**PHYSICS PROJECT**

TEAM BLUE BIRDS

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PHYSICS-PROJECT

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IDEA OF THE PROJECT

The idea of the project is to create a c++ program that is closely related to physics.

TEAM MEMBERS

|  |  |
| --- | --- |
| № | Roles in the team |
|  | Soner Solakov – Scrum trainer |
|  | Zhanet Petkova – Back-end developer |
|  | Valeria Yaneva - Back-end developer |
|  | Victoria Bolashikova – QA Engineer |

PROJECT DESCRIPTION

|  |  |
| --- | --- |
| № | Description |
|  | Idea in general.  The idea is – an application in which you can create your own simulations, take tests, calculate problems and get in touch with pre-made simulations. |
|  | How can you access the project ?  You can find our project on GitHub. You can access the files by installing the repository, or paste this to your console - https://github.com/SYSolakov20/Physics-Project.git |
|  | Team work.  Our main communicating platform is Microsoft Teams. During the project we met almost every day, so that everyone can catch up with the work. |
|  | What technologies are used?  The technologies used are **Visual Studio & Visual Studio Code**  as our code editors, the website was created using simple **HTML & SCSS** , we used **GitHub** for collaborative work, **Microsoft Teams** - connection and communication, **PowerPoint** - preparing a Presentation, **Word** - preparing Documentation, **Excel** – for the QA tests and **Photoshop** – photo and graphic processing. |

PERFORMED TASKS

|  |  |
| --- | --- |
| № | Completed tasks |
| 1 | Create a download one page website  The website contains phone and iMac mockup that represent our app, a download button, benefits and contact button. |
| 2 | Create the app menu  This is the starting point in the app. In there you can navigate all around the program. |
| 3 | Make the simulations  The simulations represent an electric chain. In this part of the program you can see pre-made simulations. |
| 4 | Make the calculators  The calculators are way to solve a problem really quick. We even made it easier to understand by adding the formula to the specific calculation you make. |
| 5 | Create tests  Tests are great way to learn new things and sharpen your knowledge, by making this we challenge the customer to take a test and later check his results. |
| 6 | Create your own simulation  In this part of the program you can experiment and create your own simulations by adding different elements to an electric chain. |
| 7 | Make the README file  In the readme file you can get a quick overview of the project. We have added the programming languages we used, the diagrams and the demos of the project. |
| 8 | Make the documentation  The documentation provides very useful information in terms of the technical aspect. You can learn pretty much everything by reading it. |
| 9 | Make the presentation  We have created a short presentation to quickly show what we have done. |

BLOCK DIAGRAM

Diagram

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C++ FUNCTIONS



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