**TEAM**

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**The Red Pandas**

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# Topic

The topic of this year's coding marathon was to create a website and application with current data about water supplies and endangered wildlife, as well as to provide technical solutions for keeping water resorts and marine animals safe.

# Team

* **Scrum Trainer** - Kristian Neykov (*10A*)
* **Back-end Developers** - Georgi Mihov (*10A*) and Radoslav Lisitsov (*9A*)
* **Front-end Developers** - Stepan Urivko (*8A*) and Simeon Boev (*8A*)
* **Quality engineers** - Kamelia Ivanova (*9A*) and Maria Kostova (*9V*)

# Goal

We wanted to develop a website that educates its visitors about various problems concerning the world's oceans and seas.

# Stages of development

* 1. Stage I

The first thing we had to do was form a team. We all contacted one another through platforms like Microsoft Teams and Outlook. And from the recommendation from one of our teammates, we welcomed another member into our crew.

* 1. Stage II

This is where we decided what we are going to do for this project. We all demonstrated our skills and previous works, and we quickly agreed on team roles. Our Scrum Trainer gave tasks to all of us and set up our repo. We did not have many meetings; rather, we communicated through text. Everyone was doing their work, and the days for the presentations were getting closer and closer...

* 1. Stage III

We gathered what we had done individually, reviewed any issues or questions, and distributed the way we would be presenting.

# Difficulties

No one seemed to have any significant problems, and if they had any questions or needed assistance, someone was there to help them. We lacked communication, but we managed to make it work in the end.

Some of our team members were preparing for important exams, meaning their working time was limited.

# Used technologies

* **HTML, CSS & JS** for the development of our website
* **C++** for our application
* **Microsoft Teams** for our discussions and meetings
* **GitHub** for sharing code and organizing our work
* **Microsoft Word** for the documentation
* **Microsoft PowerPoint** for the presentation

# Functions

|  |  |  |  |
| --- | --- | --- | --- |
| C++ FUNCTIONS | | | |
| name | type | Argument(s) | what it does |
| **class User** | | | |
| getDisplayName | string | none | Returns the user’s display name |
| getPassword | string | none | Returns the user’s password |
| getUserEmail | string | none | Returns the user’s email address |
| getUsername | string | none | Returns the user’s username |
| isAdmin | bool | none | Checks if user is an admin |
| isModerator | bool | none | Checks if user is a moderator |
| isTempUser | bool | none | Checks if user is a temporary one |
| loadUser | bool | string username | Loads user from file |
| saveUser | bool | none | Saves user to file |
| setAdminPerms | void | bool admin | Sets the admin user permissions |
| setDisplayName | void | string name | Sets the user’s display name |
| setModeratorPerms | void | bool mod | Sets the moderator user permissions |
| setPassword | void | string pass | Sets the user’s password |
| setTempUser | void | bool tempUser | Sets the user as a temporary one |
| setUserEmail | void | string email | Sets the user’s email address |
| setUsername | void | string username | Sets the user’s username |
| User | void | none | Creates a user with default values |
| User | void | string name, string displayName, string email, string password, bool tempUser, bool moderator, bool admin | Creates a user with custom values |
| **class Menus** | | | |
| printMainMenu | void | none | Displays the main menu |
| printUserManagementOptions | void | none | Displays the options for working with users |
| printWaterBodyManagementOptions | void | none | Prints options for the water management menu |

|  |  |  |  |
| --- | --- | --- | --- |
| **JS FUNCTIONS** | | | |
| Name | Type | Argument(s) | What it does |
| openNav | function | none | Widens (opens) navbar |
| closeNav | function | none | Closes navbar |