

BTech 451 2015

Semester 2 Log

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Inter-Semester Break – 30th June – 18th July 2015

During the inter-semester break I was able to brainstorm and come up with ideas as to how my Python application would operate. This included the structure of my databases and tables that were required. I drew multiple diagrams that represented the operation and flow of data within my intermediary Python application.

Week 1 – 20th July 2015

As this was the first week back to University, my industry mentor requested that I go to the CCA office and show him my progress in regards to the design phase of my Python application. I had to also prepare for my Mid-Year seminar which went well. I discussed the research I had completed earlier in the semester to explain the possible alternative solutions that were available within the current marketplace. As part of my research I had concluded that the existing solutions as researched by me were not feasible for CCA.

Week 2 - 27th July 2015

This week I spent a significant amount of time in learning how to code Python and I was reading several online documentations in regards to the SQLite cross-platform library. These two technologies were extremely crucial as the second half of my project will consist heavily of Python and SQLite.

Week 3 - 3rd August 2015

This week I began coding of my Python project. By the end of the week I was able to set-up my Python and SQLite environment. I had to download several external libraries as I was unable to run many demo scripts that I had tested on my personal laptop. With the documents I had received earlier from CHEP in regards to the layout of the EDI file, it then allowed me to create my tables within SQLite and Python to adhere to those requirements.

Week 4 - 10th August 2015

This week I met with CCA Distribution Staff and showed them the manner in which I linked shipments to the CHEP ID. The meeting I had with the CCA staff were regular and they informed me that the manner in which I linked shipments to the CHEP ID was incorrect and needed to be changed. I therefore scheduled to make changes within the following week.

Week 5 - 17th August 2015

This week I completed the database and table generation within my Python application via the use of Python and SQLite. As a result of my linking mechanism being incorrect I was required to change the SAP Design which meant adding in a new table and pulling additional fields of information.

Week 6 - 24th August 2015

Unfortunately this week I was unable to spend much time on my BTech project as I had several other university commitments.

Mid-Semester Break — 31st August – 12th September 2015

During the mid-semester break I was able to code my Python application which allowed me to import all the required fields of information which included the two new sets of information provided such as the Customer information and Vendor information.

Week 7- 14th September 2015

This week I designed my newly updated linking and data manipulation process and was able to finish coding in regards to the filtration of shipment information via the shipment type. I also had a large deliverable due for another university paper which meant I could not spend a significant amount of time on my BTech project.

Week 8 - 21st September 2015

During the week I met my CCA Industry mentor and showed him the progress with my project. I also showed him the progress in regards to the implementation of my decision-making logic.

Week 9 - 28th September 2015

As one of the key features required as part of my Python application, I was able to complete a large remaining part of my project and had approximately 20% of coding to complete. I also informed my supervisor of my progress within the project and discussed the final report contents.

Week 10 - 5th October 2015

I completed the remaining 20% of my project coding which now meant that I needed to dedicate a large amount of time to my other University assignments and deliverables that were due within the week.

Week 11 - 12th October 2015

During the course of this week I spent a significant amount of time working on my report as well as finalising the finer operations of my project. I also needed to finish two major reports that were due for my other university papers.

Week 12 - 17th October 2015

This week was an extremely busy week for me, the Python application had been marked as complete and the data extracted from my application had been validated by my Industry Supervisor. I also received confirmation from CHEP that confirmed my EDI file was created as per their design requirements and formatting requirements. Furthermore, I prepared my final presentation for BTech and also completed my BTech report within a timely manner. Additionally this allowed me to proof-read the report with sufficient time remaining.