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: Our project aims to integrate Gemini-2.5 REST API into the Lab 4.9.2 MapQuest framework to enhance trip planning features. Specifically, users can input destination queries and receive AI-generated travel itineraries, recommended attractions, and contextual descriptions of landmarks—providing a more engaging and informative user experience.

What were the reasons your team selected this option?

We selected this option because LLM models have updated information, can describe trip locations more accurately, and suggest more interesting places to visit locations.

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

Record your team member roles and skillsets

|  |  |
| --- | --- |
| Team member | Role/Knowledge/Skillset |
| 12214760  Yuldoshev Javokhir | Team leader / Software engineering and DevOps / Web Design, Full-stack development, DevOps, CI/CD, |
| 12225252  Muhammedov Mironshoh | …/ AI Engineer / Prompting, Model Development, AI Vision |
| 12225247  Ilhomov Mansur | Reporter/ Rest API/ API integration |
| 12214762  Bakhtiyorov Firdavs | Designer/ UI/UX / Figma, Web & Mobile Desing |

## Strategy/Project Plan

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

## Before starting the project, we dedicated time to brainstorming and refining our main idea. Once we agreed on the concept, we discussed each team member’s skills to understand everyone’s strengths. We then broke the project into smaller, manageable tasks and assigned them based on individual expertise.

## Our work was organized into four main categories: deployment, UI/UX design, API integration, and component embedding. Tasks were distributed accordingly, ensuring each person could contribute where they were strongest. Throughout the process, every task was reviewed not only by the team leader but also collaboratively by the team to ensure quality, consistency, and alignment with our goals.

## Using GitHub for Collaboration

What is the link to your GitHub repository?

Link for GitHub: [team.software-engineering](https://github.com/inhacollab/team.software-engineering)

Describe how GitHub was used to:

1. About branches of GitHub:

* **deployment –** Deployment branch – handled deployment environment (Vercel configuration, deployment scripts) led by Yuldoshev Javokhir
* **webpage –** This branch is used to test and visualize webpage of our project
* **documentation –** This branch is used to push our updates for documentations

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

* [Deployment branch](https://github.com/inhacollab/team.software-engineering/tree/deployment)
* [Webpage branch](https://github.com/inhacollab/team.software-engineering/tree/webpage)
* [Documentation branch](https://github.com/inhacollab/team.software-engineering/tree/documentation)

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

* Pull Requests
  + [PR #1](https://github.com/inhacollab/team.software-engineering/pull/1) – made for integrating main branch with documentation branch
  + [PR #2](https://github.com/inhacollab/team.software-engineering/pull/2) – made for publishing webpage for deployment
  + [PR #3](https://github.com/inhacollab/team.software-engineering/pull/3) - made for publishing documentation and merging branch into main
* Merge
  + We primarily used pull requests for merges, though we occasionally merged directly using git merge commands when appropriate
* Code Review
  + We utilized copilot review, and it was very useful for finding small mistakes in our codebase
  + We conducted peer reviews for every pull request to ensure code quality and alignment

## Final Deliverables

Link for our video materials: [Google drive link](https://drive.google.com/drive/folders/1vQv5nI1y9LqryuXAyklIX6_5iZ16I5Qi?usp=sharing)

Link for our repository: [GitHub Link](https://github.com/inhacollab/team.software-engineering)

Link for our deployed project: [Link for webpage](https://teamsoftware-engineering.vercel.app/)

Project documentation: [Link for Documention](https://github.com/inhacollab/team.software-engineering/blob/main/README.md)