**Staement of Completeness (Assignment 3)**

**Team Id : 4**

**Team Members –**

**Ravideep Kaur (U1140816)**

**Parul Sharma (U1149906)**

**The State of the Assignment**

|  |  |  |
| --- | --- | --- |
|  | Tasks/Methods | Status |
| 1. | Main method (Main method of whole program) | Implemented (100%) |
| 2. | addRecords() (Function to add a new record) | Implemented (100%) |
| 3. | showRecords() (Function to show all the records in a table like format) | Implemented (100%) |
| 4. | isValidDate() (Function to validate a date ) | Implemented (100%) |
| 5. | isValidTime() (Function to validate a Time in an appointment | Implemented (100%) |
| 6. | isConcurrentAppointment() (Function to check whether this current record/appointment is already occupied by any other time slot) | Implemented (100%) |
| 7. | sortRecords() (Function to sort the appointments on the basis of priority High first and Low after) | Implemented (100%) |
| 8. | tallyRecords() (Function to print the tally of records on the basis of the given parameter) | Implemented (100%) |
| 9. | searchRecords() (Function to search a record/appointment on the basis of an input given by the user) | Implemented (100%) |
| 10. | Docstring in every implemented function. | Implemented (100%) |
| 11. | Commenting on every functionality added | Implemented (100%) |

**Meeting Attendance and Code Contribution Summary**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Participants  Name and Student Id | No. of Meetings Attended | Meeting Time | Code Contribution/Functions Implemented and Final Summary | No. of Lines Contributed |
| Ravideep Kaur (U1140816) | 4 | 13 May – 5:00 PM  (~1 hour)  14 May –  4:00 PM  (~1 hour)  15 May –  5:00 PM  (~1 hour)  20 May –  5:00 PM  (~2 hours) | * Main() method * addRecords() method * showRecords() method * isValidTime() method * writing DocString in each method * Commenting every functionality for better understanding | Line 297- Line 324  Line 196-Line 226  Line 182-Line 191  Line 111- Line125  ~60 Lines  ~40-50 Lines  Total Lines: 191 Lines |
| Parul Sharma (U1149906) | 4 | 13 May – 5:00 PM  (~1 hour)  14 May –  4:00 PM  (~1 hour)  15 May –  5:00 PM  (~1 hour)  20 May –  5:00 PM  (~2 hours) | * isValidDate() method * searchRecords() method * sortRecords() method * tallyRecords() method * isConcurrentAppointment() method | Line 128-Line 177  Line 58-Line 91  Line 94-Line 107  Line 229-Line 294  Line 1-Line 37  Total Lines: 198 Lines |

* All the lined mentioned above are including the lines of the helper function that is also used to implement a particular function.

**Meeting Attendance and Discussed points**

**13/May** -- Division of tasks and Some discussion on implementation and setup the environment like created the file and shared with partner.

**14/May** -- Implemented the Basic Method like main method and structure of the showRecords() method.

**15/May --** Discuss challenges faced during the implementation of other functions.

**20/May --** Final meeting discussed about creating final content for submission.Created Word file for the Statement of Completeness and made another doc file for the source code of the Jupyter Notebook.

**Problems Encountered**

1. Faced problem while implementing the isConcurrentAppointment() method, was unable to implement the logic of the function but after a lot of testing with a lot different test cases was able to implement it. This task was first assigned to me(Ravideep) but after when I was stuck at this Parul helped me out to solve this issue and we together solved it out.
2. Also faced difficulty while implementing the logic of tallyRecord(). To solve this problem I searched the web where I find other problems similar to this and got to know ideas how this can be solved.
3. As Parul sharma was not well for some days, me(Ravideep Kaur) when had some difficulty in implementing/coding was not able to connect with Parul immediately, so had to face some delay. I just had to waited and put that issue on hold and completed other ones first.

**Reflection (Lesson learned)**

Learnt to implement and solve a real life problem with the help of programming using the python programming language.

Apart from Academic learning about the assignment and the python learnt a lot about teamwork and importance of team work. Where I learnt to respect the other point of view and other team member’s availability.

An important reflection that I made out of this assignment is that in future whenever to code a problem/solution first make whole solution like the approach, do not code while the solution is not ready otherwise there can be problems while coding.