Second Iteration Deliveries

Submitting Team: Team-One

1. Screenshots:

✓ **Iteration 2,** from Feb 10 to Feb 16

Feb 2025

	10 Mon	11 Tue	12 Wed	13 Thu	14 Fri	15 Sat	16 Sun	1
n	2h 00m	6h 00m	1h 00m	4h 00m	6h 00m	2h 00m	5h 00m	!
		2h 00m	1h 00m	2h 00m	2h 00m	1h 00m	2h 00m	2
	2h 00m	2h 00m		2h 00m	2h 00m			3
		2h 00m			2h 00m	1h 00m	3h 00m	

Total hours spent: 26h

Weilan Liang:10h
Dereje Teshager: 8h
Aden Abdulahi: 8h

le Watcher TCSS504(TEAMON

February 2025

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oup by No grouping ⌄

9 Wed   20 T

tal time

- Weilan Liang
- derejeteshager0
- Aden Abdulahi

#FWT

10 February 2025, Mon   Spent time 2h of 8h

⌛ **derejeteshager0**

2h 00m   Ⓝ F̶W̶T̶-̶3̶1̶ Researching about watchdog python library   Investigation

1

On this day, I spent more than 2 hours learning and trying to implement the watchdog python library on our project.

[Close] [Add spent time]

▬ ▭ ▬

Talking: Ad

ts   Workgroup

SS504(TEAMON

y 2025

ping ⌄

9 Wed   2

#FWT

11 February 2025, Tue   Spent time 6h of 8h

⌛ **derejeteshager0**

2h 00m   Ⓝ F̶W̶T̶-̶1̶1̶ Group Zoom Meeting   Documentation

1

On this day, the group had a zoom meeting to finalize and submit the first iteration.

⌛ **Aden Abdulahi**

2h 00m   Ⓝ F̶W̶T̶-̶2̶2̶ Feb 11 Meeting   Development

1

Done, and worked with the team; then we submitted the first iteration

⌛ **Weilan Liang**

2h 00m   Ⓝ F̶W̶T̶-̶2̶2̶ Feb 11 Meeting

[Close] [Add spent time]

YouTrack

Issues | ∨   Dashboards   Agile Boards   Reports   Projects   Knowledge Base   Timesheets   Gantt Charts

People   **Projects**   Workgroup

+ New

File Watcher TCSS504(TEAMON

February 2025

Users ∨

group by No grouping ∨

Total time

WL Weilan Liang

DE derejeteshager0

AA Aden Abdulahi

9 Wed   20 Thu   21

Add spe

#FWT

14 February 2025, Fri   Spent time 6h of 8h

⌛ **derejeteshager0**

2h 00m	N ~~FWT-25~~ Friday Team-One Meeting	Implementation
		1

The group had a zoom meeting to implement and modify code.

⌛ **Weilan Liang**

2h 00m   N ~~FWT-25~~ Friday Team-One Meeting

⌛ **Aden Abdulahi**

2h 00m   N ~~FWT-25~~ Friday Team-One Meeting

[Close]   [Add spent time]

YouTrack

Issues | ∨   Dashboards   Agile Boards   Reports   Projects   Knowledge Base   Timesheets   Gantt Charts

People   **Projects**   Workgroups

File Watcher TCSS504(TEAMON

February 2025

Users ∨

group by No grouping ∨

Total time

WL Weilan Liang

DE derejeteshager0

AA Aden Abdulahi

9 Wed   2

#FWT

15 February 2025, Sat   Spent time 2h of 8h

⌛ **Weilan Liang**

1h 00m   N FWT-26 UML update

⌛ **Aden Abdulahi**

1h 00m	N FWT-27 UML Update	Development
		1

On progress

[Close]   [Add spent time]

11 cards

FWT-23 Learn SQLite
Normal   Task   2h   Not estimated

FWT-26 UML update
Normal   Task   1h   Not estimated

FWT-27 UML Update
Normal   Task   2h   Not estimated

FWT-30 DatabaseManager
Normal   Task   ?   Not estimated

FWT-32 SQLite Database
Normal   Task   3h   Not estimated

FWT-17 UML Preparation
Normal   Task   5h   Not estimated

FWT-25 Friday Team-One Meeting
Normal   Task   1h   Not estimated

FWT-24 Create SQLite class
Normal   Task   2h   Not estimated

FWT-22 Feb 11 Meeting
Normal   Task   2h   Not estimated

FWT-29 Connect_Database
Normal   Task   ?   Not estimated

FWT-31 Researching about watchdog python library
Normal   Task   2h   Not estimated

2. Screen shots of GitHub

⌥ AssignmentTwo ▾	⌥ 4 Branches ◇ 0 Tags	Q Go to file t Add file ▾ <> Code ▾

This branch is 26 commits ahead of, 2 commits behind `main` . ⥮ Contribute ▾

👤 weilan1299 Add files via upload		550e151 · now	⟳ 38 Commits
📄 First Iteration_Liang_Teshager_Abdulahi.pdf	Add files via upload		4 days ago
📄 First_Iteration_word_document	Create First_Iteration_word_document		last week
📄 SRS_draft_1.docx	Add files via upload		2 weeks ago
📄 SRS_draft_1_Teshager_Liang_Abdulahi.pdf	This is the SRS first draft we submitted on 02/07		last week
📄 SRS_draft_2.docx	Add files via upload		2 days ago
📄 Tkinter Frame Design modified for file watch.py	Add files via upload		last week
📄 Tkinter Frame Design.py	Add files via upload		now
📄 Tkinter frame design.py	Add files via upload		4 days ago
📄 UML for the project_Liang_Teshager_Abdulahi....	UML Draft submited		last week
📄 databasemanager.py	Add files via upload		now
📄 docx.svg	Add files via upload		4 days ago
📄 filewatch.py	Add files via upload		now
📄 observer.py	Add files via upload		now
📄 readme.txt	Add files via upload		4 days ago
📄 uml_readme.txt	Update uml_readme.txt		last week

Add files via upload •••
weilan1299 authored 6 minutes ago
Verified   3a4e1ca   ⟨⟩

Add files via upload •••
weilan1299 authored 2 days ago
Verified   b02c915   ⟨⟩

Add files via upload •••
Adenm2024 authored 2 days ago
Verified   60e5f64   ⟨⟩

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dteshager authored 4 days ago
Verified   d19197f   ⟨⟩

Add files via upload •••
Adenm2024 authored 4 days ago
Verified   1da3ec4   ⟨⟩

Add files via upload •••
Adenm2024 authored 4 days ago
Verified   c0a6b4b   ⟨⟩

Add files via upload •••
Adenm2024 authored 4 days ago
Verified   ef43df8   ⟨⟩

filewatch_with_sqlite_database
weilan1299 authored 4 days ago
Verified   4b35199   ⟨⟩

Add files via upload
weilan1299 authored last week
Verified   c1da07b   ⟨⟩

Create First_Iteration_word_document
Adenm2024 authored last week
Verified   37311de   ⟨⟩

3. Screen shot of code sample

```python
class DatabaseManager(Observable):  3 usages

    def __init__(self, database):
        super().__init__()
        self.conn = None
        self.database = database
        self.cursor = None
        self.need_update = False
        self.create_table()

    def connect(self):  3 usages
        if self.conn is None:
            self.conn = sqlite3.connect(self.database, check_same_thread=False)
            self.cursor = self.conn.cursor()

    def create_table(self):  1 usage
        self.connect()

        self.cursor.execute("""
                    CREATE TABLE IF NOT EXISTS filewatch (
                        filename TEXT,
                        path TEXT,
                        event_type TEXT,
                        timestamp TEXT )
                    """)

        self.conn.commit()




    def log_event(self, filename, path, event_type, timestamp):  1 usage (1 dynamic)
        self.connect()
        if self.conn is None:
            self.conn = sqlite3.connect(self.database)
            self.cursor = self.conn.cursor()
        query = "INSERT INTO filewatch (filename, path, event_type, timestamp) VALUES (?, ?, ?, ?)"
        data = (filename, path, event_type, timestamp)
        self.cursor.execute(query, data)
```

File System Watcher

File Edit Database Help

Start Watching   **Stop Watching**   **Reset**

Directory to watch: Extension:

[   ]   [▾]   Leave blank for All files

Start | Stop   Browse   ☐ Watch directories?

Database path: Extension: Event Type:

[   ]   [▾]   [▾]

Write | Clear DB   Browse   Query

File System Watcher Events:

File Name   Path   Event Type   Time Stamp