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| CS2S567\_2020\_v1: Professional Practice and Employability, Team Based Software Development Workshop |
| Portfolio |
| Team 2 (1pm-2pm) |

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| Ben Harrison  18142915 |

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| Weeks 1 | **Project Setup** |
|  | **Own** |
| **Activities undertaken** | I completed Chapter 1 of MyProgrammingLabs (Hardware and Software, How Computers Store Data, How a Program Words, Using Python)  During our first meeting, I setup a Trello board, a Github repository, and created a Discord channel to use for communication. |
| **Outcome of QA activities** | By setting up tools like Trello and Github, it gave our team the framework to work together seamlessly.  Trello helps us monitor team member’s contribution and helps us track tasks that need to be completed and by who. Github ensures every member in our team has access to the material they will need to progress. Discord will be our team’s main form of communication. All of our meetings will occur via Discord voice chat, and we have dedicated channels to discuss our work as a team. |
| **Issues Experienced and how they were overcome** | I didn’t experience any issues when completing these activities. |
| **Personal QA development** | Working through MyProgrammingLab has taught me the fundamentals of Python and helped me learn as I’ve never used the language before.  Establishing tools to use within our team has allowed us to communicate and experience what it’s like to work within a professional team. |
| **Evidence of own activities** | Evidence included in appendix table. |

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| Weeks 2 | **Project Setup** |
|  | **Own** |
| **Activities undertaken** | I created a realistic mock-up of our PIM System using Visual Studio C# Forms based off Jess’ drawn mock-up.   I continued with MyProgrammingLabs and completed Chapter 2 (Designing a Program, Input, Processing, Output, Displaying Output with the Print Function, Comments, Variables, Reading Input from the Keyboard, Performing Calculations, More about Data Output, and Programming Projects) |
| **Outcome of QA activities** | The realistic mock-up helped our team visualise what our PIM System will look like, helping us make more accurate decisions on the design process.  Continuing with MyProgrammingLabs helped to broaden my knowledge of Python. |
| **Issues Experienced and how they were overcome** | I found it hard to visualise a PIM System when using the drawn mock-up created by Jess, so I created a realistic mock-up using Visual Studio C# Forms. |
| **Personal QA development** | I gained more of an understanding of what our PIM System will look like by designing a realistic mock-up.  Working on Chapter 2 of MyProgrammingLabs has given me more knowledge of Python, specifically Input and Output. I feel this will be very important when creating our system. |
| **Evidence of own activities** | Evidence included in appendix table. |

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| Weeks 3 | **Project Setup** |
|  | **Own** |
| **Activities undertaken** | I focused on research targeted towards Tkinter for this week. I focused on learning how to initialize a form and add different widgets to that form (Buttons, Labels, Input Boxes, etc). I used knowledge gained from last week’s MyProgrammingLabs to handle incoming inputs from the user on a Tkinter form.  I created a barebones Calculator program to get used to using Tkinter. |
| **Outcome of QA activities** | I’ve started to gain the knowledge needed to work on a prototype for our PIM System. I learned how to create a form and flesh it out with widgets and also how to handle input from the user.  I learned how to handle button clicks when creating a barebones calculator program. |
| **Issues Experienced and how they were overcome** | I faced a few issues when creating the barebones calculator app, like how to handle different operators. This was overcome by researching how other calculators handle these and adapting that into my research. |
| **Personal QA development** | I’ve broadened my knowledge of Tkinter and Python when conducting my research this week. This will be valuable when creating a prototype for our PIM System.  I’ve also gotten more comfortable using PyCharm. |
| **Evidence of own activities** | Evidence included in appendix table. |

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| Weeks 4 | **Project Setup** |
|  | **Own** |
| **Activities undertaken** | I worked on my slides for the team’s seminar slideshow. I was given the Team Collaboration, GUI mock-up and Tkinter Research slides to complete. These slides required a voice over.  Me and Jess finalised the seminar slideshow by compiling everyone’s slides and ensuring they fit in with our overall theme. After this, I emailed the seminar slides to Shaily.  I completed Chapter 3 of MyProgrammingLabs (If Statements, If-else statements, Comparing Strings, Nested Decisions, Logical Operators, and Boolean Variables) |
| **Outcome of QA activities** | I completed my personal slides and also finalised the whole seminar slideshow. This helped me reflect on what has been done in our group.  Chapter 3 of MyProgrammingLabs helped me learn about conditional statements that I can use when working on our PIM System. |
| **Issues Experienced and how they were overcome** | When receiving slides from everyone in our team, me and Jess faced the issue of everyone’s slides looking different and having different themes. To overcome this, we chose a theme to stick to, and adapted everyone’s slides to fit this theme. |
| **Personal QA development** | I worked on my teamwork skills when communicating with everyone in the team regarding their slides for the seminar.   I continued to develop my Python knowledge by learning about conditional statements using MyProgrammingLabs. |
| **Evidence of own activities** | Evidence included in appendix table. |

# Appendix

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| Evidence of Activities | |
| Week 1 | Trello Board    Github Repository  <https://github.com/BenB33/ProfessionalismTeam2>    Discord Voice/Chat Channel  MyProgrammingLab Chapter 1 |
| Week 2 | Realistic Mock-Up  MyProgrammingLabs Chapter 2 |
| Week 3 | Tkinter Python Research |
| Week 4 | My Seminar Slides  MyProgrammingLab Chapter 3 |