**CS2S567 Professional Practice and Employability:**

**Team Based Software Development Workshop**

**Team Portfolio**

**By**

*Jessica Fealy – Weeks 1 - 4*

*Ben Harrison – Weeks 5 – 8*

*Eduard Tenev – Weeks 9 - 12*

Team GitHub Link :

<https://github.com/BenB33/ProfessionalismTeam2>

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| Team Number | **2** |
| Team Task | Create a PIM system:   * Research TKinter * Research SQLite * Research and write a LESPI * Research and write a QA Document * Create flowcharts * Create a prototype |
| Team Members | Jessica Fealy  Ben Harrison  Komal  Harry  Ed |

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| Weeks 1 & 2 | **Project Setup** | | |
| Author: Jessica  18024092 | **Team** | **Own** | |
| **Activities undertaken** | Discussions about how the user interface should look and who should have access to the system  During the first week I was assigned with being team leader for the first 4 weeks of the project. During these weeks I assigned work to the other team members.  As a team we also discussed setting up Trello, GitHub and Discord to use for team management and communications  Discussed a time where all team members can meet weekly | Personal actitvies from these weeks can be found on my personal portfolio, which has been submitted along with this document or can be found on our teams github | |
| **Outcome of QA activities** | While discussing the requirements of the GUI, we noticed a lack of knowledge in python that required further research  Every Monday at 1pm all team members meet on Discord to discuss their progress |  | |
| **Activities resulting from QA process** | Ben created a Trello and Github adding all members to the respective platforms.  We all had a weekly plan meeting:  Appendix 1 - Discord creation  Appendix 2 – Team Meeting  Appendix 3 – Teamwork assignments  Appendix 4 – Trello board |  | |
| **Personal QA development** |  | | |
| **Evidence of own activities** |  | | |
| Weeks 3 | **Project Setup** | | | |
| Author: Jessica  18024092 | **Team** | | **Own** | |
| **Activities undertaken** | Members of the team researched implementation of TKinter and SQLite. The LESPI has been written in full and progress has been made on the Quality Assurance Documents  Ben has been trying ways to build forms and features of these forms.  Ed has been researched various methods used in TKinter, and how to make menus  Komal has been watching videos on how to use SQLite and how to implement with a GUI  Harry has been looking at flowcharts waiting for the quality assurance, he has also been researching | | Personal actitvies from this week can be found on my personal portfolio, which has been submitted along with this document or can be found on our teams github | |
| **Outcome of QA activities** | Many team members are gaining a more fundamental understanding how to use python and Tkinter.  LESPI has been sent to Shaily for review, with receiving her comments to mention the Computer Misuse Act explicitly. | |  | |
| **Activities resulting from QA process** | For all to continue working on myprogramminglab and to continue with research  LESPI will be amended to fit the comments from Shaily  Appendix 5 – work assigned  Appendix 6 – Comments from Shaily | |  | |
| **Personal QA development** |  | | | |
| **Evidence of own activities** |  | | | |

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| Weeks 4 | **Project Setup** | |
| Author: Jessica  18024092 | **Team** | **Own** |
| **Activities undertaken** | Week meeting commenced 2pm 9th Nov. Ben was absent due to personal reasons which he informed us of before the meeting. During the week each member has been doing their assigned work from the previous meeting, and each was assigned different work to complete for the following week. Ben was also assigned to be the new team leader from the 16rd Nov. Harry has written the first draft of the quality assurance document | Personal activities from this week can be found on my personal portfolio, which has been submitted along with this document or can be found on our teams Github. |
| **Outcome of QA activities** | All team member have more understanding of what is expected for the slide shows and how far along the process each member is  Trello board updated |  |
| **Activities resulting from QA process** | Ed and Harry were assigned to complete the Database and design sections of the QA doc.  Jessica and Komal were assigned to work together to complete the flowchart  Ben was assigned to complete further research  All team members to work on and to email Jessica their slide shows for merging before Monday  Appendix 7 – Week 4 work assignment  Appendix 8 – Week 4 Trello board  Appendix 9 – Slide show discussion |  |
| **Personal QA development** |  | |
| **Evidence of own activities** |  | |

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| Weeks 5&6 | **Project Setup** | |
| Author: Ben Harrison | **Team** | **Own** |
| **Activities undertaken** | During week 5, the team finished up our seminar slides and our final seminar slideshow was sent off to Shaily.   During week 6, the team dedicated time for further research into Tkinter and Python ready to start the prototype PIM System. | During week 5, me and Jess put together everyone’s seminar slides into one big slideshow, ensuring they stick to the same theme.   During the week 6 meeting, I instructed the team to dedicate time into researching specific Tkinter and Python techniques. During week 6, I researched Tkinter forms and how to lay out a form using a coordinate system instead of using a grid or packing. |
| **Outcome of QA activities** | Our team met the deadline set for the seminar slideshow and sent it off in time.  We broadened our knowledge in Tkinter and Python, specifically techniques that would help us with the prototype | I emailed the final seminar slideshow to Shaily, ensuring it was sent on time.  I learnt more about Tkinter forms and how to use a coordinate system when laying out a GUI. |
| **Issues Experienced and how they were overcome** | No issues were experienced as a team. | Everyone’s slides used a different theme, so once the slides were sent over, me and Jess spent time making sure all of the themes matched our main seminar theme. |
| **Personal QA development** | I gained team working experience when gathering everyone’s work, combining them together, and sending them off within a deadline.  My knowledge of Tkinter forms was broadened, specifically towards laying out widgets on a form. I learned how to use a coordinate system, instead of packing or using a grid system like I previously did. | |
| **Evidence of own activities** | Evidence in the appendix | |

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| Weeks 7&8 | **Project Setup** | |
| Author: Ben Harrison | **Team** | **Own** |
| **Activities undertaken** | We spent the last 2 weeks before breaking up for Christmas break brainstorming ideas for a prototype for our program. Alongside the prototype discussions, we also worked on our own individual MyProgrammingLab progress and research that we would find useful when creating our program. | I worked on the employee data side of the portfolio while Jess focused on the login system. I completed some of my MyProgrammingLab activities and researched different ways to lay out our program using Tkinter. |
| **Outcome of QA activities** | We had more knowledge on what our program will look like and how we’re going to achieve it.  Our python knowledge is improving the more research we are conducting. | I used the research from week 6 and used a coordinate system to lay out the buttons and other widgets in our PIM Prototype. |
| **Issues Experienced and how they were overcome** | No issues were experienced as a team | When starting off the program, I found it hard to determine where to place buttons etc on the prototype, but with practise, and using the mock-up, I ended up finishing the prototype widget layout. |
| **Personal QA development** | When implementing functionality to prototype, I learned how to add functions to button click actions, and also how to interact with list boxes and text boxes.  My time as team leader has given me experience in leading a team and allocating tasks evenly between members of the team. I feel like we worked well while I was team leader and we progressed well. | |
| **Evidence of own activities** | Evidence in the appendix | |

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| Weeks 9&10 | **Project Setup** | |
| Author: Eduard Tenev | **Team** | **Own** |
| **Activities undertaken** | Started with dividing the work for our second seminar. We have chosen to make PowerPoint about the programming languages.  Jess – C++. Ed - Python Ben – C#. Harry – Java Script  Komal – Java. | Personal activities from this week can be found on my personal portfolio, which has been submitted along with this document or can be found on our teams github |
| **Outcome of QA activities** | Every one of us made an excellent research on their topic. During this research we learned new information about some of the languages and we learned how to present them Infront of different audience. |  |
| **Issues Experienced and how they were overcome** | No issues were experienced as a team |  |
| **Personal QA development** |  | |
| **Evidence of own activities** | Evidence in the appendix | |

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| Weeks 11&12 | **Project Setup** | |
| Author: Eduard Tenev | **Team** | **Own** |
| **Activities undertaken** | Week 11: We had our meeting to discuss the final view of the power point seminar.  Week 12: We went over the next stage duties and how we can divide the work.  The trello board was updated | Personal activities from this week can be found on my personal portfolio, which has been submitted along with this document or can be found on our teams github |
| **Outcome of QA activities** | We met the deadline set for the seminar slideshow and sent it off in time.  Everyone had duties assigned to them for researching and continuing development of the program |  |
| **Issues Experienced and how they were overcome** | No issues were experienced as a team |  |
| **Personal QA development** |  | |
| **Evidence of own activities** | Evidence in the appendix | |

# Appendix

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| Appendix 1 – Discord Creation |  |
| Appendix 2 – Team meetings time discussed |  |
| Appendix 3 – Spoken about what tasks are required to be completed |  |
| Appendix 4 – Trello board |  |
| Appendix 5 –  Team work assignment |  |
| Appendix 6 – Comments from Shaily |  |
| Appendix 7 – Week 4 work assignment |  |
| Assignment 8 – Week 4 Trello board |  |
| Appendix 9 – Slide Show discussion |  |
| **Week 5** | Sending finished seminar slides to Shaily |
| **Week 6** | Organising a team meeting to discuss our tasks for the week  Research into Tkinter form layout using coordinates |
| **Week 7** | Letting the team know to continue with research |
| **Week 8** | Prototype layout and functionality (Add employee, delete employee, and clear employee buttons) |

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| **Week 9 & 10** | Text  Description automatically generated  A screenshot of a video game  Description automatically generated |
| **Week 11 & 12** | Graphical user interface, text  Description automatically generated  Graphical user interface, application  Description automatically generated |