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# Information about our team

|  |  |  |
| --- | --- | --- |
| Name | Class | Roles |
| Stas Uzunov | 10 A | **Scrum Master** |
| Vasil Mladenov | 10 V | **Back-end Developer** |
| Daniel Georgiev | 10 A | **Front-end Developer** |
| Viktor Kirov | 10 G | **QA Engineer** |

# Recap

## Main goal

Our task is to teach people how a small ecosystem works and how the different types of animals are connected with one another.

## 2.2 Tasks

1. We collected information about the task.
2. We assigned roles.
3. We made a logo.
4. We made a README file and added “about” on GitHub.
5. We wrote the Front-End and Back-End.
6. We made a Testing plan
7. We made the unit testing
8. We made a design for the presentation and documentation.
9. We made presentation, documentation, and QA documentation.
10. We made a test cases file

## 2.3 Realisation (apps and language that we used)

1. Apps, that we used:

* **Teams, Discord** and **GitHub** for communication and team synchronization.
* **Visual Studio** for writing the code.
* **PowerPoint** for the making of the presentation.
* **Word** for the making of the documentation, QA documentation.
* **Excel** for the making of the test cases file.

1. Programming language(s) and frameworks that we used:

* **C++**
* **SFML**
* **TGUI (SFML Based)**

# Structure

## 3.1 Structure of the files

|  |  |  |  |
| --- | --- | --- | --- |
| № | | Name of the file | What is this file for? |
| 1. | back-end.cpp | Deals with data given by the user |
| 2. | logic-for-objects.cpp |  |
| 3. | login.cpp | Logs users in |
| 4. | register.cpp | Handles registration and password verification |
| 5. | simulation-date.cpp | Changes simulations: time, date, and temperature |
| 6. | info-for-objects.cpp | Adds all information for the animals |
| 7. | login-files.cpp | Deals with files related with login system |
| 8. | register-files.cpp | Deals with files related with register system |
| 9. | user-simulation-info.cpp | Writes and reads information for simulation from files |
| 10. | sha256.cpp | Used for password encryption |
| 11. | front-end.cpp | Everything that you can see on the window |
| 12. | main.cpp | The main file from where everything begins |

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