

SDV602 Reflections

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Milestone One Reflection

The focus of milestone one was to create a basic GUI for data analysis application. This process includes the design and build phases of the SDLC. To create this application, I used a combination of python libraries to create the GUI and the application's functionality.

Software, Languages, and Libraries used in Milestone One:

- Visual Studio Code
- Python
- Matplotlib
- PysimpleGUI

I started the project by reviewing the documentation provided and made a checklist of everything that needed to be checked off. I then started brainstorming data sources to use in the application. I think that the hardest part of this milestone was choosing an adequate data source that would meet the requirements of the course. After I had found my data source, I started designing the application by creating wireframes and establishing what libraries and modules I would use to build the application. Once I had written out the design, I started working on the basic layout of the application mostly using the PySimpleGUI library to do so.

I found this milestone to be very enjoyable learning about Python and some of its libraries.

Milestone Two Reflection

Milestone two was focused on the Model View Controller, this meant that I had to go back to my design and refactor most of my application. At this stage of the course, I got quite confused. I struggled to understand how the model view controller worked and how it could be implemented into my application. However, with more explanation from my tutor and peers, I finally grasped the concept.

I was not overly happy with my submission for milestone two. I wasn't able to fully finish implementing the model view controller in time for submission. This was due to several factors, regardless I was unimpressed with my application and performance during this milestone.

Milestone Three Reflection

Milestone three was the final stage of the applications creation. This milestone was mostly about implementing an authentication system for users to register and log in to a remote database.

This is where things went south for my application, I had little time to spend on it as there were other life factors out of my control that stunted my progress. However, I created the login and registration views along with some of the functionality to incorporate them. At this point, I was racing against the clock to finish the application and documentation before the hand-in date.

I was sadly unable to complete everything that was required in the application for milestone three within the timeframe I had.

This course has given me a greater understanding of python and how other programming languages can be compared to each other. I think if I were to do this again I would have an application that would be better designed from the start.