How big does the website need to be?
    - i. How big is the normal documentation website.
    - ii. The quantity of content that needs to be taught.
  - b) Do the users learn easily from these kinds of websites?
    - i. Quality of the documentations websites.
    - ii. How clear the information is displayed.
    - iii. How easy it is to follow.
  - c) How can the website be accessible to the various types of users?
    - i. How readable are the letters for the users.
    - ii. The contrast on the background and the letters.
    - iii. The capability for the user to change it according to his type of vision problem.

## 4 Work distribution

Here, the work will be divided by the elements of the team having in mind a fair distribution of work, as well as a quantity of work where each member makes a difference.

The work will be distributed in the following way:

- About: Pedro Martins
- Setup: Pedro Simões
- Color-Picking: Ricardo Mascarenhas
- Deployment: João Martins





## 5 Conventions

When making a commit, the group did not have any formal convention for the messages. It was only described what part of the website was changed and what was done to it. Although there was no clear convention for this, the group was organized by their pages and, therefore, did not touch each other's content. If something like that was to be done, the person, could inform the others of the situation and what was done.

### 5.1 Plan

Blabla

### 5.2 Answering questions

To answer the first question, each member of the group divided their parts into how many they thought was needed, making how many pages as they thought fit but having in mind that they shouldn't be too extensive so that the user does not get tired from reading them.

The second question was answered through the use of the hands-on. The users being able to complete the hands-on with the help of a document and a website showed that that model was a valid one to reach the goal.

Lastly, for the website to be accessible to various kinds of users the color-picker was implemented so that they can adjust the letters and background of the website to their preferred one. This functionality was made so that the website was more accessible especially to color-blind people.

### 5.3 Analysing goal

On the presented hands-on, the users were taught how to implement the wanted functionalities and generate the wanted website. Now, this website was made following a similar format to the hands-on, teaching them how to create and customize it. It is also

## 5 Conventions

explained how to use certain tools that the website possesses so that they can do whatever they please with it.

## 6 Conclusion

Blablabla



## References