

**Main accomplishments:**

- Got watchdog working and able to watch a directory
- Got the different classes talking to each other
  - o Have a class to store the data (FileWarehouse is now called DataWarehouse)
  - o DataWarehouse is storing data as intended with necessary fields
- Watchdog is properly handing off “event” data to Datawarehouse
  - o Have some code that creates a tkinter window
  - o Some framework done but lots of ground to still cover

**Hurdles:**

- Currently just getting the MVC working seems to be the major one, nothing significant just more time needed. We are able to complete this.
- More of a personal thing but carving out time in the week has proven difficult, some nights is 3-4 hrs some nights its none. We are finding ways to make good progress though!

**Help Needed:**

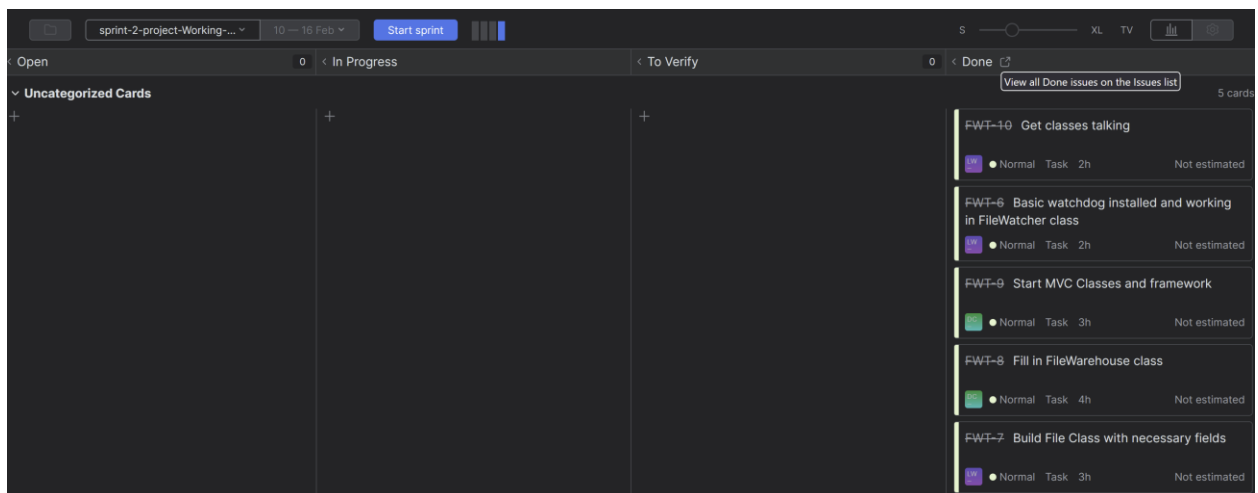
- Currently there are no major issues where we have found we need help. Just more time spent getting more things working!

**Links:**

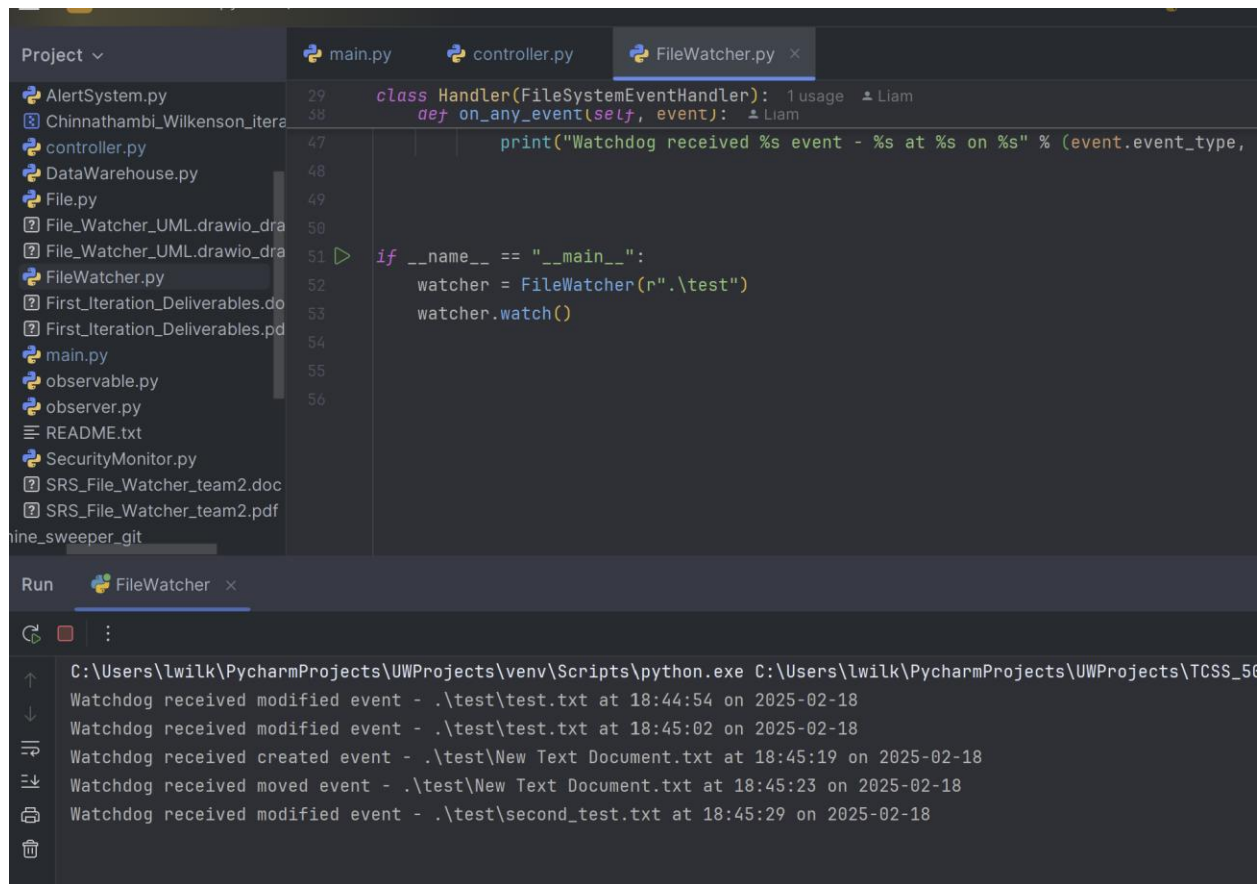
- YouTrack: <https://deepikac.youtrack.cloud/agiles/177-2/current>
- Github: [https://github.com/DeepikaChinnathambi/tcss504\\_file\\_watcher\\_project/branches](https://github.com/DeepikaChinnathambi/tcss504_file_watcher_project/branches)
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**Tickets created for the week, both participants put in about 7-8hrs each.**

<b>sprint-2-project-Working-on-code</b>		<b>14h 00m</b>		
FWT-10	Get classes talking	2h 00m	2h	Liam Wilkenson
FWT-7	Build File Class with necessary fields	3h 00m	3h	Liam Wilkenson
FWT-8	Fill in FileWarehouse class	4h 00m	4h	Deepika Chinnathambi
FWT-9	Start MVC Classes and framework	3h 00m	3h	Deepika Chinnathambi
FWT-6	Basic watchdog installed and working in FileWat...	2h 00m	2h	Liam Wilkenson



## Screenshot of some output from the working code.



The screenshot shows a PyCharm IDE with the `FileWatcher.py` file open. The code defines a `Handler` class that inherits from `FileSystemEventHandler` and implements the `on_any_event` method. The `on_any_event` method prints a message indicating the event type and the file path. The `if __name__ == "__main__":` block creates a `FileWatcher` object and calls `watch()` to start monitoring the `.\test` directory.

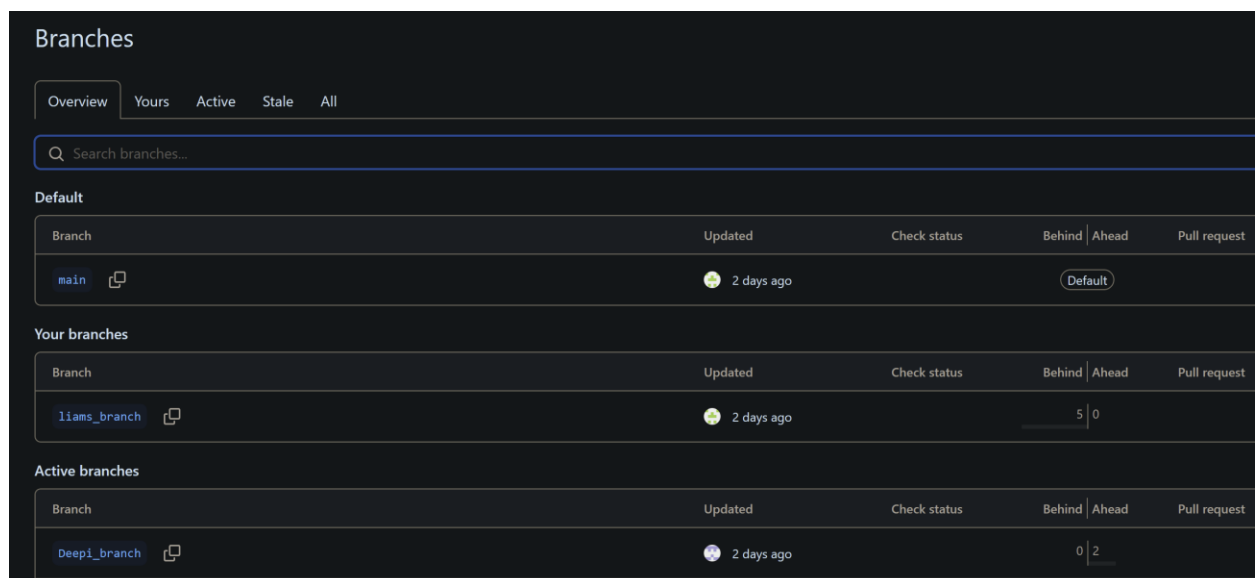
```
class Handler(FileSystemEventHandler):
    def on_any_event(self, event):
        print("Watchdog received %s event - %s at %s on %s" % (event.event_type, event.src_path, event.timestamp, event.is_directory))

if __name__ == "__main__":
    watcher = FileWatcher(r".\test")
    watcher.watch()
```

The Run console shows the output of the program, which is a series of messages indicating the events detected by the watchdog:

```
C:\Users\lwilk\PycharmProjects\UWProjects\venv\Scripts\python.exe C:\Users\lwilk\PycharmProjects\UWProjects\TCSS_50
Watchdog received modified event - .\test\test.txt at 18:44:54 on 2025-02-18
Watchdog received modified event - .\test\test.txt at 18:45:02 on 2025-02-18
Watchdog received created event - .\test\New Text Document.txt at 18:45:19 on 2025-02-18
Watchdog received moved event - .\test\New Text Document.txt at 18:45:23 on 2025-02-18
Watchdog received modified event - .\test\second_test.txt at 18:45:29 on 2025-02-18
```

## Screenshot of the git repo, last merge we did as of writing this was Sunday



The screenshot shows the GitHub repository interface with the 'Branches' tab selected. The interface displays a list of branches, including the default `main` branch and two other branches: `liams_branch` and `Deepi_branch`. The `liams_branch` and `Deepi_branch` branches are both marked as '2 days ago' and have a 'Pull request' button next to them.

Branch	Updated	Check status	Behind	Ahead	Pull request
main	2 days ago				Default
liams_branch	2 days ago		5	0	
Deepi_branch	2 days ago		0	2	

Deepi branch #1

Edit

<> Code

Open

DeepikaChinnathambi wants to merge 3 commits into main from Deepi\_branch

Conversation 0

Commits 3

Checks 0

Files changed 9

+366 -213

- Commits on Feb 16, 2025
- Adding the MVC classes and filewarehouse class

Deepika Chinnathambi committed 2 days ago

1aee528
- Moved the controller code added by Liam to the View class

Deepika Chinnathambi committed 2 days ago

a5116a8
- Commits on Feb 18, 2025
- Added changes for MVC and updated the filewatcher and display code accordingly

Deepika Chinnathambi committed 5 minutes ago

44c9c94

AlertSystem.py	updating some minor things with the UML and Security clas...	last week	
Chinnathambi_Wilkenson_iteration1.zip	adding some new classes and updates to current architecture	3 days ago	
DataWarehouse.py	adding some new classes and updates to current architecture	3 days ago	
File.py	Added changes for MVC and updated the filewatcher and di...	21 minutes ago	
FileWatcher.py	Added changes for MVC and updated the filewatcher and di...	21 minutes ago	
FileWatcherController.py	Added changes for MVC and updated the filewatcher and di...	21 minutes ago	
FileWatcherDisplay.py	Added changes for MVC and updated the filewatcher and di...	21 minutes ago	
FileWatcherModel.py	Added changes for MVC and updated the filewatcher and di...	21 minutes ago	
File_Watcher_UML.drawio_draft1.pdf	updating some minor things with the UML and Security clas...	last week	
File_Watcher_UML.drawio_draft2.pdf	Deepika updated UML diagram prepared by Liam	last week	
First_Iteration_Deliverables.docx	committing a readme txt that isn't a part of the repo one	last week	
First_Iteration_Deliverables.pdf	adding some new classes and updates to current architecture	3 days ago	
README.txt	committing a readme txt that isn't a part of the repo one	last week	
SRS_File_Watcher_team2.doc	SRS DRAFT - Turned In version	last week	
SRS_File_Watcher_team2.pdf	SRS DRAFT - Turned In version	last week	

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**Current tkinter window with simple browse and start button. We will enhance this one in next iteration.**

