# Work Diary – Xinwei Jiang

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| **Date:** 17/09/2016 |
| **Tasks Assigned:**   1. Start to learn QT    1. Watch some QT tutorial videos    2. Try to do something by QT |
| **Time Allocated:**   1. 30 Minutes |
| **Actual Time:**   1. 37 Minutes |
| **Tasks Action:**   1. Complete   Watched the videos about how to make a simple GUI, and how to add push buttons and how to add the function to the button. |
| **Comments:**  Gained the basic knowledge about QT. |

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| **Date:** 18/09/2016 |
| **Tasks Assigned:**   1. Learn QT    1. Finish all the video which are downloaded from the Internet. 2. Start to do Login GUI    1. Make the simple interface, such as add label, pushbutton, line edit.    2. Add function to pushbutton. 3. Start to do Register GUI    1. Make the simple interface, such as add label, pushbutton, line edit.    2. Add function to pushbutton 4. Write the initial iteration plan about Login interface and Register interface |
| **Time Allocated:**   1. 3 hours 2. 1 hour 3. 1 hour 4. 45 minutes |
| **Actual Time:**   1. 3.5 hours 2. 1.5 hour 3. 1.3 hour 4. 5o minutes |
| **Tasks Action:**   1. Complete 2. Partially complete    1. Complete    2. Partially complete   Realized to get data from the GUI.  Because the database hasn’t been set up, cannot get the password or username from the database to match the password or username which are typed by user.   1. Partially complete    1. Complete    2. Partially complete   Realized to get data from the GUI. Because the database hasn’t been set up, cannot insert the data into the database.   1. Complete |
| **Comments:**  Basically finished the interface of Login and Register, maybe need to add a logo to make the interface more pretty. Database should be set up soon. |

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| **Date:** 19/09/2016 |
| **Tasks Assigned:**   1. Connect QT with MySQL |
| **Time Allocated:**   1. 1.5 hour |
| **Actual Time:**   1. 4 hours |
| **Tasks Action:**   1. Complete |
| **Comments:**  Spent too much time on installing the driver of MySQL. |

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| **Date:** 22/09/2016 |
| **Tasks Assigned:**   1. Continue to write Login interface    1. Add logo    2. Finish the function about click the pushbutton. 2. Continue to write Register interface    1. Finish the function about click the pushbutton. 3. Create the table USER in database 4. Write the iteration plan about Login and Register |
| **Time Allocated:**   1. 45 minutes 2. 30 minutes 3. 20 minutes 4. 45 minutes |
| **Actual Time:**   1. 1 hour 2. 32 minutes 3. 15 minutes 4. 30 minutes |
| **Tasks Action:**   1. Complete 2. Complete 3. Complete 4. Complete |
| **Comments:**  After finishing the Login interface and Register interface, I knew the basic knowledge about how to use QT to write the application and connect with database. Spent too much time on Login and Register, I hope for the other interface I can finish quickly. |

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| **Date:** 25/09/2016 |
| **Tasks Assigned:**   1. Reorganised the code for Login and Register based on B-C-E model. |
| **Time Allocated:**   1. 45 Minutes |
| **Actual Time:**   1. 1.5 hour |
| **Tasks Action:**   1. Complete |
| **Comments:**  Finished to reorganised the code. Got the control class(database.cpp and database.h) and entity class(user.cpp and user.h) from the GitHub which are wrote by Nathaniel. |

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| **Date:** 28/09/2016 |
| **Tasks Assigned:**   1. Start to do Edit profile interface.    1. Make the interface    2. Add function to the pushbutton. 2. Write the initial iteration plan about Edit profile interface |
| **Time Allocated:**   1. 60 Minutes 2. 45 Minutes |
| **Actual Time:**   1. 70 Minutes 2. 37 Minutes |
| **Tasks Action:**   1. partially complete    1. complete    2. partially complete   Didn’t finish the profile picture and the list widget about subscription.   1. Complete |
| **Comments:**  Basically I just did the same thing as Login interface, so didn’t cost me a lot of time.  Need to search some information about how to use the list widget and how to show the profile picture and upload the picture to the database. |

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| **Date:** 30/09/2016 |
| **Tasks Assigned:**   1. Continue to do the Edit profile interface    1. Search on the Internet about how to use list widget.    2. Continue to the list widget about subscription. 2. Write the second iteration plan about Edit profile interface |
| **Time Allocated:**   1. 60 Minutes 2. 45 Minutes |
| **Actual Time:**   1. 90 Minutes 2. 40 Minutes |
| **Tasks Action:**   1. Complete 2. Complete |
| **Comments:**  Nearly finished the edit profile, but still confused about show profile picture which is stored in the database. |

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| **Date:** 05/10/2016 |
| **Tasks Assigned:**   1. Start to do the View profile interface.    1. Make the interface    2. Add function to pushbutton. 2. Write the initial iteration plan about View profile interface. |
| **Time Allocated:**   1. 60 Minutes 2. 45 Minutes |
| **Actual Time:**   1. 75 Minutes 2. 32 Minutes |
| **Tasks Action:**   1. Partially complete    1. Complete    2. Partially complete   The same problem as Edit profile   1. Complete |
| **Comments:**  Those interfaces have a lot of similar part, but also have some new problems to fix. |

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| **Date:** 21/10/2016 |
| **Tasks Assigned:**   1. Start the test cases    1. Decided the format of the test cases.    2. Add test cases for login, register, edit profile and view profile. |
| **Time Allocated:**   1. 45 minutes |
| **Actual Time:**   1. 77 minutes |
| **Tasks Action:**   1. complete |
| **Comments:** |

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| **Date:** 22/10/2016 |
| **Tasks Assigned:**   1. Design the class diagram based on BCE model    1. Design the class diagram for login    2. Design the class diagram for register    3. Design the class diagram for edit profile 2. Design the state diagram    1. Design the state diagram for object user    2. Design the state diagram for object bug |
| **Time Allocated:**   1. 45 minutes 2. 45 minutes |
| **Actual Time:**   1. 57 minutes 2. 30 minutes |
| **Tasks Action:**   1. complete 2. partially complete    1. complete    2. not complete |
| **Comments:**  Too many operations in each class, for the object bug, still need to figure out how many states it has. |

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| **Date:** 24/10/2016 |
| **Tasks Assigned:**   1. Add the iteration demo to the iteration plan document |
| **Time Allocated:**   1. 10 minutes |
| **Actual Time:**   1. 17 minutes |
| **Tasks Action:**   1. complete |
| **Comments:**  Easy work! |

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| **Date:** 25/10/2016 |
| **Tasks Assigned:**   1. State diagram for bug 2. Start to write test plan    1. Add function testing |
| **Time Allocated:**   1. 20 minutes 2. 30 minutes |
| **Actual Time:**   1. 25 minutes 2. 48 minutes |
| **Tasks Action:**   1. complete 2. complete |
| **Comments:**  Still have a lot of work on testing. |

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| **Date:** 26/10/2016 |
| **Tasks Assigned:**   1. Write the test report    1. Do black box test, and get the screenshot of the result, compare with the expected output. |
| **Time Allocated:**   1. 60 minutes |
| **Actual Time:**   1. 105 minutes |
| **Tasks Action:**   1. complete |
| **Comments:**  Too many test cases. |

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| **Date:** 27/10/2016 |
| **Tasks Assigned:**   1. Double check all my works |
| **Time Allocated:**   1. 60 minutes |
| **Actual Time:**   1. 75 minutes |
| **Tasks Action:**   1. complete |
| **Comments:**  Finally finished! |