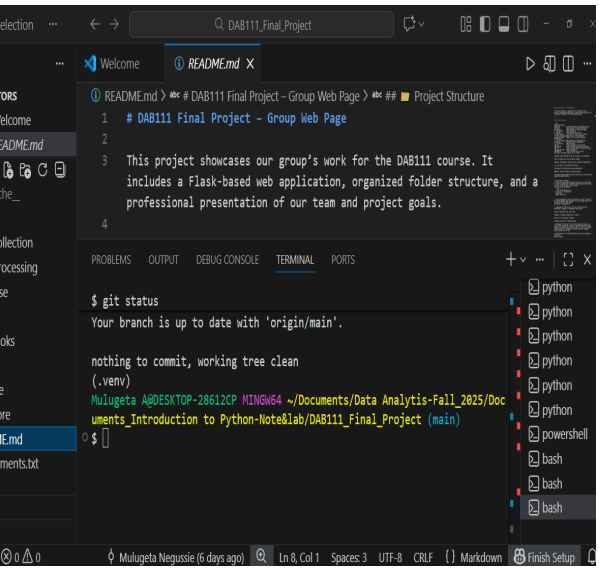

DAB111 FINAL PROJECT - TEAM COLLABORATION SUMMARY

https://github.com/Mulugeta972/DAB111_Final_Project/t

DAB111-Introduction to Python Programming

Instructor: Aishwarya Rajasekaran

Instructor: Keval Patel

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: Mulugeta Negussie - #0599492

DAB111 Final Project – Team Collaboration Summary

Project Overview

This final project was developed for the DAB111 course (Fall 2025) and showcases collaborative work between two team members: **Mulugeta** and **Nurbiya**. The project includes a structured GitHub repository, a Flask-based web application, and supporting documentation. The primary goal was to demonstrate teamwork, technical organization, and presentation — not to analyze or manipulate the dataset itself.

Team Members and Roles

🔷 Nurbiya

- Collaborated in setting up the GitHub repository and initial folder structure
- Followed the instructor's guide to help organize the project layout
- Contributed to the homepage and Results page content
- Provided feedback on formatting and accessibility
- Made commits to GitHub reflecting her contributions
- Participated in the decision to replace the original dataset with a smaller open-source dataset
- Processed and pushed the new dataset to GitHub

🔷 Mulugeta

- Led the creation and refinement of the GitHub repository and folder structure
- Worked jointly on the first three folders (Website, docs, notebooks) with Nurbiya
- Independently developed and organized the remaining folders (data collection, data processing, database, src)
- Authored the data cleaning notebook and internal documentation
- Managed Git workflow, commits, and file organization
- Finalized the Results page and integrated notebook links
- Participated in the dataset replacement decision and ensured compatibility across the project

Repository Structure

The project is organized into clearly defined folders:

- Website/ – Contains the Flask web app and Results page
- docs/ – Stores internal documentation and team summaries
- notebooks/ – Includes the data cleaning notebook
- data collection/, data processing/, database/, src/ – Support backend and data handling

All work is version-controlled using Git and published to GitHub for transparency and reproducibility.

Supporting Materials

The following visuals are included in the final submission:

- Screenshot of the GitHub repository structure

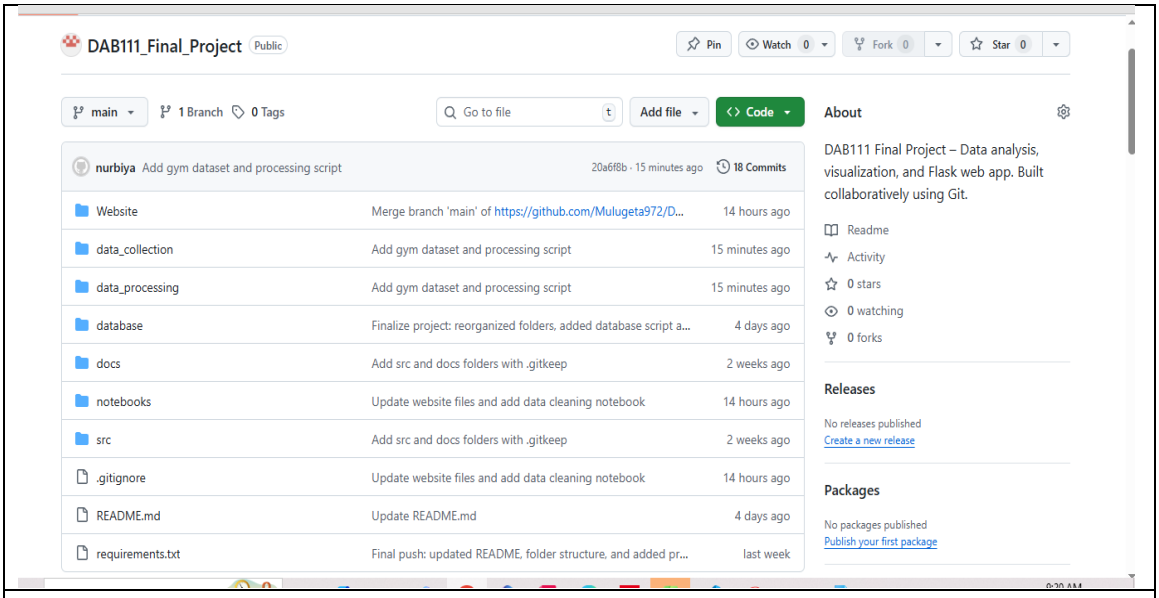

Figure 1: Github repository structure

- Screenshot of the homepage with team introduction

Figure 2: Home page

- Screenshot of the Results page summary

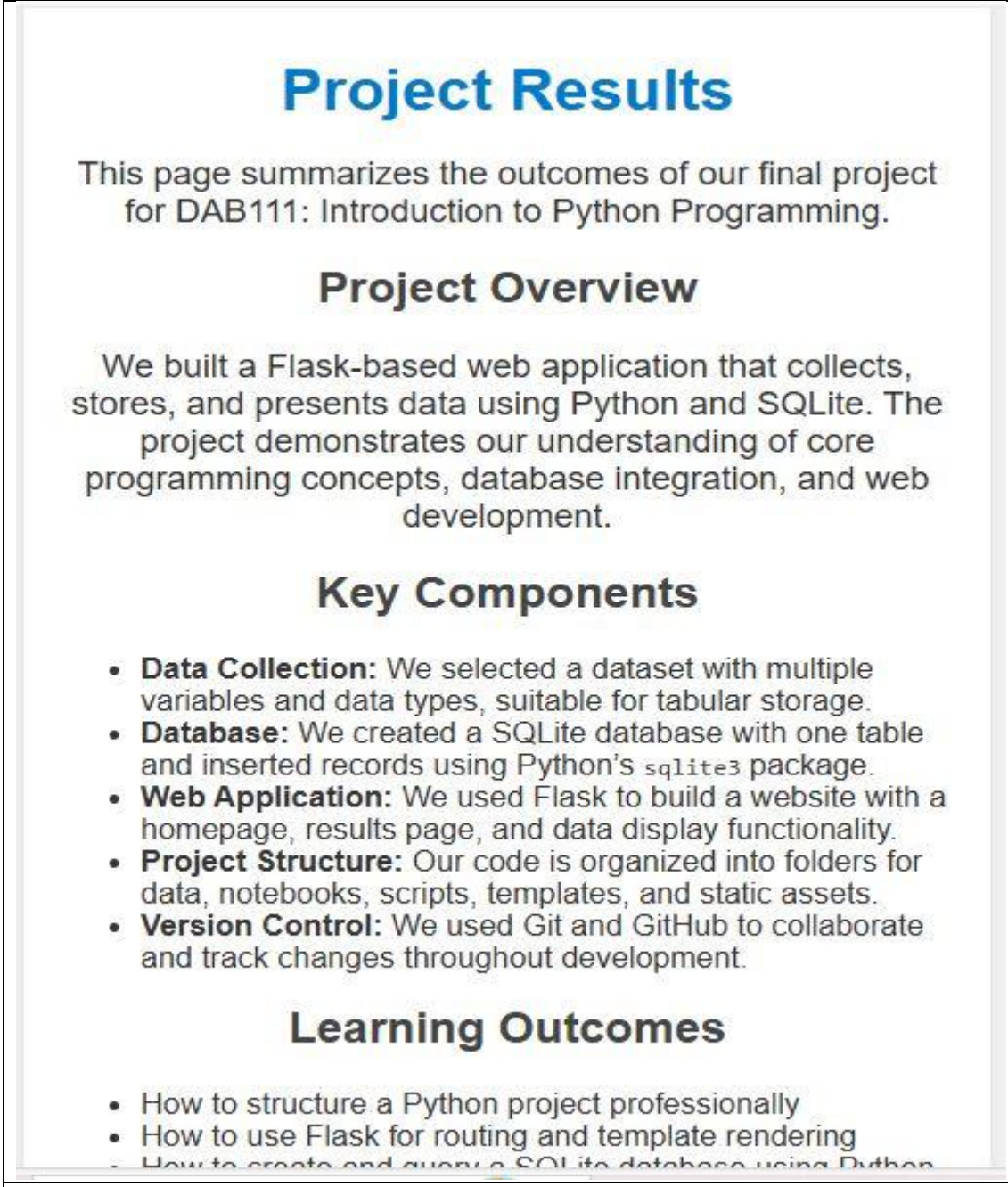

Figure 3: Project Result Page

- Screenshot of the README and terminal status

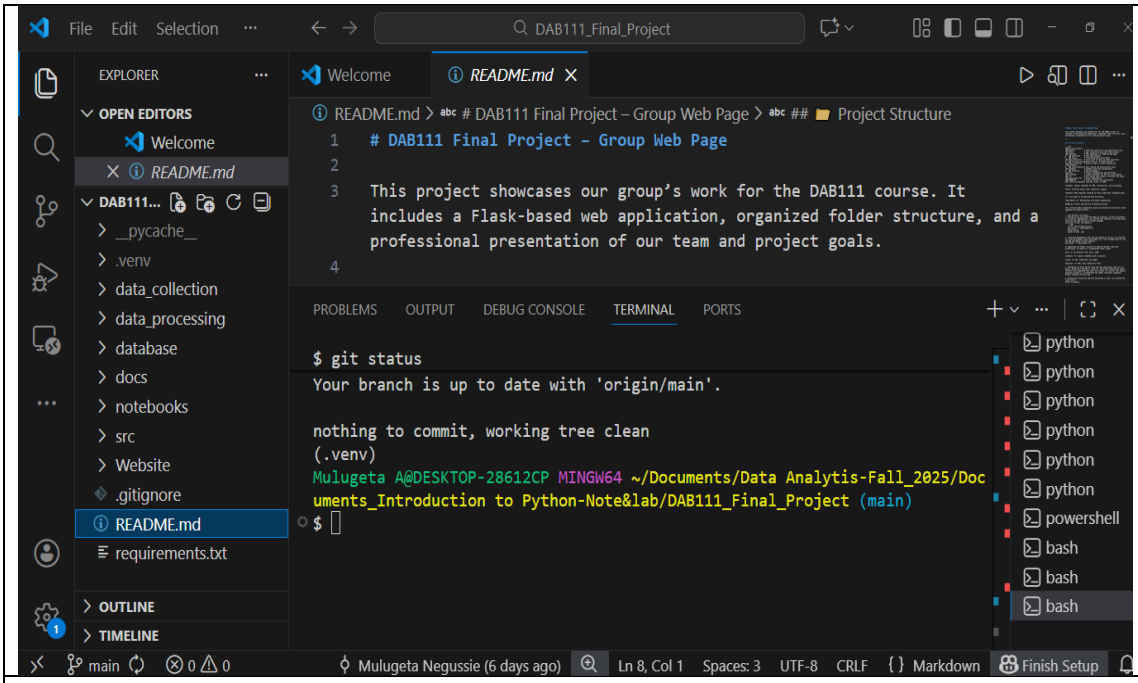

Figure 4: ReadMe and Terminal status

These images provide a visual summary of the project's structure and presentation.

Final Notes

This document reflects the collaborative effort and division of responsibilities between team members. The project emphasizes clarity, reproducibility, and professional organization. All materials are available in the GitHub repository and linked through the Results page.