COMP3000

Computing Project

2020/2021

Project Title

Virus Inc.

Links

Source code: GitHub - <https://github.com/DigSwine/Final-Year-Proj>

Backlog : <https://tasks.office.com/live.plymouth.ac.uk/en-GB/Home/Planner/#/plantaskboard?groupId=0969935a-3487-451b-bd42-e664616b0844&planId=W50a3IL3sUKmHRmC8YBuMpYADReq>

Project Vision

The project aim’s to be used by computer security students at the University of Plymouth, the main aim of the project is to offer support for students who have difficulty learning how to make virus’s by including a builder and a testing section – this will be made to appear like a game to make the tool more inviting. As the virus was inspired by a game (Plague Inc.) the name I have chosen is “Virus Inc.”. The project will be made on either a C# application hosted by Visual Studio or a Web Application. The Reason behind this project is to have a friendly tool to help students who are interested in virus’s and virus protection.

Risk Plan

|  |  |  |  |
| --- | --- | --- | --- |
| Risk Name | Probability of Risk | Impact of Risk | Mitigation of Risk |
| Eyestrain | High | Pain in eyes and headaches | Work for 30 minutes then take a 5-minute break from the computer. |
| Repetitive Strain Injury | Medium | A pain in a bone joint | Work for 30 minutes then take a 5-minute break from the computer. |
| Electrocution | Low | Either a burn, or death | Turn plug off before unplugging laptops, do not drink near the computer, and avoid uncovered wiring. |
| Headaches | High | Loss of productivity, and motivation | Do not spend a load of time, stuck on one issue, and take regular breaks from the screen. |
| Sleeping Issues | Medium | Loss of productivity and missed lessons | Stop working at 8pm, and do not think about work until 8pm the next morning. |
| Hearing Loss from headphones | Medium | Hearing Loss | Don’t keep headphones on while working and if so, then keep the volume down. |
| Blood Clots | Medium | Pain, and in severe cases death. | Move, by moving every so often then the risk of getting a blood clot is reduced |
| Addiction | High | Productivity (Ill only work for one more hour turns into ill just finish this bit, ect) | Set a time to stop working, once progress is being made at a steady rate it is easy to lose track of time and keep wanting to improve on the product. |
| Personnel shortfalls | Medium | Loss of productivity | This cannot be avoided but a break can solve this risk |
| Developing the wrong software functions | Low | Excess functions | Only make functions when the outcome has been assessed |
| Real time performance problems | Low | Components don’t work correctly | Solve this as soon as the issue arises |

Keywords

Virus, Builder, Game, User Interface, Web Application, Visual Studio, C#, Ajax, Php, HTML, CSS.