Criterion B—Record of Tasks

Task #	Planned action	Planned outcome	Time estimated	Target completion date	criterion
1	Meet with the client to discuss about the problem	Define the scenario and create a draft of success criteria	2 weeks	April 25, 2016	A
2	Meet with the client to discuss the success criteria	Refine and decide the success criteria	2 weeks	May 10	A
3	Design the general solution	Finish the overall flowcharts, structure chart, and GUI designs	2 weeks	May 25	B
4	Research on genetic algorithm	The preliminary design of the implementation of the algorithm	1 week	June 1	B
5	Design the implementation of genetic algorithm that is suitable to solution	Finish Pseudo-code; design data structure (Hashmap, ArrayList, array, etc.) that represents the concepts of genetic algorithm	2 weeks	June 15	B
6	Develop classes of Student, Teacher, IBClass, and Course	Develop required fields and methods of each class	1 week	June 22	C
7	Develop input methods of the program	Able to input data from formatted files	1 week	June 29	C
8	Implement the genetic algorithm for the solution	Generate preliminary results to check if the results satisfy success criteria	2 weeks	August 15	C
9	Improve the genetic algorithm and develop output methods of the program	Output data and check if the results satisfy success criteria	1 week	August 23	C
10	Meet with the client for feedback	Get feedback after interviews	2 weeks	September 15	E
11	Improve the existing solution	The improved solution can better satisfy the client's needs	2 weeks	October 1	B, C
12	Develop the GUI features of the solution	Finish the GUI of the solution	2 weeks	October 15	C

13	Develop exception-handling modules	Able to cope with all kinds of input exceptions	2 weeks	November 1	C
14	Meet with the client for the feedback	Get feedback after interviews and improve the existing solution	3 weeks	October 20	B, C, E
15	Create instructions and a video for the system and train the client	Finish the instructions and video and make sure the client is able to use the system	2 weeks	November 1	D
16	Final consultation with the client for feedback	Final feedback gathered	2 week	November 15	E
17	Complete evaluation of the system	Identify areas for growth	1 week	November 25	E