

Helpful Manual for HW9

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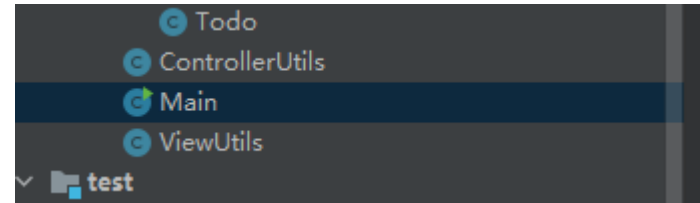
I. How To Use

II. Successful Output Examples

III. Exceptions

I. How To Use

1. Run the Main file



2. Type in command lines after “Command > ” appears in terminal , this will keep going

```
> Task :Main.main()
Command >
```

```
> Task :Main.main()
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date
```

3. Results will appear soon if command line is accurate

```
> Task :Main.main()
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","2"
```

4. Terminate Program by typing in “quit”

```
Command >
quit
GoodBye!
```

```
Deprecated Gradle features were used in this build, making it incompatible
```

II. Successful Output Examples

Content:

1. All possible commands are provided
2. Same commands with 1 but different order
3. No due - due set to default "?"
4. No priority - priority set to default "3"
5. Complete all the new todos just create, ID form 6-9
6. Sort by priority
7. Default display - Sort by ID
8. Display specific category - "work"
9. Display incomplete

1. All possible commands are provided

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date

```
> Task :Main.main()
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","?"
"6","go to office","false","09/28/2021","1","work"
"3","Study for finals","false","?","2","school"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
Command >
```

display in terminal

new todo created

sort by date

program keeps receiving commands

```
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"2","Mail passport","true","08/28/2021","3","?"
"3","Study for finals","false","?","2","school"
"4","Clean the house","false","08/15/2021","3","home"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
"6","go to office","false","09/28/2021","1","work"
```

csv file

	A	B	C	D	E	F	G	H
1	id	text	completed	due	priority	category		
2		1 Finish HW	TRUE	8/2/2021	1	school		
3		2 Mail passp	TRUE	8/28/2021	3	?		
4		3 Study for	FALSE	?	2	school		
5		4 Clean the	FALSE	8/15/2021	3	home		
6		5 Buy yarn f	TRUE	?	3	home		
7		6 go to offic	FALSE	9/28/2021	1	work		
8								
9								
10								
11								
12								
13								

csv file in Excel

2. Same commands with 1 but different order

--add-todo --todo-text go to office --due 09/28/2021 --category work --sort-by-date --csv-file todos.csv --display --priority 1

```
> Task :Main.main()
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","?"
"6","go to office","false","09/28/2021","1","work"
"3","Study for finals","false","?","2","school"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
Command >
--add-todo --todo-text go to office --due 09/28/2021 --category work --sort-by-date --csv-file todos.csv --display --priority 1
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","?"
"6","go to office","false","09/28/2021","1","work"
"7","go to office","false","09/28/2021","1","work"
"3","Study for finals","false","?","2","school"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
Command >
```

1

2

todo with same content is created

```
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"2","Mail passport","true","08/28/2021","3","?"
"3","Study for finals","false","?","2","school"
"4","Clean the house","false","08/15/2021","3","home"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
"6","go to office","false","09/28/2021","1","work"
"7","go to office","false","09/28/2021","1","work"
```

	A	B	C	D	E	F	G
1	id	text	complete	due	priority	category	
2		1 Finish HW	TRUE	8/2/2021	1	school	
3		2 Mail passp	TRUE	8/28/2021	3	?	
4		3 Study for	FALSE	?	2	school	
5		4 Clean the	FALSE	8/15/2021	3	home	
6		5 Buy yarn f	TRUE	?	3	home	
7		6 go to offic	FALSE	9/28/2021	1	work	
8		7 go to offic	FALSE	9/28/2021	1	work	
9							
10							

3. No due - due set to default "?"

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --category work --sort-by-date

```
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --category work --sort-by-date
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","?"
"6","go to office","false","09/28/2021","1","work"
"7","go to office","false","09/28/2021","1","work"
"3","Study for finals","false","?","2","school"
"5","Buy varn for blanket. stuffed toy","true","?","3","home"
"8","go to office","false","?" "1","work"
Command >
```

4. No priority - priority set to default “3”

--add-todo --todo-text go to office --csv-file todos.csv --display --due 09/28/2021 --category work --sort-by-date

```
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --due 09/28/2021 --category work --sort-by-date
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","?"
"6","go to office","false","09/28/2021","1","work"
"7","go to office","false","09/28/2021","1","work"
"9","go to office","false","09/28/2021","3","work"
"3","Study for finals","false","?","2","school"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
"8","go to office","false","?","1","work"
Command >
```

5. Complete all the new todos just create, ID form 6-9

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date --complete-todo 6 --complete-todo 7 --complete-todo 8 --complete-todo 9

```
> task :Main.main()
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date --complete-todo 6 --complete-todo 7 --complete-todo 8 --complete-todo 9
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","?"
"6","go to office","true","09/28/2021","1","work"
"7","go to office","true","09/28/2021","1","work"
"9","go to office","true","09/28/2021","3","work"
"10","go to office","false","09/28/2021","1","work"
"3","Study for finals","false","?","2","school"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
"8","go to office","true","?","1","work"
Command >
```

change from false to true

new todo

```
Command >
--add-todo --todo-text go to office --csv-file todos.csv --display --due 09/28/2021 --category work --sort-by-date
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"4","Clean the house","false","08/15/2021","3","home"
"2","Mail passport","true","08/28/2021","3","?"
"6","go to office","false","09/28/2021","1","work"
"7","go to office","false","09/28/2021","1","work"
"9","go to office","false","09/28/2021","3","work"
"3","Study for finals","false","?","2","school"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
"8","go to office","false","?","1","work"
Command >
```

previous

6. Sort by priority

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work

```
--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work
"id","text","completed","due","priority","category"
"1","Finish HW9","true","08/2/2021","1","school"
"6","go to office","true","09/28/2021","1","work"
"7","go to office","true","09/28/2021","1","work"
"8","go to office","true","?","1","work"
"10","go to office","false","09/28/2021","1","work"
"11","go to office","false","09/28/2021","1","work"
"3","Study for finals","false","?","2","school"
"2","Mail passport","true","08/28/2021","3","?"
"4","Clean the house","false","08/15/2021","3","home"
"5","Buy yarn for blanket, stuffed toy","true","?","3","home"
"9","go to office","true","09/28/2021","3","work"
```

7. Default display - Sort by ID

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work

Command >

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work

"id","text","completed","due","priority","category"

"1","Finish HW9","true","08/2/2021","1","school"

"2","Mail passport","true","08/28/2021","3","?"

"3","Study for finals","false","?","2","school"

"4","Clean the house","false","08/15/2021","3","home"

"5","Buy yarn for blanket, stuffed toy","true","?","3","home"

"6","go to office","true","09/28/2021","1","work"

"7","go to office","true","09/28/2021","1","work"

"8","go to office","true","?","1","work"

"9","go to office","true","09/28/2021","3","work"

"10","go to office","false","09/28/2021","1","work"

"11","go to office","false","09/28/2021","1","work"

"12","go to office","false","09/28/2021","1","work"

Command >

9. Display incomplete

--add-todo --todo-text go to office --csv-file todos.csv --display --show-incomplete --priority 1 --due 09/28/2021 --category work

Command >

```
--add-todo --todo-text go to office --csv-file todos.csv --display --show-incomplete --priority 1 --due 09/28/2021 --category work
```

```
"id","text","completed","due","priority","category"
```

```
"3","Study for finals","false","?","2","school"
```

```
"4","Clean the house","false","08/15/2021","3","home"
```

```
"10","go to office","false","09/28/2021","1","work"
```

```
"11","go to office","false","09/28/2021","1","work"
```

```
"12","go to office","false","09/28/2021","1","work"
```

```
"13","go to office","false","09/28/2021","1","work"
```

```
"14","go to office","false","09/28/2021","1","work"
```

Command >

III. Exceptions

Content:

1. no `--add-todo` command
2. no `--text-todo` command
3. no text
4. no `--csv-file` command
5. no csv file
6. no display
7. date and priority display together
8. `--due` is given but no todo due date
9. `--category` is given but no category
10. weird command is input (`--category` & `--category`)
11. `--complete-todo` but with no ID given
12. weird due date format

1. no --add-todo command

--todo-text go to office --csv-file todos.csv --display --due 09/28/2021 --category work --sort-by-date

Command >

Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions\$LackArgumentsException: --add-todo must be provided

Please recheck your command line with the manual below.

Usage:

REQUIRED ARGUMENTS		EXPLANATION
--csv-file <path/to/file>		The CSV file containing the todos. This option is required
--add-todo		Add a new todo. If this option is provided, then --todo-text must also be provided
--todo-text <description of todo>		A description of the todo
--completed		(Optional) Sets the completed status of a new todo to true

2. no `--text-todo` command

`--add-todo --csv-file todos.csv --display --due 09/28/2021 --category work --sort-by-date`

```
> Task :Main.main()
Command >
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$LackArgumentsException: --todo-text must be provided
Please recheck your command line with the manual below.

Usage:
-----
REQUIRED ARGUMENTS |                                                                                               EXPLANATION |
-----
--csv-file <path/to/file> |                                                                                   The CSV file containing the todos. This option is required |
-----
--add-todo |                                                                                               Add a new todo. If this option is provided, then --todo-text must also be provided |
-----
--todo-text <description of todo> |                                                                                   A description of the todo |
-----
--completed |                                                                                               (Optional) Sets the completed status of a new todo to true |
```

3. no text

--add-todo --todo-text --csv-file todos.csv --display --due 09/28/2021 --category work --sort-by-date

```
> Task :Main.main()
Command >
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$LackArgumentsException: No argument is provided by --todo-text
Please recheck your command line with the manual below.

Usage:
-----
REQUIRED ARGUMENTS | EXPLANATION |
-----
--csv-file <path/to/file> | The CSV file containing the todos. This option is required |
-----
--add-todo | Add a new todo. If this option is provided, then --todo-text must also be provided |
-----
--todo-text <description of todo> | A description of the todo |
-----
--completed | (Optional) Sets the completed status of a new todo to true |
```

5. no csv file

--add-todo --todo-text go to office --csv-file --display --due 09/28/2021 --category work --sort-by-date

```
> Task :Main.main()
Command >
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$LackArgumentsException: No argument is provided by --csv-file
Please recheck your command line with the manual below.

Usage:
-----
REQUIRED ARGUMENTS |                                                                                               EXPLANATION |
-----
--csv-file <path/to/file> |                                                                                               The CSV file containing the todos. This option is required |
-----
--add-todo |                                                                                               Add a new todo. If this option is provided, then --todo-text must also be provided |
-----
--todo-text <description of todo> |                                                                                               A description of the todo |
-----
--completed |                                                                                               (Optional) Sets the completed status of a new todo to true |
```


6. no display

--add-todo --todo-text go to office --csv-file todos.csv --due 09/28/2021 --category work --sort-by-date

```
> Task :Main.main()
Command >
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$LackArgumentsException: No display command is provided!
Please recheck your command line with the manual below.

Usage:
-----
REQUIRED ARGUMENTS | EXPLANATION |
-----
--csv-file <path/to/file> | The CSV file containing the todos. This option is required |
-----
--add-todo | Add a new todo. If this option is provided, then --todo-text must also be provided |
-----
--todo-text <description of todo> | A description of the todo |
-----
--completed | (Optional) Sets the completed status of a new todo to true |
```

7. date and priority display together

--add-todo --todo-text go to office --csv-file todos.csv --due 09/28/2021 --category work --sort-by-date --sort-by-priority

```
> Task :Main.main()
Command >
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$InvalidArgumentsException: Cannot sort by date and priority at the same time!
Please recheck your command line with the manual below.

Usage:
-----
REQUIRED ARGUMENTS | EXPLANATION |
-----
--csv-file <path/to/file> | The CSV file containing the todos. This option is required |
-----
--add-todo | Add a new todo. If this option is provided, then --todo-text must also be provided |
-----
--todo-text <description of todo> | A description of the todo |
-----
--completed | (Optional) Sets the completed status of a new todo to true |
```

8. --due is given but no todo due date

--add-todo --todo-text go to office --csv-file todos.csv --due --category work --sort-by-date --sort-by-priority

```
> Task :Main.main()
```

```
Command >
```

```
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$LackArgumentsException: No argument is provided by --due  
Please recheck your command line with the manual below.
```

```
Usage:
```

REQUIRED ARGUMENTS		EXPLANATION
--csv-file <path/to/file>		The CSV file containing the todos. This option is required
--add-todo		Add a new todo. If this option is provided, then --todo-text must also be provided
--todo-text <description of todo>		A description of the todo
--completed		(Optional) Sets the completed status of a new todo to true

9. --category is given but no category

--add-todo --todo-text go to office --csv-file todos.csv --display --due 09/28/2021 --category --sort-by-date

```
> Task :Main.main()
Command >
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$LackArgumentsException: No argument is provided by --category
Please recheck your command line with the manual below.

Usage:
-----
REQUIRED ARGUMENTS | EXPLANATION |
-----
--csv-file <path/to/file> | The CSV file containing the todos. This option is required |
-----
--add-todo | Add a new todo. If this option is provided, then --todo-text must also be provided |
-----
--todo-text <description of todo> | A description of the todo |
-----
--completed | (Optional) Sets the completed status of a new todo to true |
```

10. weird command is input (--category & --category)

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 09/28/2021 --category work --sort-by-date

```
> Task :Main.main()
Command >
Exception in thread "main" controllerModules.exceptions.InvalidCommandExceptions$InvalidArgumentsException: You have put in an illegal command
Please recheck your command line with the manual below.

Usage:
-----
REQUIRED ARGUMENTS |
-----
--csv-file <path/to/file> | The CSV file containing the todos. This option is required |
-----
--add-todo | Add a new todo. If this option is provided, then --todo-text must also be provided |
-----
--todo-text <description of todo> | A description of the todo |
-----
--completed | (Optional) Sets the completed status of a new todo to true |
-----
```

12. weird due date format

--add-todo --todo-text go to office --csv-file todos.csv --display --priority 1 --due 31.12.2021 --category work --sort-by-date

Command >

Your due date is in an invalid format!

Exception in thread "main" java.lang.NumberFormatException: For input string: "31.12.2021"

```
at java.base/java.lang.NumberFormatException.forInputString(NumberFormatException.java:65)
at java.base/java.lang.Integer.parseInt(Integer.java:652)
at java.base/java.lang.Integer.parseInt(Integer.java:770)
at controllerModules.commandOperation.CommandInfoCollection.collectDue(CommandInfoCollection.java:80)
at controllerModules.commandOperation.CommandInfoCollection.collectAll(CommandInfoCollection.java:43)
at controllerModules.commandOperation.CommandInfoCollection.<init>(CommandInfoCollection.java:34)
at controllerModules.commandOperation.CommandLineParser.<init>(CommandLineParser.java:38)
at ControllerUtils.controllerBody(ControllerUtils.java:42)
at ControllerUtils.create(ControllerUtils.java:32)
at Main.main(Main.java:7)
```

> Task :Main.main() FAILED

Execution failed for task ':Main.main()'.
> Process 'command 'C:/Program Files/Java/jdk-11.0.2/bin/java.exe'' finished with non-zero exit value 1

* Try:

Run with --stacktrace option to get the stack trace. Run with --info or --debug option to get more log output. Run with --scan to get full insights.