**Aynura Pashayeva**

**Self-Assessment: Python Flask CVE Scraper Project**

I was responsible for building a tool to validate and verify CVE IDs using the MITRE CVE API. I created two functions: is\_valid\_cve\_format checks if the CVE ID follows the correct format using a regex, ensuring only properly formatted IDs proceed.

The cve\_exists function sends a request to the MITRE CVE API, checking if the CVE exists and retrieving its status (e.g., "published," "reserved"). I handled various API responses, providing clear feedback on the CVE's status.

While the tool works well, it could be improved by enhancing error handling for network issues and unexpected responses.

Additionally, I contributed to the front-end aspect of the project, collaborating with Raul. We shared responsibilities and ensured the interface was user-friendly and effective in displaying data.

This project gave me the opportunity to refine my abilities in web scraping and automation with Selenium. It also allowed me to work closely with the team, ensuring our combined efforts led to a successful outcome.