**PHYSICS PROJECT**



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|  | **Idea** |

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| Our idea is to make calculator which calculates some of the formulas in physics in different units. |

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|  | Team |

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| Любомир Георгиев 9б| **Scrum trainer and Leader** |
| Ерик Иванов 9г | **Back-End developer** |
| Станислав Йорданов 9г | **Back-End developer** |
| Лорена Христова 9б| **QA engineer** |

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|  | The project |

## First stage of realization| The imagining of the project

## First we thought about the idea of the project, the roles and who will do what.

## Second stage of realization | The start of the project

## Everyone started working on their part and consulted with the others of the team.

## Third stage of realization| Last final touches

## The last but one step was to watch carefully everything in details and think if it is okay to leave it like that.

## Fourth stage of realization | The final project

## And the last step was the final and done project.

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|  | **Languages and Tools:** |

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|  | **-DISCORD** |
|  | **-C++** |
|  | **-VISUAL STUDIO CODE** |

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|  | Function |

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|  | |  |  | | --- | --- | | cout << "===================================================== \n";cout << " \t\tPHYSICS PROJECT\t \n ";cout << "===================================================== \n"; | The title | | switch (op) { | Here the program starts calculating | | cout << "End of Program.\n";  calcOn = false;  break; | The exit of the program | | cout << "To use the calculator just choose the formula you want and then type two numbers.\n"; | This is the guide for the application | | cout << num1 << "kg" << " \* " << num2 << "m/s" << " = " << num1 \* num2 << "N\n";  break; | Newton’s Second Law | | cout << num1 << "J" << " / " << num2 << "s" << " = " << num1 / num2 << "J/s\n";  break; | Power Formula | | cout << num1 << "kg" << " / " << num2 << "m" << " = " << num1 / num2 << "kg/m\n ";  break; | Density Formula | | case '1':  cout << num1 << "km" << " / " << num2 << "h" << " = " << num1 / num2 << "km/h\n";  break; | Average Speed Formula |  **Difficulties we encountered** |

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| **Configuring the team** | 4/10 |
| Making the code | **6/10** |
| Organize the team | **3/10** |
| **Distribution the roles** | **2/10** |

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|  | **Conclusions** |

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| We gained a lot of new knowledge from the work on this project. We learnt how to work in a different team and how to allocate valuable time, which we will need in the future. We also developed in writing C++. |