Scott Bingham

Professor Matthew Bell

CS 172

19 May 2016

Individual Summary

For our project, we set the background to be during World War III. We said that a computer virus run rampant and ultimately led to World War III. Almost the entire planet has been destroyed. There are only five cities left on earth. They are Seattle, Boring, Toronto, Tokyo, and Paramaribo. The idea is that everyone left on earth must move to one of these five cities. Our program is an attempt to help people decide which city they are able to move to.

Our project is an expansion on a differential equations problem. We calculate how much people must pay per month to pay off a loan based upon the amount of money they take out for their loan and the interest rate in the particular city. We are assuming that the interest is being compounded continuously and that payments are being made continuously, which is what makes this a differential equations problem.

We worked on every part of this project together. There was no part of the project that was done individually. I think this was beneficial as we always had two minds working on every piece of this problem and were better able to think through problems and figure out solutions to those problems.

I better learned how to work on a project with a partner. It was a good experience encountering issues during our pursuit of a solution and being able to talk through the problem and find a solution. I see this as a good life skill and as extremely applicable in industry as a lot of work is done in teams where the team has to find solutions to various problems and must be able to work with partners to find those solutions.