

Project Activity 3 – Social Coding

Team Name: Group 6

Social Coding Selection

Select the social coding application chosen by your team:

- Option 1: Feature enhancements of the Lab 4.9.2 code
- Option 2: New application – IPv4/IPv6 Address Application

What were the reasons your team selected this option?

The option our team selected is the Option 2. The reason behind this decision is that we want to fully understand how the project works, by building a program from the ground up we will be able to fully grasp the entire process of the program.

Describe your team's application and its deliverables. What are the specific objectives of this application?

This application utilizes the API ipapi.com uses to retrieve IPv4 and IPv6 information from the user's machine. It is also programmed to retrieve the IP's geolocation information, the ISP, the ASN of the ISP, and the country code.

The objectives of this project is to:

- Integrate an existing REST API to a new program;
- Retrieve IP information from the user's machine;
- Create a python program to present the information.

Record your team member roles and skillsets

Team member	Role/Knowledge/Skillset
Alapad, Jerome Christian	Python, JavaScript, Frontend Development
Cabezas, Angel Gabriel	Python, Backend Development
Paras, Jan Angelo	Python, Linux System Administration
Ramos, Kierwin Jov	Python, Intelligent Systems

Strategy/Project Plan

Provide a brief description of your team's strategy for completing this project.

Create a Python script that accesses a public API to get the user's public IPv4 Address then transfer the public IPv4 address to another API that gets the user's geolocation. The response is then used to get the user's ISPN, ASN, Country Code, and Lat/Long.

After creating the Python script, the team will push it to a Remote VCS (GitHub or GitLab). They will then collaborate using the Remote VCS, doing prior merges and PRs for code base changes.

Using GitHub for Collaboration

What is the link to your GitHub repository?

<https://github.com/notjl/project-activity-3>

Describe how GitHub was used to:

- a. Create branches
Branches were used to separate work environments for the team members. So that they could perform code reviews, merges, and PRs.
- b. Add team members
For collaborative purposes.

- c. Do pull requests, code review, merge, etc.

Pull requests were used to inspect the code before it could be included in the project. It also serves as a code review as the project leader will review it before he confirms the merge.

Final Deliverables

Presentation

Create a presentation about the project you selected. Your presentation should include:

- Information about your application, covering what features your team included
- The reasons that your team decided on these specific features in your application
- Application code including comments and documentation. Your comments and documentation should be sufficient for any other team to be able to continue the project if required. Another team should be able to understand the application, your features and how to continue with the project
- Demonstration of the application
- List of future enhancements (backlog)
- Reflection points – what issues have you faced while working on this activity, how did you find solutions, what have you learned, etc.