INTRO TO SOFTWARE ENGINEERING (CS-251)

**Code Report**

# **A computer and earth with arrows AI-generated content may be incorrect.**

# **Assignment 1 Task 1**

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# Todo – List

## Description

The program is a simple Command line-Interface Todo list with many basic and intermediate-advanced features.

We will go through a feature list then an explanation of the main function flow

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| --- | --- | --- |
| Feature Name | Brief Explanation | Number |
| Create new task | Adds a new task to the list, with basic information supplied like name, deadline and description | 1 |
| Remove existing task | Removes existing task supplied index num | 2 |
| Display all tasks | Prints out all saved tasks in a table-like form | 3 |
| Edit existing tasks | Change task deadline or description | 4 |
| Mark as done | Flags task as finished and updates statistic | 5 |
| Change list order | Automatically sorts by deadline or Importance ascendingly | 6 |
| Change task priority | Changes default task priority value of 1 | 7 |
| View task statistics | Displays Finished and unfinished tasks | 8 |
| Clear all | Deletes all tasks | 9 |
| Undo last delete | Brings back last removed task | 10 |
| Exit | Exits program | 11 |

## Main function flow

Start by initializing a scanner object to take input, going to a while loop menu with break case only when input is 11, displaying menu, and taking input in choice variable, and going through a switch-case statement to decide which operation to conduct