TIC2002 Introduction to Software Engineering  
AY2021/22 Semester 1

**Project report**

**Name**: Chang Meng Yeong Brandon

**Student Number**: A0194283X

**GitHub Username**: <https://github.com/Brandoncmy/duke>

|  |
| --- |
| **User stories** Give some user stories (5-10) that match your project.  This project is building a “Reminder” application for the user.  The user is able upload new task to the application including setting date and time for the event or deadline.  The task can have a status of completion or not.  Lastly, the user is able to view the list of task uploaded to the application. |
| **NFRs** Give some non-functional requirements (3-5) for your project.  All the tasks will be saved in a document list as long as it is entered by the user.  The application is able to capture the capitalize of small letter of the wording. So it will not go into error message. |
| **Level-1** Show the output Duke shows when you launch the program.  Under Duke.java |
| **Level-4** Give examples of command(s) and expected outputs for adding different types of tasks.  Under BeforeOOP.java |
| **Level-2** Give examples of command(s) and expected outputs for listing tasks.  Under BeforeOOP.java |
| **Level-3** Give examples of command(s) and expected outputs for marking/unmarking tasks as done.  Under BeforeOOP.java |
| **Level-5** Describe what kind of errors Duke can handle. E.g., give different types of incorrect commands (and the expected outputs) it can handle  Basically, Duke can only recognize keyword like “todo”, “deadline”, “event” , “list” , “done” , “delete”  Todo error:    Deadline error:    Event error:    Done error: |
| **Level-6** Give examples of command(s) and expected outputs for deleting tasks. |
| **Level-7** Give a sample of the tasks as they are stored in the hard disk.    e.g.,  T | 1 | read book  D | 0 | return book | June 6th  E | 0 | project meeting | Aug 6th 2-4pm  T | 1 | join sports club |
| **Level-8** Explain how Duke uses dates/times i.e., what commands can use dates/times in meaningful ways?  Java has an inbuilt library (java.time.LocalDateTime).  Duke can this this function to combines data and time, but without any time-zone. |
| **Level-9** Give examples of command(s) and expected outputs for searching for tasks.  My OOP is not working after several attempt and unable to debug…  So I will refer to “beforeOOP.java” to describe this function. Thus, user will need to input “list” to search the task. |
| **Level-10**/**individual feature** If you implemented a GUI, give some screenshots. If you implemented an individual feature, describe that feature.  No implemented. |
| **Other features** Describe other features you implement (i.e., not described above), if any e.g., optional increments.  Not available. |
| **A-MoreOOP** Give a class diagram to match your code.    Give at least one object diagram illustrating the state of your program at some point. It should include at least one object of each of the important classes in your project.  Give at least one sequence diagram illustrating an object interaction in your product. |
| **A-JavaDoc**: Give at least 2 javadoc comments from you code. |
| **A-JUnit**: Give 2-3 JUnit test methods from your code. |
| **A-Assertions**: Give at least 2 code segments that contain assertions you added to your code. |
| **Suggested test commands** Give a list of commands a tester can execute in sequence to examine your product. Cover all features in a reasonable order. E.g.,  list  todo borrow book  deadline return book /by Sunday  done 2 |