Mar 12:

My Project directive: Creating the event adding page

Task 1: Begin creating methods → 1 hour

- Goal is to simply create the methods and have them laid out, then I will work on converting that into code that can work for the project.
- Unittest is very basic so want to learn how to use Pytest, as it appears to be more user friendly.

Task 2: Pytest videos → 3 hours …. Cannot find the answer to how to remove the error I am getting.

Pycharm using Pytest video:

- Download pytest
- Make a folder and test document
- Label this folder as “mark directory as” > root source of all testing
  - This is why the folder is green
- This video did not work.
- It seems that ALL FILES are lower case names.

New video series:
https://www.youtube.com/watch?v=yA5jqNCCOLE&list=PLL34mf651faNqwhZEM91zU3c-dcc4dLF0&index=1

- For files to be recognized as a test, needs to be named → test_namehere.py OR namehere_test.py. This is recognized by pytest.
- Watched first 5 videos but did not answer what was needed.

Watched 3 other videos and still no answer.
Pytest works if the test is written in the same file as the code it is testing

I can’t get the prompt at the top of the test file to work → from _____ import _____, it throws an error for some reason and it limits everything.

Task 3: complete the State python code and tests in pycharm

- Took 1 hour to play around with

Mar 16

Task 1: Working on assessing course materials and seeing how to implement the features discussed. (2 hours)

- Going through the design patterns
- Going through the design principles (SOLID)

Mar 18/19:

Task 1:

- Goal is to start producing code segments.
- Learning about ports and read write from mongoDB
- Covering http requests:
    - What is HTTP? The Hypertext Transfer Protocol (HTTP) is designed to enable communications between clients and servers. HTTP works as a request-response protocol between a client and server. Example: A client (browser) sends an HTTP request to the server; then the server returns a response to the client.
- Learning about collections and exploring the collections within our DB

Learning what JSON is:

- https://www.youtube.com/watch?v=cj3h3Fb10QY
- JavaScript Object Notation
- Text based file format used for storing and transmitting data between webserver and a client.
- Easy to read and write.

JSON and HTTP are two distinct items, but they are often used together to facilitate communication between a client and a server.

- In summary, JSON is a data format used for representing structured data, while HTTP is a protocol used for transmitting data between clients and servers over the web. JSON data can be exchanged over HTTP requests and responses as part of web communication.

Trying to learn how we build the app with MONGODB:
https://www.youtube.com/watch?v=FVVOaCOAMFU

FLASK CRASHCOURSE: https://www.youtube.com/watch?v=3U1iHcqijCA&t=1170s

- Flask has simple core but is extensible
    - Pip install flask
- (‘/’) is an opener, saves a route.
- If __name__ == “__main__”:
    - app.run(debug = true) # this allows us to run the app, and turns on the debug mode
- So the (‘/wordhere’) is setting a route to get to the function
- Ran it and it gives us our http server address

Building full stack app: https://www.youtube.com/watch?v=FVVOaCOAMFU

- See pycharm code
- This took 2 hours.

Trying to get the mongoDB to connect:
https://www.youtube.com/watch?v=UpsZDGutpZc

- Another 2 hours

Learned that using MangoClient is unneeded and that Docker and Dockercompose do the job of MongoClient. Thus I am learning about that now:
https://www.youtube.com/watch?v=AAPOCB1U1kg
2 hours