## Criterion B: Record of tasks

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Task number | Planned action | Planned outcome | Time estimated | Target completion date | Criterion |
| 1 | Meet with advisor: Computer Science teacher | Proposed idea is approved by advisor | 15 min | 6/12/2016 | Appendix 1, A |
| 2 | Meet with my Spanish tutor, Mrs. Rodriguez and explain to her my proposal | Mrs. Rodriguez agrees to the computer based solution | 20minutes | 6/23/2016 | Appendix 1, A |
| 3 | Discuss possible features that her scheduler will have | Have a list of criteria to test for the programs functionality | 40 minutes | 6/30/2016 | Appendix 1, A |
| 4 | Flowchart is made to diagram the various processes of the program | A better idea how to program a solution for each of the processes | 1 hour 30 min | 7/15/2016 | B |
| 5 | Use the flowchart to develop Java classes and write down methods, constructors and variables | All the Java Classes have a description of their purpose and functionality | 2 hours | 7/20/2017 | B |
| 6 | Research the different and most appropriate APIs needed to create reminders and represent a Date | Know which API's to use and how to incorporate them in program | 1 hour 20 min | 7/30/2016 | B,C |
| 7 | Develop a GUI display for classes that require a GUI interface | Successfully program the classes so they show the interface | 1 hour | 8/12/2016 | C |
| 8 | Read information from text files and display them in a list | Displays the information in a JTable and scroll pane | 1 hour | 8/20/2016 | C |
| 9 | Implement a sorting algorithm | The information displayed in a JTable is in order(alphabetically for students and chronologically for appt) | 1.5 hours | 8/25/2016 | C |
| 10 | Program a functioning Add Method for Student and Appointment | New Students and Appointments can be added | 2.5 hours | 9/04/2016 | C |
| 11 | Program a functioning Search for Student an Appointment | Student and Appointments can be searched. | 4 hours | 9/14/2016 | C |
| 12 | Program a function remove method for students and appointments | Students and Appointments are removed | 1.5 hours | 9/26/2016 | C |
| 13 | Program a functioning edit method for students and appointments | Students and appointment information can be edited. Changes are visible in an update list | 2.5 hours | 10/16/2016 | C |
| 14 | Program Reminders for each upcoming appointment for a day before the appt's date | An alarm sound is played and JFrame is displayed telling user that an appointment is scheduled for tomorrow | 2hours | 10/30/2016 | C |
| 15 | Dummy proof GUI so no crashes occur due to user entries | Debug program to catch and fix all errors | 5.5 hours | 11/17/2016 | C |
| 16 | Update description of Java classes by adding any new classes, methods , variables and constructors | Java Class descriptions are updated | 1 hour | 11/19/2016 | B |
| 17 | Create an executable jar file and send to tutor to test program | Tutor receives email with jar file of application and gives feedback on improvements | 20 minutes | 11/20/2016 | C, Appendix |
| 18 | Fix any errors that tutor may have found or features she wanted to improve. | All improvements are made and software works accordingly | 1 hour 15 min | 11/29/2016 | C, Appendix |
| 19 | Make a video to demonstrate the functionality of software. | A video demonstrating the functionalities of the software | 45 min | 12/09/2016 | D, Appendix |
| 20 | Create a document for complex portions of program and demonstrate use of OOP concepts. | A document displays the complexity of the code and the fundamental OOP concepts that were used | 4 hours | 12/24/2016 | C |
| 21 | Send tutor the final product. | Mrs. Rodriguez gives me feedback on how well the software is working for her | 20 min | 01/03/2017 | C |
| 22 | Evaluate program | Document that determines the strengths, weaknesses and how the program could be extended. | 2 hours | 1/21/2017 | E |