**Criterion B: Record of Tasks**

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|  | **Candidate: Yuhao Chen** | | | | |
| **Task number** | **Action** | **Outcome** | **Time estimate** | **Completion date** | **Criterion** |
| 1 | Start discussion with Comp. Sci. teacher | Idea approved by Mr. Amit | 15 minutes | 16 April 2018 | A |
| 2 | First meeting with the client | The client told me about the difficult she faces with the manual allocation method, and we discussed the practicality of making a software to solve the problem, and the client agreed on it. | 55 minutes | 18 April 2018 | A |
| 3 | Second meeting with the client | Postponed by the client | -- | 20 April 2018 | A, B |
| 4 | Second meeting with the client | The details of the software were discussed, such as the data input and output, the functionalities required, success criteria, and etc. | 40 minutes | 23 April 2018 | A, B |
| 5 | Design software outline | Screen layouts and the system flowchart were designed to show the client. | 5 days | 30 April 2018 | B |
| 6 | Third meeting with the client | The software design was approved by the client | 15 minutes | 7 May 2018 | B |
| 7 | Develop the GUI of the software | Finished GUI development (without any functionalities) | 5 days | 26 May 2018 | C |
| 8 | Develop the internal mechanism of the software, including the genetic algorithm | First draft of the complete software finished | 40 days | 20 July 2018 | C |
| 9 | Perform Alpha testing according to the test plan | The software did not pass the “Allocation Test” | 2 hours | 21 July 2018 | C |
| 10 | Debug the Genetic Algorithm | After altering the fitness function, the software passed the “Allocation Test” | 4 hours | 21 July 2018 | C |
| 11 | Give the software to the client for Beta Testing | Some feedback on how to improve the usability was collected from the client | 3 days | 7 August 2018 | C |
| 12 | Make changes as per the feedback from the client | “Switch students from two different rooms” function is added; Separated first-year students and second-year students in Configuration page. | 2 days | 10 August 2018 | C |
| 13 | Fourth meeting with the client | The final draft of the software was shown to the client and approved. | 30 minutes | 11 August 2018 | C |
| 14 | Evaluate the product | The product is evaluated based on the success criteria set in the beginning | 3 hours | 11 August 2018 | E |
| 15 | Implement the new system | The product was implemented, and feedbacks were taken from the client | -- | 11 August 2018 | E |
| 16 | Make a list of possible future developments to the software based on the feedbacks | List made | 2 hours | 20 August 2018 | E |
| 17 | Make demonstration video | Video made | 2 hours | 5 March 2019 | D |