Midterm Activity – Social Coding Midterm Project

Social Coding Selection

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

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

- 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?

Our team thinks, that we can add useful feature with option 1, for routing program we thinks that Chat-GPT will provided only limited help to the user.

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

Our Apllication is a website, that provide the user with the possibility to get the route to

To go to a specific destination. The user can choose the origin and the destination

Also the possibility to choose with which vehicle to got there.

For helping the user, the origin is fill with the current location of the user based on their

Ip address. The user has also the possibility to find place based on not exact data with

a dedicated page. When the search is done, the user get a map, but also route to take

the weather of both location.

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Record your team member roles and skillsets

Team member	Role/Knowledge/Skillset
Lavigne Nicolas	Team Leader: Flask, Bash, BAT, HTML, CSS, API, Routing
Landraud Robin	Dev: Flask, Bash, Pydoc, CSS, reposnive, Map, Instruction Responsive, API
Hsia Laurent	Dev: Flask, HTML, History, Weather, API
Zhou Marc	Dev: Flask, HTML, Air Quality Index, API
Amsellem Louis-Quentin	Dev: Flask, HTML, CSS, IP Current Location Place Holder, API

Strategy/Project Plan

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

We decided that we want an UI for our project, so we have choice between software and

website, we choose website because we thinks that the best format for routing.

The team leader (Nicolas) init the web project, use the original program and adapt it to flask.

Create the basic routing form, and call the API. He create also the locate place page.

Then Robin add the map and the display of the instruction, he also make some CSS.

Laurant addded the history function and also the weather display.

At the same time Louis-Quentin add the my location function to pre-fill the origin field.

Then marc add the air quality index info of both location.

To finish Robin did the documentation, and Nicolas polish it, edit css, reinclude page

Using GitHub for Collaboration

What is the link to your GitHub repository?
https://github.com/Nicolas-Bilj/TechPlus

Describe how GitHub was used to:

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

Thins it was a small project, it dosen't required basic branch such as prod, dev, features.

So we just decied to commit with explicite name on main in order.

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

Since there is a lot of commit, I invited you to check on Git Hub, here a short resume:

Lavigne Nicolas: 1 branch, 12 commits

Landraud Robin: 1 branch, 16 commits

Hsia Laurent: 1 branch, 3 commits

Zhou Marc: 1 branch, 1 commit

Amsellem Louis-Quentin, 3 commits

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

We do some code review on the whole project, specifictly on HTML and CSS.

We did some merge with no merge conflict. But we didn't use pull request functionnality.

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.