

First Iteration Deliveries

Submitting Team: Team-One

Weilan Liang, Dereje Teshager, Aden Abdulahi

1. Screenshots:

- **Iteration 1**, From Feb 03 to Feb 09




People **Projects** Workgroups

File Watcher TCSS504(TEAMONE)

February 2025

Users

group by No grouping

		Feb 2025	1 Sat	2 Sun	3 Mon	4 Tue	5 Wed	6 Thu	7 Fri	8 Sat	9 Sun	10 Mon
Total time	26h 30m				10h 00m	5h 00m	—	—	6h 00m		5h 30m	—
 Weilan Liang	9h 00m					3h 00m			4h 00m		2h 00m	
 derejeteshager0	10h 00m				6h 00m	2h 00m			1h 00m		1h 00m	
 Aden Abdulahi	7h 30m				4h 00m				1h 00m		2h 30m	

Weilan Liang: 9h

Dereje Teshager: 10h

Aden Abdulahi: 7.5h

Total = 26.5 hours

#FWT

3 February 2025, Mon Spent time 1d 2h of 8h

Aden Abdulahi

2h 00m

M FWT-5 Software Requirements and Specifications

derejeteshager0

4h 00m

N FWT-8 Tkinter Design

Implementation

1

derejeteshager0

2h 00m

N FWT-14 Feb3 Teammeeting

Aden Abdulahi

2h 00m

N FWT-15 Team Meeting on SRS

Close

Add spent time

ips

ON

#FWT

4 February 2025, Tue

Spent time 5h of 8h

derejeteshager0

2h 00m

N FWT-8 Tkinter Design

Implementation

1

Weilan Liang

1h 00m

N FWT-13 SQL

Weilan Liang

2h 00m

N FWT-14 Feb3 Teammeeting

Close

Add spent time

Workgroup

(TEAMON

25

#FWT

7 February 2025, Fri

Spent time 6h of 8h

Weilan Liang

3h 00m

N FWT-18 Watchdog

Weilan Liang

1h 00m

N FWT-19 team meeting Feb7th

derejeteshager0

1h 00m

N FWT-19 team meeting Feb7th

Aden Abdulahi

1h 00m

N FWT-19 team meeting Feb7th

Close

Add spent time

Sprint 1 - Set up Basic27 Jan - 2 Feb

OpenIn ProgressTo VerifyDone

Uncategorized Cards

FWT-7 Read File Watcher Project documentNormal Task 3hNot estimated

FWT-10 Read and understand the project and Setup YouTrackNormal Task 4hNot estimated

FWT-1 YouTrackNormal Task 2hNot estimated

FWT-4 Watch introduction to YouTrack and set YT accountNormal Task 2hNot estimated

FWT-11 Group Zoom MeetingNormal Task 2hNot estimated

FWT-6 Group Meeting to discuss project workNormal Task 2hNot estimated

FWT-9 Read through the Project FileNormal Task 1hNot estimated

FWT-9 Set FWP Remote RepositoryNormal Task 1hNot estimated

First iteration(2/3/2025-2...Start sprint

OpenIn ProgressTo VerifyDone

▼ Uncategorized Cards

FWT-3 SQL & WatchdogNormal Task 5hNot estimated

FWT-8 Tkinter DesignNormal Task ?4

FWT-12 UML-for File Watcher ProjectNormal Task 4hNot estimated

FWT-16 Update SRSNormal Task 2hNot estimated

FWT-17 UML PreparationNormal Task 5hNot estimated

FWT-13 SQLNormal Task 2hNot estimated

FWT-14 Feb3 TeammeetingNormal Task 2hNot estimated

FWT-19 team meeting Feb7thNormal Task ?Not estimated

FWT-18 WatchdogNormal Task 3hNot estimated

FWT-5 Software Requirements and SpecificationsMajor Task 3hNot estimated

FWT-20 Team meeting Feb 9Normal Task 1hNot estimated

FWT-11 Group Zoom MeetingNormal Task 2hNot estimated

FWT-15 Team Meeting on SRSNormal Task 6hNot estimated

2. Screen shots of GitHub

The screenshot displays the GitHub interface for a repository named 'AssignmentTwo'. At the top, a yellow banner indicates that 'AssignmentTwo' had recent pushes 24 minutes ago, with a 'Compare & pull request' button. Below this, the repository's navigation bar shows 'AssignmentTwo' as the selected branch, with 3 branches and 0 tags. A search bar and 'Add file' button are also present. A status bar indicates the current branch is 18 commits ahead of and 2 commits behind the 'main' branch, with a 'Contribute' button.

The main content area lists recent commits. The most recent commit, 'Adenm2024 Create First_Iteration_word_document', is highlighted. Below it, a table lists files and their commit messages:

File	Commit Message	Time
First_Iteration_word_document	Create First_Iteration_word_document	24 minutes ago
SRS_draft_1.docx	Add files via upload	last week
SRS_draft_1_Teshager_Liang_Abdulahi.pdf	This is the SRS first draft we submitted on 02/07	3 days ago
Tkinter Frame Design.py	Add files via upload	2 days ago
UML for the project_Liang_Teshager_Abdulahi....	UML Draft submitted	2 days ago
filewatch.py	Add files via upload	4 days ago
uml_readme.txt	Update uml_readme.txt	2 days ago

Below the file list is a 'README' section. To the right of the commit list, the 'About' section is visible, showing 'No description, website, or topics'. Below this are sections for 'Releases' (No releases published), 'Packages' (No packages published), and 'Contributors' (3 contributors: Adenm2024, weilan1299, dteshager).

The bottom section of the screenshot shows a list of commits filtered by date. The commits are grouped by date, with the most recent group being 'Commits on Feb 11, 2025'. The commits in this group are:

- 'Add files via upload' by weilan1299, authored now, commit hash c1da07b.
- 'Create First_Iteration_word_document' by Adenm2024, authored 36 minutes ago, commit hash 37311de.

The next group is 'Commits on Feb 9, 2025', which includes:

- 'Add files via upload' by dteshager, authored 2 days ago, commit hash 3233a42.
- 'Update uml_readme.txt' by Adenm2024, authored 2 days ago, commit hash a71c57e.
- 'UML Draft submitted' by Adenm2024, authored 2 days ago, commit hash 453bf85.
- 'Readme.txt prepared' by Adenm2024, authored 2 days ago, commit hash 2d2e461.

The next group is 'Commits on Feb 8, 2025', which includes:

- 'This is the SRS first draft we submitted on 02/07' by Adenm2024, authored 3 days ago, commit hash 948dcf7.

The next group is 'Commits on Feb 7, 2025', which includes:

- 'Add files via upload' by weilan1299, authored 4 days ago, commit hash f54b771.

The final group is 'Commits on Feb 3, 2025', which includes:

- 'Add files via upload' by Adenm2024, authored last week, commit hash 931b8a0.

3. Screen shot of code sample

```
class FileHandler(FileSystemEventHandler): 1 usage
    def __init__(self, textbox, extension = None, ):
        self.textbox = textbox
        self.extension = extension

    def on_modified(self, event):
        if event.is_directory: return None
        self.textbox.insert(tk.END, f'File {event.src_path} has been modified')

    def on_created(self, event):
        if event.is_directory: return None
        self.textbox.insert(tk.END, f'File {event.src_path} has been created')

    def on_deleted(self, event):
        if event.is_directory: return None
        self.textbox.insert(tk.END, f'File {event.src_path} has been deleted')

    #on_any_event: Executed for any event.
    #on_created: Executed upon creation of a new file or directory.
    #on_modified: Executed upon modification of a file or when a directory is renamed.
    #on_deleted: Triggered upon the deletion of a file or directory.
    #on_moved: Triggered when a file or directory is relocated.

class FileWatch:
    def __init__(self, text, file = None):
        self._monitoredFiles = [file]
        self._text = text
        self.handler = FileHandler(text)
        self.observer = Observer()

    def add_file(self, file):
        self.monitoredFiles.append(file)

    def start(self): 1 usage (1 dynamic)
        if not self.monitoredFiles:
            self._text.insert(tk.END, 'No file to watch')
            return

        for file in self.monitoredFiles:
            self.observer.schedule(self.handler, file, recursive=False)
        self.observer.start()
        self._text.insert(tk.END, 'Starting file watch... Press Stop to stop')
```

```
import tkinter as tk
from tkinter import ttk
from tkinter import *

import customtkinter
from customtkinter import *
from customtkinter import CtkComboBox

customtkinter.set_appearance_mode("light")
customtkinter.set_default_color_theme("blue")

root = Ctk()
root.title("File System Watcher")
root.geometry("800x600")

menubar = Menu(root)
root.config(menu=menubar)

#file menu
fileMenu = Menu(menubar, tearoff=0)
menubar.add_cascade(label="File", menu=fileMenu)
fileMenu.add_command(label="Start Watching")
fileMenu.add_command(label="Stop Watching")
fileMenu.add_command(label="Reset")
fileMenu.add_separator()
fileMenu.add_command(label="Exit", command=quit)

#edit menu
editMenu = Menu(menubar, tearoff=0)
menubar.add_cascade(label="Edit", menu=editMenu)
editMenu.add_command(label="Browse for directory to watch")

#Database menu
dbMenu = Menu(menubar, tearoff=0)
menubar.add_cascade(label="Database", menu=dbMenu)
dbMenu.add_command(label="Write")
dbMenu.add_command(label="Clear database")
dbMenu.add_command(label="Delete database")
```

File System Watcher

File

Edit

Database

Help

Start Watching

Stop Watching

Reset

Directory to watch:

Start

Stop

Browse

Extension:

Leave blank for All files

☐ Watch directories?

Database path:

Write

Clear DB

Browse

Extension:

Event Type:

Query

File System Watcher Events:

File Name	Path	Event Type	Time Stamp
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