

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=W50a31L3sUKmHRmC8YBuMpYADReq>

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.