**Self-Assessment**

-Travis Hurst

Part A - Two Paragraphs: What was your individual contribution to this project? Did you apply and build upon the skills identified in your initial assessment from last Fall? What did you do and how did you do it?

My individual contribution to this project was mainly centered around the front-end and UI of the web-based application we created. I was able to build on many of the skills which I thought would be necessary in my initial assessment. These include creating an application from scratch where I needed to research the Django framework and create the initial application, as well as making design decisions about how the data model would be structured and the overall layout of our application UI. Then it became necessary for me to build on my Python language skills, which I had not used since my initial college class, as I mainly use Java based languages at work. I was able to see many methods which are included in Python and Django which really helped speed up the development process. However, I was able to utilize some language skills like .css and html right away to make sure that the webpage scaled and kept the correct layout regardless of screen size and the data presented. Once these initial ideas were implemented it became much easier for me to add new features to give our application value due to the initial planning and already having the target goal fleshed out.

What did you learn and what competencies did you build? What were your successes, what were your obstacles?

Specifically, I would say that I learned how important the planning phase was before implementation began and better ways to share mockups and communicate with the team. This is in addition to learning a new framework and boosting my Python skills to a more usable level for real world applications. Also, I got more practice with some concepts I was already familiar with such tracing data between the front end and back end, web page design, and source control using git and Gitlens. I feel that my successes in this project were that I was able to create the vision that our initial team members had for what this application should be, and that I created a UI that was both aesthetically pleasing and also easy to use for a new User. I think that I can use many of these skills in the future so I would also say that it built my confidence in being able to adapt and learn new ways of creating applications. When it comes to obstacles I would say the greatest issue I had was learning exactly what the Django framework provided and to not fight against it but try to implement code in a way that was beneficial to using this framework. This is not due to any problems I had with it, but more a learning curve for me as I was unfamiliar with it personally. Also I had issues with learning how to do Java promise type functions in Python so that the data was delivered in a correct way and all of the processes would be called in the correct order.