

Michael Lieu and Will Schreiner

CS Senior Design I

Assignment 7

Project Constraints Essay

One of the constraints we had to consider for our project was the economic constraint; we wanted to make it so that our project provided economic and intellectual freedom. As a result, we used a lot of free applications and services. We programmed our project entirely in Python and TkInter, which is a free and open source language. Our code repository is posted on GitHub, which is a free service that allows both developers and users to interact with our program without having to worry about any financial constraints. Finally, we developed everything in Visual Studio Code, which is a free and open source IDE.

Another one of the constraints we had to consider for our project was the professional constraint; we developed this program with the desire to tie in professional skills, technologies, and practices. We used Python, TkInter, GitHub, and Visual Studio Code to develop the code for and manage this project, which are all technologies that have a heavy presence in the professional atmosphere for software developers. We also focused on practicing front-end and back-end development, wanting to apply and showcase our proficiency with these practices, which may in turn be used in a professional environment.

The last constraint that we had to consider for our project was the distance constraint. During the early stages of development, we knew that we were going to be separated for a period of time from December to January. As a result, we needed to coordinate our efforts and regularly met to discuss the details of our implementations in order to make the integration of our implementations more cohesive.