Midterm Activity – Social Coding Midterm Project

Social Coding Selection

Select a social coding project application for your team from the below options:

- o Option 1: Feature enhancements of the Lab 4.9.2 code by adding user-friendly features to the MapQuest REST API [Level of difficulty: +++]

- o Option 2: Adapting the Lab 4.9.2 python framework to integrate GPT-3/GPT-4 REST API [Level of difficulty: ++++]

What were the reasons your team selected this option?

The team was interested in creating a compeling user experience with the graphhopper API.

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

The goal is to develop an app that can deliver useful information to the user for a trip. We want to give him information about the track, the weather, nearby airport and gas stations near the track for long trips. We want the user to have to submit the information once and get all the results from different APIs.

Record your team member roles and skillsets

Team member	Role/Knowledge/Skillset
CAPITAINE Adrien	GUI developer, skills: Programming, Critical Thinking, Leadership
CHAMPAGNE Nathan	API developer, skills: Programming, Problem Solving, Autonomous
DE FOURNIER DE BRESCIA Kelian	Project Manager, skills: Management, Leadership, Programming
QIU Jason	API developer, skills: Programming, fast learner
Duthou Damien	API developer, skills: Problem Solving, Programming

Strategy/Project Plan

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

We will assign to each member a specific feature to work with
and make sure that each member's progress is monitored to help
if the feature implementation is encountering difficulties or to reassign
members to help

Using GitHub for Collaboration

What is the link to your GitHub repository?

github.com /AdrienCapitaine / SE_Midterm_Project

Describe how GitHub was used to:

    a.   Create branches (in the context of this project)

Each feature was developed on its own branch to have a clean project structure

    b.   Add team members (and their branches/commits)

Each members worked on the branch of the feature they were assigned to. We wanted to have clear and understandable commit messages so we could easily understand what had been done and help if needed.

    c.   Mention pull requests, code review, merge, etc. (in the context of this project)

Pull requests and code review were mainly done during meetings. Merge were handled when each features were finished so that they could be implemented in the UI.

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.