

INTRO TO SOFTWARE ENGINEERING (CS-251)

Code Report



Assignment 1 Task 1

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Todo – List

Click [here](#), for Demonstration Video

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

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