

29.06.2021

**Documentation**

AQUA Project

Team TheFishers

**PRESENTED BY**

TheFishers

**WORK WITH**

GitHub

**REPOSITORY**

AQUA-theFishers

Table of Content

[AQUA PROJECT 2021 3](#_Toc70194243)

[Information and Development of plan 3](#_Toc70194244)

[Roles in the team 3](#_Toc70194245)

[Introduction 3](#_Toc70194246)

[All tasks to perform 4](#_Toc70194250)

[Block diagram 5](#_Toc70194254)

Funcions in the c++ program 6

# AQUA Project 2021

# \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Information and Development of the plan

**The idea OF THE PROJECT**

### Our project is a website and C ++ program that provides information about fish, what they are endangered and how to protect them in their natural environment

**Roles in the team**

|  |  |
| --- | --- |
| № | Roles in the team |
|  | Stoyan Ponchev 10G – Scrum Trainer & SQL Developer |
|  | Peter Petkov 10G – SQL Developer |
|  | Tereza Opanska 9V – C++ Developer |
|  | Aleksandra Staykova 9V – JavaScript Developer |
|  | Zhivko Spasov 8G – HTML & CSS Developer |
|  | Soner Solakov 8A – Designer |

### 

**Introduction**

|  |  |
| --- | --- |
| № | Introduction |
|  | What is the product?  The idea is - an application with up-to-date and organized information about the species of endangered marine life. We also built an easy-to-use site that is based around the app. |
|  | Where is it available?  Our collaborative work took place in **GitHub** and in order for the files to be accessible to everyone they were uploaded in the GitHub Repository of our project.  **Link** - https://github.com/SMPonchev18/AQUA-theFishers |
|  | Communication?  Communication is realized through **Microsoft** **Teams**. Thanks to all the features and the provided visualization - on-screen communication and feedback are sufficiently complete. |
|  | What technologies are used?  The technologies used are **Visual Studio Code** as code editor, **HTML**, **CSS**, **C++** and **JavaScript** are the languages with which the code is written the website, **GitHub** for collaborative work, **Microsoft Teams** - connection and communication, **PowerPoint** - preparing a Presentation, **Word** - preparing Documentation, **Excel** – preparing able with functions and **Photoshop** – photo and graphic processing |

**All tasks to perform**

|  |  |
| --- | --- |
| № | Completed tasks |
| 1 | Create a home page and Navigation Bar  The home page contains a logo, navigation bar, main image, short text, benefits from our website, text for tech and water. |
| 2 | Create an About us page  About us page contains our mission and short information about our team. |
| 3 | Create footer  Footer contains all the social medias and the copyright symbol. |
| 4 | Create Contact page  This page contains a contact form with which you can easily ask any questions. |
|  | Create App page  From the app page you can easily download our app with the click of a button. |
| 6 | Create Subscribe page  The subscribe page contains short text and a subscription form. |
| 7 | Create Log in page  There you can login at our site you must fill in your username and password. |
| 8 | Presentation  The presentation isn’t automated. The presentation is about our work, the process of work and our future plans. |
| 9 | Documentation  Periodically made documentation describes the whole work and process. |
| 10 | Block Diagram  The block diagram is a visualized, sequential representation of the code. |

### 

### \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

### Block diagram

### 

### Funcions in the c++ program

### Functions from menu.h

|  |  |  |
| --- | --- | --- |
| Function name | Function type | How is it used |
| printMenu () | void | Prints the menu out. |
| askForStatus () | void | Asks the user for their position. |
| inputStatus () | string | Allows the user input their position. |
| inputChoice () | int | Allows the user to enter the option of their choice. |
| choice (int user\_choice) | int | Depending on the user input this function sends the user to the coresponding operation. |
| printSpecies () | void | Prints out a list of endangered water animals. |
| printUsage () | void | Prints out how to use the program. |
| printTeamInformation () | void | Prints out information about our team. |
| returnToMenu () | void | Asks the user if they want to back to the main menu |

Functions from functions.h

|  |  |  |
| --- | --- | --- |
| openFile () | void | Opens and starts to read the file where the records will be saved. |
| createRecord () | void | Allows the user to create a new record. |
| updateRecord (string search) | void | Allows the user to update an existing record. |
| deleteRecord (string search) | void | Allows the user to delete an record. |
| searchRecord (string search) | void | Allows the user to search for a record by using it’s ID. |
| displayRecord () | void | Displays all of the existing records in a list. |
| saveToFile () | void | Saves any changes to the .txt file. |
| mainProgram () | void | Allows the user to chooce the operation they want to do with the records and prints out the second menu. |
| inputChoiceProgramme () | int | Allows the user to enter the option of their choice. |
| checkIdLenght (string id) | bool | Checks if the entered ID is 4 symbols. |
| checkExistence (string id) | bool | Checks id the entered ID already exists. |

