Rachel Burk Progress Reports Senior Design

Progress Report 1 3/3/2019

1. Briefly describe your project. (About 2 sentences.)

Creating DataCamp material for Python for Everybody.

1. What is your particular role in the project?

My particular role will be to review all the educational material and to translate it into interactive modules through DataCamp.

1. What have you done personally in the two weeks leading up to Feb. 24?

Personally, I have explored DataCamp light and what courses it currently has to offer. I have also talked to a few students from Saint Martin’s and Eastern Washington University about python courses they have taken in the past and how they learn best. I followed up with some of my peers about the Git assignment and the improvements they saw on that particular module.

1. Describe any significant progress made by the team as a whole in this time period.

No significant progress has been made, the next step is to go through PY4E and create outlines for each chapter.

Progress Report 2 3/24/2019

1. What have you done personally since your last progress report?

Personally, I have started a roadmap to the Python for Everybody content. So far, I am in the beginning stages of chapter 2, which deals with variables, expressions and statements. I have explored the Python for Everybody website and made an account. I have discovered the two PY4E edX courses listed on the site as well. I will be meeting soon with my client, Dr. Nelson, to discuss his vision for the course and how they will differ from these courses. I am in the process of going through the creator content on DataCamp and have started to build chapter 2. I have a few questions that I need to address with my client, specifically if the videos are going to be the main resource for the content or if the class will focus on the PY4E text. I believe that going through the edX courses will help to discover what we would like to keep as a learning tool, and what we would like to improve! There is a lot of content to cover, I think that creating a project timeline would greatly benefit me. The goals for next progress report will be to create this timeline, continue to experiment with the DataCamp site, and to go through the PY4E material.

Progress Report 3 4/7/2019

Since the last progress report, I have added a new team member to help with the project. I have conducted an initial meeting with my new group member to explain what we will be doing with DataCamp. We have decided that we will try and complete at minimum, one chapter a month. I have also linked my DataCamp course with my GitHub. I have created a google document that portrays the current schedule and we are finalizing it. I have added Matthew as an instructor to the course. Lastly, I have reviewed the help documents in the instructor support section of DataCamp in order to help structure this course.

Weekly Progress Report 4 4/28/2019

1. What have you done personally since your last progress report?

Since the last progress report, I have converted the DataCamp Light course to run from my GitHub account. I have researched for my literature review topics on course design and implementation. I have discovered that there are effective ways of constructing multiple-choice questions that exercise the student’s knowledge vs simply requiring memorization. I have researched the creation of learning objectives and how they can provide structure to the course. The next steps will be to try to create multiple choice content as well as console content on GitHub. I have worked with the DataCamp Light GUI but we have decided that creating the content through GitHub will set up the future of this project better. The project will need to be completed by another team as the content is extensive.

2. Describe any significant progress made by the team as a whole in this time period.

The team has reviewed literature as well as read the first 2 chapters of PY4E.