



# HW8 VER1 PROJECT PRESENTATION

By Colevy

# — What You Will Find Inside

- A feature to add data to a database
- A feature to search for data in the data base

# Feature 1: Data Input

```
(venv) PS D:\NKU\Fall2023\ase420\HW8\HW8-Project\ver1> python main.py
What would you like to do.
Enter 1 to input information
Enter 2 to search for information
What do you want to, Enter your choice 1 - 2:1
Enter date (YYYY-MM-DD): 2023-01-01
Enter start time in military time / 24 base (HH:MM): 12:30
Enter end time in military time / 24 base (HH:MM): 14:30
Enter task name: Homework
Enter task tag: School
Data successfully inserted into the database.
(venv) PS D:\NKU\Fall2023\ase420\HW8\HW8-Project\ver1> |
```

- This feature allows you to input data related to a task.
- This feature also maintains data formatting rules.

## Feature 2: Data Search

```
(venv) PS D:\NKU\Fall2023\ase420\HW8\HW8-Project\ver1> python main.py
What would you like to do.
Enter 1 to input information
Enter 2 to search for information
What do you want to, Enter your choice 1 - 2:2
What would you like to do.
Enter 1 to search for tasks on a date
Enter 2 to search for tasks that start at a certain time (in military time / 24 base)
Enter 3 to search for tasks that end at a certain time (in military time / 24 base)
Enter 4 to search for tasks with a certain name
Enter 5 to search for tasks with a certain tag
Enter 6 to search for tasks with a certain start and end time (in military time / 24 base)
What do you want to do, Enter your choice 1 - 6:1
Enter the date you want to search for (YYYY-MM-DD): 2023-01-01
Search Results:
ID: 1
Date of Task: 2023-01-01
Start Time of Task: 12:30
End Time of Task: 14:30
Task Name: Homework
Task Tag: School
-----
(venv) PS D:\NKU\Fall2023\ase420\HW8\HW8-Project\ver1> 
```

- This feature allows you select an input type to search for and returns all that match
- This feature also maintains data formatting rules.

# PROJECT TESTING

4 manual test

2 acceptance tests

3 integration tests

13 unit test

1 regression test

```
===== test session starts =====
platform win32 -- Python 3.11.5, pytest-7.4.3, pluggy-1.3.0
rootdir: D:\NKU\Fall2023\ase420\HW8\HW8-Project\ver1
collected 13 items

test\test_main_data_input.py . [ 7%]
test\test_main_data_input_error.py . [ 15%]
test\test_main_search_date.py . [ 23%]
test\test_main_search_date_error.py . [ 30%]
test\test_main_search_end_time.py . [ 38%]
test\test_main_search_end_time_error.py . [ 46%]
test\test_main_search_not_found.py . [ 53%]
test\test_main_search_start_time.py . [ 61%]
test\test_main_search_start_time_error.py . [ 69%]
test\test_main_search_start_to_end.py . [ 76%]
test\test_main_search_start_to_end_error.py . [ 84%]
test\test_main_search_task_name.py . [ 92%]
test\test_main_search_task_tag.py . [100%]

===== 13 passed in 4.97s =====
```