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**Test Case Scenarios**

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| Scenario | Input | Expected Result |
| 1. Check valid description for add task. | Add study for web test  Or  Add  Enter task description>>> study for web test  Enter Completed>>>  Enter Priority>>>  Enter Project>>>  New line | Task # added |
| 1. Check for no description for add task. | Add  Enter task description>>>  New line | Please enter a real description for your task |
| 1. Check invalid characters in description for add task. | Add study# for! web test  Or  Add  Enter task description>>> study# for! web test  New line | Please enter a valid priority number with a ! in front. |
| 1. Check valid priority for add task. | Add study for web test !2  Or  Add  Enter task description>>> study for web test  Enter Completed>>>  Enter Priority>>>!2  Enter Project>>>  New line | Task # added. |
| 1. Check invalid priority for add task. | Add study for web test !!!2  Or  Add  Enter task description>>> study for web test  Enter Completed>>>  Enter Priority>>>!!!!!2  Enter Project>>>  New line | Too many !'s in front of the project name. |
| 1. Check valid project for add task. | Add study for web test !2 #project  Or  Add  Enter task description>>> study for web test  Enter Completed>>>  Enter Priority>>>  Enter Project>>> ######project  New line | Task # added. |
| 1. Check invalid project for add task. | Add study for web test !2 ######project  Or  Add  Enter task description>>> study for web test  Enter Completed>>>  Enter Priority>>>  Enter Project>>> ######project  New line | Too many #'s in front of the project name. |
| 1. Check valid update | upd 2 Study for Web test | Updated Task 2 |
| 1. Check valid description for update with just task number | Upd 2  Enter new description>>>study for prog test.  Enter new priority>>>  Enter new project>>>  New line | Updated Task 2 |
| 1. Check valid priority for update with just task number | Upd 2  Enter new description>>>  Enter new priority>>>!3  Enter new project>>>  New line | Updated Task 2 |
| 1. Check valid project for update with just task number | Upd 2  Enter new description>>>  Enter new priority>>>  Enter new project>>>#school  New line | Updated Task 2 |
| 1. Check invalid description for update with just task number | Upd 2  Enter new description>>>study!!!### for prog test.  Enter new priority>>>  Enter new project>>>  New line | Cannot add characters for description. Please re enter description with letters only a-z A-Z/ |
| 1. Check invalid priority for update with just task number | Upd 2  Enter new description>>>  Enter new priority>>>!!!$2332  Enter new project>>>  New line | Too many !'s in front of the project name. |
| 1. Check invalid project for update with just task number | Upd 2  Enter new description>>>  Enter new priority>>> project>>>####!@#projectName  New line | Too many #'s in front of the project name. |
| 1. Check valid remove on task | Rem 3 | Task 3 removed! |
| 1. Check invalid task id for remove on task | Rem 300001 | Can't find task with the specified id |
| 1. Check extra spaces for task id for remove task | Rem 3 | Can't find task with the specified id |
| 1. Check invalid characters in remove task | Rem AA31@1 | Please enter an Id after the command |
| 1. Check valid task id for completed task | Done 4 | Marked task 4 as done |
| 1. Check invalid task id for completed task | Done AAA2JJN | Please enter an Id after the command |
| 1. Check list all with no tasks in the list | List all | Sorry. There are no tasks in your list to display. |
| 1. Check list all with more than one task in the list | List all | Task 1: Complete work on prototype conversion, for #school. Completed: not completed. 1 in your list of priorities.  Task 2: Study for Systems test, for #school. Completed: not completed. 1 in your list of priorities.  .  .  . |
| 1. Check list all with error in the file | List all | Exception caught: Tasks.txt is in the incorrect for to read the tasks. |
| 1. Check list all with nothing in the file | List all | Exception caught: Tasks.txt is empty. |
| 1. Check list all with extra characters in the input | List all anjkasfnn1 | Exception caught: Invalid command. Please enter in one of the following commands:  .  .  . |
| 1. Check list todo with one task that is completed | List todo | Task 1: Complete work on prototype conversion, for #school. Completed: not completed. 1 in your list of priorities. |
| 1. Check list todo with no tasks that are all completed | List todo | All your tasks are completed! Great job. |
| 1. Check list todo with error in the file | List todo | Exception caught: Tasks.txt is in the incorrect for to read the tasks. |
| 1. Check list todo with extra characters in the input | List todo anjkasfnn1 | Please enter a valid command |
| 1. Check purge with some completed tasks | purge | Task removed:  Task 1 …  Task 4 … |
| 1. Check purge with no completed tasks | Purge | Sorry, all your tasks are not completed. |