**Game of Words && Math Games**

**Project 2024**

**NETSKY**

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**Assignment**

The topic is: "Game of words && Math games". We had to create a game written in C++. The task had to be completed from 29.10.2024 to 25.11.2024. We had to form a team, distribute our roles and everyone’s tasks and make a finished product, which you can read more about in the next sections.

**Team**

|  |  |  |
| --- | --- | --- |
| № | Name and class | Role |
| №1 | Petar Dimitrov – 9G | Scrum trainer |
| №2 | Georgi Pavlov – 9G | Back-end developer |
| №3 | Kaloyan Pozharliev – 9G | Back-end developer |
| №4 | Ivayla Keserdzhieva – 9G | Designer |
| №5 | Velizar Vulkov – 9G | Designer |

[**Stages of development**](#StagesOfDevelopment)

|  |  |
| --- | --- |
| № | Stage |
| 1 | **Assembling the team**  We gathered and distributed the roles, so each person can work on the field that he is most competent with. |
| 2 | **Idea**  We decided to make a game. We started thinking of an idea for the game. We decided to make a mini games center with word and math games. |
| 3 | **The process of creating the product**  Every week there were meetings to discusses the progress and the tasks that are left. We assigned each task to the person that we believed can do it quickly, clearly, and accurately, so the team would be more productive and efficient. |
| 4 | **Polishing the product**  After we finished with the game and the documentation, we fixed some bugs and made the overall user experience a bit more pleasant. |
| 5 | **Presenting the product**  After weeks of hard working and sleepless nights we finished the project and now it is ready to be presented. |

**[Project](#Realization) description**

|  |  |
| --- | --- |
| № | Description |
| 1 | **A general idea about the game**  The general idea of our project is a minigames center where you can have fun and study all at the same time. You can choose between 3 different games. |
| 2 | **How to access our project**  Our repository:  <https://github.com/codingburgas/sprint-math-games-9th-grade-netsky>  If you want to install our game, you can navigate towards the "[Release](https://github.com/MIKafedzhiev20/KOH-Project/releases)" tab in GitHub and download the latest version.  To download our project past the following code in your CMD:  git clone https://github.com/codingburgas/sprint-math-games-9th-grade-netsky.git |
| 3 | **Team work**  The main communication platform we used is Microsoft Teams. During the project we stayed in touch with each other. |
| 4 | **Used technologies for our project development**  We used Visual Studio 2022 as our IDE. The game is written in C++ and we used Raylib graphic library. We used GitHub for collaborative work. We used Procreate and Photoshop for our visual elements. For our documentation we used Microsoft Word and for our presentation we used Microsoft PowerPoint. |

**Block diagram**

**Main Menu**

**Hang Man**

**Quit**

**Select a game menu**

**Retry**

**True Solve**

**Home**

**Retry**

**Quit**

**Home**

**Math Battle**

**Home**

**Retry**

**Quit**

**Quit**