

Reflection Entry 2

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FIT3164 Data Science Project Part 2

Week 4

Tasks Undertaken

I attended the seminar with a friend from another team intending to seek guidance from Mr. Soo on the upcoming assessments, and I was satisfied with the valuable tips he provided. Mr. Soo stressed the importance of updating the risk register and talked about how the team manages code version control. Additionally, it was noted that Git commits could be included in the weekly progress status summary report as evidence of completed work. In addition to that, Mr. Soo mentioned his expectations for how the methodology should be included in both the project management report and the interim presentation. Mr. Soo emphasized the significance of a correct handoff among team members and adhering to the time limit during the presentation, as these factors impact the grading of the team's presentation. I believe it was thoughtful of him to emphasize these points during the interim presentation and report to prevent any teams from having many questions while working on these evaluations. It was unfortunate that half of my team could not attend the seminar, but I understand their circumstances as both live far away from campus where the journey without any form of traffic jam would take them at least 1 hour from their residence to the campus and just to attend the 2-hour seminar, it was not worth the effort.

Furthermore, Jesse and I also encountered the other group that had been given the same topic for our final project. Following an assessment of their team's progress, a heated discussion took place. Our supervisor, Dr. Fermi, did not provide either of the teams with any datasets and their team did not find any suitable datasets. On the other hand, my team has found a dataset as in the previous semester, a dataset is required to do the data analysis report, but the team did not find any use to the dataset other than just to complete the data analysis report. Their team desired access to the datasets discovered by my team but insisted on a cleaned and organized dataset. At that time, my team consisted only of Jesse and myself. We couldn't accept their terms without proper discussion and agreement, as this was a team project and it's not right to just agree to some terms that have not been discussed and agreed upon. They offered assistance, when necessary, but without evidence of their completion on their web system, I couldn't confidently accept their offer, unsure of how it would benefit my team. They were quite forceful with their request, and I felt helpless at that time as I really could not make any decision on it. I also sensed that their request for the dataset was somewhat impolite. They had Jesse's information and frequently reached out to him on the same day to ask for the dataset to be handed over by the evening, which I thought was too hurried for the team to decide.

Other than that, the first assessment has been released. A meeting was held to confirm the parts assigned to each team members and to request for a meeting with our supervisor. Due to prior engagements, Jesse could not make it to the meeting with our supervisor, but the team updated him as soon as the meeting ended to keep him informed. In the said meeting, it was also agreed upon that we would only request a meeting with Dr. Fermi only when necessary else all communication with him will be done through Discord.

Critical Reflections

During the encounter with the other team, I felt I could have handled the situation better but if I was given another chance, I may not be able to do it as how they requested for the dataset from my team was rather forceful and rude like they were just ordering for the dataset and not earnestly requesting for it. I felt at that moment in time, if all my team members were present, it would also result in a better outcome as at least at that moment, a decision could be made regarding their request. I was scared that handing over the dataset would be a waste of my hard work, but ultimately, I accepted the team's decision.

Assigned Roles/Tasks

As previously agreed, I will represent the team to fill in the pre-declaration form, inform my team to submit it on Moodle, and split the tasks equally for the team for the project management report. During the team meetings, all members were happy with the assigned tasks and expressed their confidence in completing them within the given deadlines. We also discussed potential challenges and brainstormed solutions to ensure the project stays on track. This happened after the team meetings, during which each member shared their progress. Following that, we had a sprint meeting where each member assigned tasks to themselves to be completed during the sprint. The sprint task that I have assigned to myself is to improve on the homepage of the web application as well as to continue with the add, list, and delete component of the medication aspect of the web application.

Accomplishments

I have completed the add medication component of the web application and its functionality has reached my expectations. The homepage of the web application was also updated and improved.

Next Week's Tasks/Reflections

As I was busy with other units' assessments, I did not get to start on the project management report. Hence, I aim to continue to attend next week's seminar for this unit, continue with the medication aspect of the web application, and to start on the project management report.

Week 5

Tasks Undertaken

The seminar in Week 5 is dull. Mr. Soo lectured on Bug, Error, Fault, Failure, Black Box, and White Box testing. He also stated that unit testing is the preferred method of testing for all previous year-end projects. Once I comprehend the components and processes of each testing method, I believe my team will likely opt for Black Box testing to verify the functionality of the web application. The only point I paid attention to during the seminar was when he mentioned what he expected to see during the interim presentation. It was discovered that my team will conduct the interim presentation this Wednesday, making us one of the few teams that will present first. With that, I noticed that within this week, I have at least 5 assessments due which made me extremely stressed, but I believe that I will get through the week safe and sound but mentally tired.

After the seminar, a meeting was held to redistribute Eunice and Jesse's responsibilities for the final year project as after a discussion, it was determined that time is not enough to do the HTR model if Eunice and Jesse were to make the web application with Alicia and me. Hence, it was decided that Jesse would continue to work on the HTR model while Eunice worked on the image-cutting model.

Despite the team's busy schedules, we managed to carve out time to practice our presentation. Everyone arrived on campus as planned, 30 minutes before 10 am, ready to rehearse the flow one last time. The commitment was evident—each team member dressed in semi-formal attire, treating the interim presentation with the seriousness it deserved.

When the time came, the presentation unfolded smoothly, with only minor hiccups along the way. However, Mr. Soo highlighted some crucial aspects of our project that we had overlooked. This feedback was invaluable, reminding us of the importance of scrutinizing every detail. In the end, though, the team felt a sense of pride and satisfaction in our collective performance. This experience underscored the importance of preparation, attentiveness, and the value of constructive criticism.

Critical Reflections

In our last presentation, which took place last semester, we received feedback that we hadn't fully utilized the allotted time, wrapping up two minutes early. Reflecting on this, I realized that my nerves played a significant role—I was overly anxious about how our team would handle potential questions and how the audience would perceive our work. Reflecting on it now, I realize I was overthinking as the presentation went smoothly. The other teams were too preoccupied with their own presentations to worry about ours.

For the interim presentation, I made a conscious effort to slow down and articulate my points more clearly, ensuring that the audience could follow on with the points and content I was speaking on. Drawing on my high school experience, where I presented frequently, I avoided using my phone or additional notes during the presentation. I believe I've improved since our last presentation, and I'm determined to maintain this level of performance for our final presentation. This experience has taught me the importance of self-awareness and continuous improvement in public speaking.

Assigned Roles/Tasks

As we have agreed before, I will be the one to complete the final declaration form on behalf of the team and will notify my team to upload it on Moodle. I was assigned to upload the project management report on Moodle, but Alicia, my teammate, had to submit it on my behalf due to a last-minute club commitment, while I clicked "submit" on my phone.

Accomplishments

I have completed the add, list all, and delete functionality of the medication component of the web application. While working on my component, I often consulted with Alicia on how to update and enhance the homepage of the web application, ensuring it was improved without being overly complex.

Next Week's Tasks/Reflections

I plan to finish the medication part by next week to move on to the prescription part, as the team is running out of time to finish the project. I am concerned about the progress of my two other project teammates, Jesse and Eunice, because the tasks they are working on are unfamiliar to them and require more time to grasp and complete.

Week 6

Tasks Undertaken

There was no seminar held this week due to on-going interim presentations that were taking place during seminar and tutorial sessions. After the busyness of last week, this week has been much smoother for me. With only my Data Visualization 1 assessment for the FIT3179 unit left to complete, I've finally had more time to dedicate to my final year project. We held our usual Monday team meeting, where we each shared updates on our individual progress. I was pleased to hear that Eunice and Jesse had made headway, even though a model hasn't been finalized yet. They've made significant strides in implementing the image-cutting model and deepening their understanding of the existing handwritten text recognition model. This progress gives me confidence in our team's ability to meet our project goals.

Critical Reflections

This week has been quite peaceful, with no major obstacles or achievements worth mentioning. It has been a refreshing shift after the busy time that recently ended. I've learned to value quieter weeks as they offer time to get ready for the future. I have utilized this time to go over the progress we have made, making sure everything is proceeding as planned. Although there haven't been significant advancements, taking a break to relax and recharge has been advantageous for me.

Assigned Roles/Tasks

In our meeting on Monday, I agreed to finish updating and displaying the medication component by the end of this week for my current sprint. I set this deadline with the intention of making way for concentrating on the prescription module, a new section and feature of the web application. Completing the present task quickly will allow me to focus entirely on creating this important new feature. This method showcases my dedication to remaining orderly and ensuring that every part of the project gets the attention it should.

Accomplishments

I've successfully completed the medication component, ensuring that the add, list, delete, update, and display functions are all working as intended. As part of this progress, I also updated the homepage to include sections for diagnosis and prescription, preparing the groundwork for the upcoming features that Alicia and I will be working on. This step not only marks the completion of a key task but also sets the stage for the next phase of our project, allowing us to move forward with a clear focus.

Next Week's Tasks/Reflections

I plan to start on the database side of the prescription feature before moving on to the add functionality of the prescription feature of the web application.

Week 7

Tasks Undertaken

This week marked the conclusion of the semester's seminars for our unit, a detail I had forgotten but was delighted to remember. With no assessments due, I dedicated all my time to our project and managed to complete the prescription feature of our web application within three days.

However, as I was making progress, my teammates Alicia, Jesse, and Eunice shared some surprising news: they had achieved the highest grade in the cohort for FIT3163. I was genuinely pleased for them, but the news came through while I was driving, so I asked my brother to read the message aloud as I like to reply to messages as fast as I could else, I would have forgotten about their existence. As siblings often do, he made a teasing comment about why I had not achieved the same grade, which sparked my curiosity.

After checking, I noticed that Eunice, Alicia, and Jesse had both scored 86, while I had 85. Although I was still happy for them, it was disheartening to see the slight difference. I felt that despite my significant contributions to the project, the outcome seemed somewhat unfair, especially since they received official congratulations from the university.

This led to a moment of frustration and the urge to withdraw from further contributions to the project. Nevertheless, I recognized that this reaction would be unfair to Alicia, a teammate and close dear friend. Despite my feelings, I chose to continue contributing, understanding that my commitment should remain steadfast for the benefit of the entire team and for myself.

Critical Reflections

Receiving the news about my teammates' achievements made me more aware of the mixed nature of team success and individual accomplishment. In the FIT3163 unit, all my teammates consistently attended seminars, but in FIT3164, they did not. During the FIT3164 seminar, lecturers covered vital details related to assessments, which are primarily team-based. This meant I had to relay this critical information to my teammates; otherwise, their lack of adherence to grading criteria could negatively affect my marks. It felt unfair that they could benefit from the same information without attending the lectures themselves. Despite this, I understood their perspective about the time and effort needed to commute to campus.

Initially, I considered withdrawing from the project due to these frustrations. However, after careful reflection, I chose to continue contributing. I realized that this project reflects my own efforts as well and that withdrawing would not only harm the project's progress but also strain my relationship with Alicia, a close teammate. Continuing, despite my frustrations, was challenging but necessary for my personal integrity and the success of our team.

Assigned Roles/Tasks

On the team meeting on Tuesday, I agreed to my current sprint task is to finish prescription feature of the web application before moving on to appointment feature of the web application.

Accomplishments

I completed the prescription feature on Wednesday, and the speed with which I finished it was partly driven by the disappointment and dissatisfaction I felt upon learning that my teammates had achieved the highest grade in the cohort for FIT3163. This news significantly provoked me to push through and finalize the feature quickly so I could care less about it.

Next Week's Tasks/Reflections

I plan to begin working on the appointment feature of the web application once I am in a better working condition. The news of my teammates achieving the highest grade in the cohort for FIT3163 threw me

off course, and I hope to regain my composure soon. My goal is to ensure that my mood does not negatively impact my team.

Week 8

Tasks Undertaken

As there were no further FIT3164 seminars available, I have decided to allocate that time towards creating high-quality work for my final year project instead. The team gathered for a meeting to share updates on individual progress for the final year project and to determine tasks to be completed by the end of the week's sprint. During this week's sprint, I tasked myself with finishing the appointment feature and updating the prescription component. Alicia and I previously met to discuss a problem with the web application, realizing the need to add a physician/doctor component for diagnosis, prescription, appointment, and encounter functionalities. Hence, I have taken up the responsibility to complete this physician/doctor component within this week. Besides that, the team consistently creates and sends a weekly progress status summary report to our supervisor to keep him updated on the team's progress at the end of each week. The deadline for the official progress status summary report is approaching and I am glad that I instructed the team to update this report weekly, making it easier to proof-read before submitting to Moodle without the need to do last minute work.

Critical Reflections

As I embarked on developing the physician/doctor component for our final year project, I found myself contemplating its significance. As I delved deeper, I realized its pivotal role in shaping our application. Without this component, our system would be fragmented. Patients might schedule appointments but remain in limbo afterward. With the physician/doctor functionality, clinical workflows become seamless. Physicians can review patient histories, make informed decisions, and provide timely care—all within the same ecosystem. I wish I had recognized the importance of this component earlier. Perhaps we could have allocated more time, discussed design considerations, and refined the user experience. Instead, I find myself rushing, a feeling I'd hoped to avoid.

Assigned Roles/Tasks

On the team meeting, I've agreed to tasked myself to complete the appointment functionality and update the prescription functionality to fit Alicia and my thought process. Alicia and I agreed to the fact that how diagnosis, prescription, appointment, and encounter works is that first after appointment was set between patients and physicians/doctors then the physicians/doctors would initiate or start the encounter which will allow the physicians/doctors to key in diagnosis records and add prescriptions if required.

Accomplishments

I have completed the appointment functionality and modified prescription component on Sunday 15th September 2024.

Next Week's Tasks/Reflections

Alicia plan to start on register and login features for the web application which I plan to help her on, but the tasks will be delegated on the next team sprint meeting. The current leftover tasks would be the integration of web and model as well as code testing and documentation.

Week 9

Tasks Undertaken

The team gathered again to discuss individual progress updates for our final year project and assign tasks for this week's sprint. I took on the responsibility of completing the frontend for the register and login components, while Alicia focuses on the backend. In addition, I assigned myself the task of documenting the code for the web application, including backend models, controllers, routing, and database services. This week is particularly hectic for me as I'm also involved in the Monash Clubs and Societies Publicity Subcommittee. My role requires me to take photographs for publicity during the Monash Cup's closing ceremony, which runs from the 18th to 20th of September 2024. I recognize that my limited progress on the final year project this week could increase the workload for my teammates, but I trust in their abilities to handle it. Moving forward, I'll ensure to contribute more through future reports or testing whenever possible to balance the workload.

Critical Reflections

I have realized that my participation in the Monash Cup this week has hindered my advancement on the final year project. Although I plan to make amends by increasing my contributions in upcoming reports or code testing, I understand that this may not be feasible in the long run. Depending on future contributions to make up for missed tasks can lead to a buildup of work and heightened stress in the future. One possible approach could be to establish attainable weekly goals, even when busy, to make consistent advancement. In this manner, I can prevent stressing out my teammates and upholding a more even distribution of tasks. Upon further reflection, I understand how crucial it is to manage my workload efficiently and prepare in advance to prevent delays or depending too heavily on catching up.

Balancing multiple responsibilities, like my duties to the Monash Clubs and Societies Publicity Subcommittee and the final year project, has proven to be difficult yet rewarding in terms of personal growth. This scenario has underscored the necessity of improving time management and prioritizing effectively while handling multiple critical tasks. Upon reflection, I understand the significance of expecting busy times and getting ready ahead of time, whether by assigning tasks, modifying deadlines, or communicating more effectively with my team. In the future, my goal is to use these skills I've learnt to ensure a steady involvement in both projects, even when things get tough. This encounter has strengthened my dedication to constantly enhancing not only the quality of my work but also my time and task management skills.

Assigned Roles/Tasks

My responsibility was to document the code for the entire web application, including the frontend components related to registration and login functionalities. The registration and login frontend were finished before the code documentation, allowing Alicia to test the backend for these features at any time. I have finished documenting the code for the backend of the web application, which covers backend models, controllers, routing, and database services. The remaining documentation consists of the code documentation for each component, which will be finished by the end of next week at the latest.

Accomplishments

I have completed documenting the backend code for the web application, which includes backend models, controllers, routing, and database services. The code documentation for each component,

which includes patient, medication, prescription, appointment, encounter, diagnosis, login, and registration, will be completed by the end of week 10 at the latest.

Next Week's Tasks/Reflections

I plan to continue with the remaining code documentation next week so I can move forward to help with the integration with the web application and model.

Week 10

Tasks Undertaken

The team gathered once again for a meeting to discuss individual progress updates for our final year project and assign tasks for this week's sprint. I took on the responsibility of completing the leftover code documentation and the modification for the navigation bar and menu as currently, the navigation bar and menu can be accessed from the login and register page even though the user has not logged in, yet which will cause a major security issue if the web application were to be deployed to be used in the healthcare industry.

Critical Reflections

I find myself a bit concerned that we only discovered this issue toward the end of the web application's development. Ideally, identifying it earlier would have given us more time to address it without added pressure. However, I remain confident in my abilities to resolve the problem before our scheduled presentation to the teaching team. Reflecting on this, I realize that challenges like these are part of the development process, and while it's not ideal to encounter them so late, it's a valuable reminder of the importance of thorough testing and regular reviews throughout the project progression. Moving forward, I plan to approach the issue methodically, ensuring it's fixed in time and that the final product meets our expectations before the final software demonstration and presentation. This experience reinforces my confidence in problem-solving under pressure and highlights the need for adaptability when unforeseen issues arise.

Assigned Roles/Tasks

During our team meeting, after discussing the model and web integration with the team, I volunteered to take responsibility for coding documentation and enhancing the navigation bar and menu. This decision allowed Eunice, Jesse, and Alicia to concentrate fully on the image cropping model, handwriting text recognition model and its integration with the web application. During this process, I recognize the importance of distributing tasks based on individual strengths and current priorities as Eunice and Jesse worked on those models most of the time while Alicia and I were working on the backend and frontend of the web applications respectfully and since the integration of the models and web application is mostly done at the backend of the web application so instead of me, Alicia was more suited to work alongside Eunice and Jesse to integrate the models to the web application. With that, I can ensure that the user interface and documentation are polished, while my teammates dedicate their efforts to the technical aspects of the integration. This collaborative approach reinforces the value of clear communication and task allocation in ensuring the project's overall success.

Accomplishments

I have completed the rest of the code documentation for the web application at the first half of the sprint and have completed modifying the navigation bar and menu on the second half of the sprint.

Next Week's Tasks/Reflections

I plan to discuss the task allocation for the upcoming user guide and test report assessment for unit as well as the work distribution on the creation of the slide to be used for the team's software demonstration and final presentation that will be held on Week 12 Monday as most of the team members will be busy on Week 11 due to various assessments so it doesn't hurt to prepare early for the software demonstration and presentation.

Week 11

Tasks Undertaken

The discussion about the task assignment for the test report and user guide took place over WhatsApp chat because some team members had prior commitments. However, this did not impact the efficiency of distributing the assessments. The team will stick to the presentation setup from the interim presentation, with Alicia in charge of the software demo and continuing with the same arrangement for creating slides. Due to the numerous responsibilities I have for my other units, I was very sceptical on whether I could finish my parts for the reports on time as within Week 11, I have had my major assessments for FIT3003 that holds 40% of my grade in FIT3003, FIT3179 test 2 which holds 15% of my grade in FIT3179, data visualization 2 assessment which holds 25% of my grade in FIT3179, data visualization 2 critique that holds 3% of my grade in FIT3179, and the test report as well as the user guide for FIT3164 which holds 15% of my grade in FIT3164. It was a hectic schedule where I must complete numerous reports and assessments within 1 week of the semester to ensure no late penalty is applied onto my grades for these assessments. I have albeit started on certain assessments in the earlier week, but I still feel the pressure and stress on whether I could really complete these assessments on time.

Critical Reflections

I was extremely concerned on whether I could really complete the test reports and user guide on time for FIT3164 as due to the nature of my team's project, the test report and user guide was expected to have a long document length due to the numerous required screenshots and elaboration needed to allow the user to utilise the webpage as intended. Nonetheless, I trust myself to hold myself together and try not to feel burnout as it might cause a snowball effect where I would not want to do anything but rest for a week. I have looked on the following Week 12 and understand immensely that I do not have the luxury of taking a break as long as 1 day as in the following week I also have similar number of assessments waiting for me to complete including a test. Initially, I have had one more assessment due on the end of Week 11 but due to the nature of how faculty of business is conducted, I was able to request a weeklong extension due to the late release of their assessments which I am grateful for. This without any question was a benefit to me as I was able to put my attention to more pressing assessments that have a closer deadline.

Assigned Roles/Tasks

I was tasked with completing most of the test report which includes the usability testing with exception of BlackBox testings and Integration testings which were assigned to my teammates. Nonetheless, for the user guide, the tasks allocated to each team members were equally distributed as this is due to the nature of my project as mentioned above where due to the completeness of the web application, numerous screenshots were added to assist in pointing the user in the right direction on how to use the

web application. At this point of time, the technical aspect of the project is decided anomaly by the team to be done and completed. We have also decided that if by any chance the team was selected for the 'Best FYP Awards' then we would take out some time to improve on the project as suggested by the volunteers who opt to help test the project for the usability testing.

Accomplishments

The team finished the testing report and user guide surprisingly early, leaving half a day for reviewing before the Friday deadline. When I handed in the testing report and user guide, I felt a great sense of pride in myself and the team for successfully finishing the overwhelming number of assessments thrown at us during Week 11. It was also a bittersweet feeling as I have also acknowledged that after this semester, I would not have the same stress, same assessments, same learning environment anymore in the future as this would be my last semester as a university student.

Next Week's Tasks/Reflections

I plan to continue to start my upcoming assessment due during the following week, Week 12, to finish early and have extra time for rest and leisure activities. I also intend to discuss with my team members via WhatsApp chat about tasks allocation for the upcoming assessments in this unit, which include the Team Management Report and Final Project Report.

Week 12

Tasks Undertaken

The tasks allocation for both Team Management Report and Final Project Report was completed by Monday of Week 12 so each team member could start early on the report writing with priority given to the Team Management Report as it has an earlier deadline as compared to the Final Project Report. The team has also anomaly agreed to that fact that the requirements for the Final Project Report were a bit too much and require lots of time and effort to complete despite having a due date after SWOTVAC week. This was also mainly because more than half of the team having exams on the 7th of November, so time was tight to complete the Final Project Report on-time. For Week 12, although the amount of assessment I have is not as much as the previous week, but it was not less too where I have a 40% weightage assessment for ETW3482, OLAP quiz for FIT3003, as well as the Team Management Report, final presentation and software demonstration for FIT3164. My team had the benefit of having the first team for the Monday slot which implies that after completing the presentation, my team could leave and return home to complete the Team Management Report. I felt pleased and appreciative as the team consistently finished the meeting minutes promptly following each meeting, which enables the team to essentially finish the most time-consuming aspect of the Team Management Report with only certain parts of the Team Management Report left to complete.

Critical Reflections

The team's consistent approach to promptly completing meeting minutes significantly eased the workload for the Team Management Report. This demonstrated strong collaboration and organizational skills within the group. Reflecting on this, I realize that early and ongoing documentation of our progress was key to saving time when it mattered most, particularly during busy periods. This positive practice of staying organized and proactive allowed us to focus on more critical aspects of the report without scrambling for details at the last minute. Moving forward, we could apply this same strategy to other areas, such as report writing, to further streamline our work and improve overall efficiency.

Assigned Roles/Tasks

For the Team Management Report, I was responsible for writing the sections covering the introduction, the team problems we faced, the issues encountered, and how we addressed them. This task gave me the opportunity to reflect on our journey as a team and the strategies we used to overcome challenges. Additionally, as part of our team's approach to the critical evaluation of each member, I was assigned to evaluate Alicia. This allowed me to offer a balanced assessment of her contributions for the project. Reflecting on these responsibilities, I recognize the importance of clear communication and problem-solving in team dynamics, as well as the value of constructive feedback for personal and team growth.

Accomplishments

The team successfully completed the Team Management Report by Thursday, leaving us with some extra time to review and ensure the quality of the work before submission. This outcome was in line with my expectations, as our consistent efforts throughout the week allowed us to stay on track. Reflecting on this, I feel that the early completion not only gave us the chance to refine our work but also highlighted the importance of pacing ourselves to avoid last-minute pressure. It reinforced my belief that careful planning and steady progress are key to managing deadlines effectively.

Next Week's Tasks/Reflections

There were no major assessments for FIT3164 due in Week 13 which is SWOTVAC week, but the team collectively decided to begin working on the final project report by the second day of SWOTVAC. This decision was made to give us some recovery time after the intense workload of the previous two weeks. Reflecting on this, I believe it was a wise choice to allow ourselves a brief break before diving back into the report. This not only helped us regain focus but also ensured that we could approach the task with fresh perspectives and energy.