Assignment 2

Code Review Report for Team-10

INTRODUCTION

The report aims to document the code review for team 10's Streamlit Application that was created as a part of Assignment 1. The aim is to point out shortcomings in the application and areas where there is a scope of improvement.

Description

The github organization looks well organized and up to the mark at the first glance. Once we started trying to replicate the repository after cloning it, we ran into our very first issue.

1. The link to the user manual (colab book) didn't work. Hence, we had to stall the process of moving forward.
2. We raised an issue regarding the same on the github issues of their repository.


3. We received the code lab link later, it only had description about the goes and nexrad satellites. We received no instruction on how to run the git repository in order to replicate it.
4. Similar instruction issues were faced while running the great expectations as there was no readme file provided.
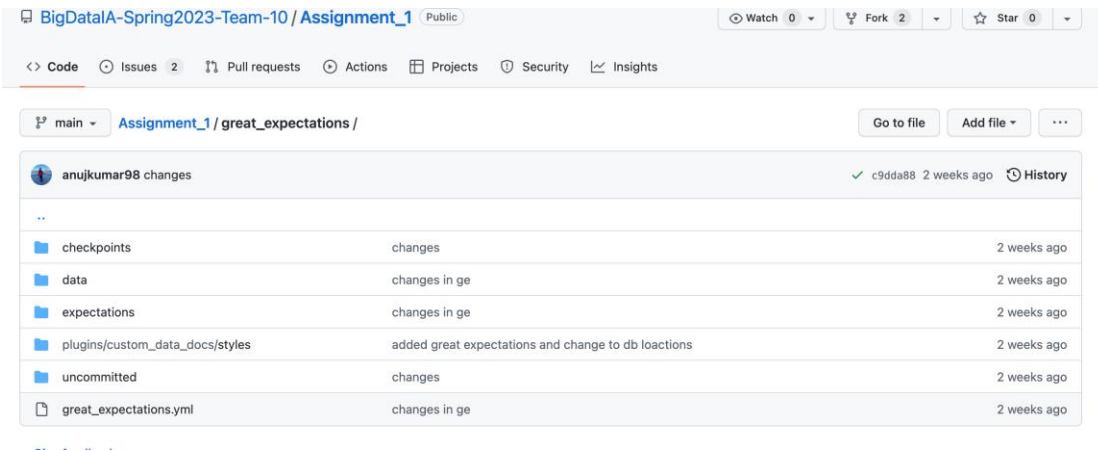
5. As per the requirement, we were supposed to ignore the checkpoint folder and not include it as a part of the submission, but this was a part of the submission in their repo.

6. After creating a virtual environment and installing the requirements.txt, I tried to run their Streamlit application using the "streamlit run Home.py". It threw in an error saying streamlit command not found.
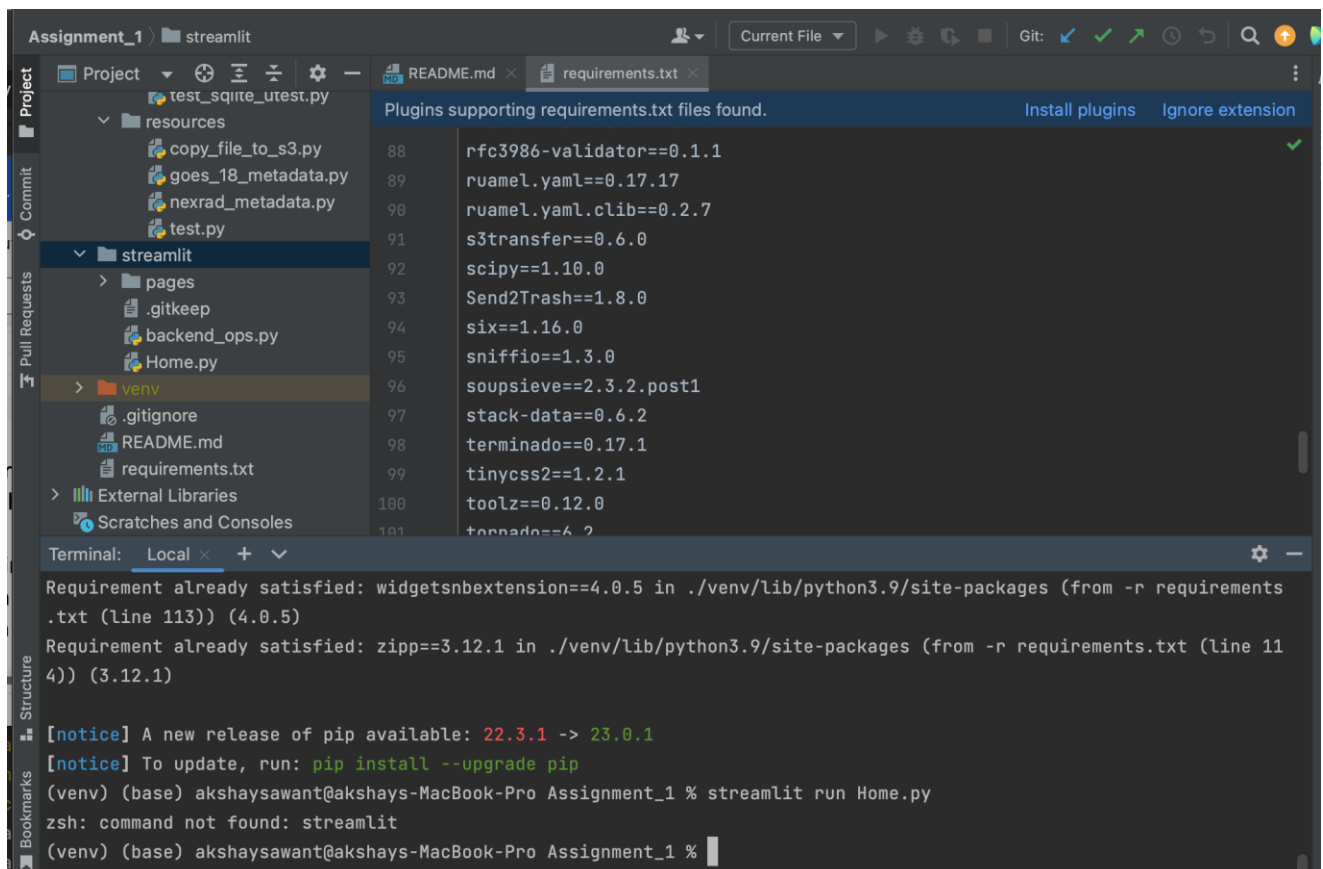
7. As no instructions on how to exactly run the Streamlit application were provided, on running "streamlit run Home.py" opened the webpage but with error.
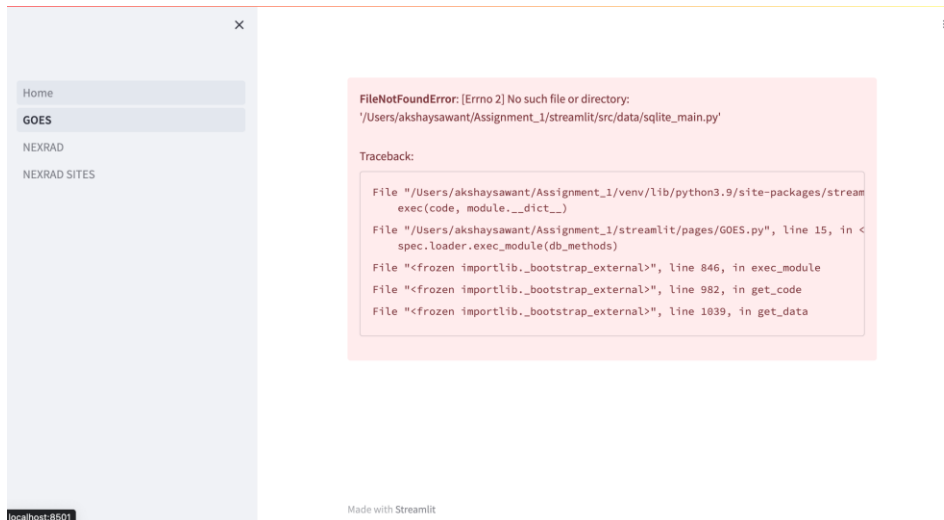
8. The data folders and files are very well organized for the Assignment.
9. The test cases for url files created in the class were not found.
10. The expectations folder must contain 2 .json files for each suite. They only have one file under the folder name nexrad_expectations.json
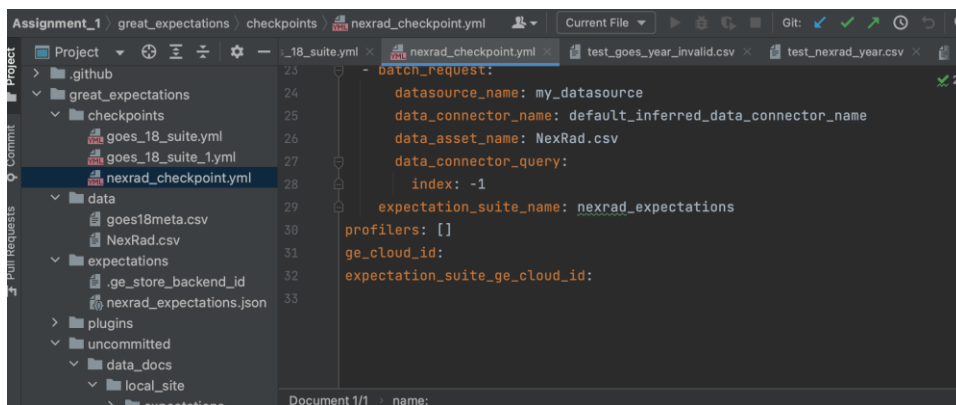
Conclusion

The app has a few bugs. With proper instructions it would be easier to reproduce the application. There is scope for improvement with respect to the documentation part. The requirements.txt file is missing a few imports.

Altogether, the application works fairly well.