**Weekly Report**

**27/05/2024 – 03/06/2024**

Group ID: **3**

Project Name: Gogle

Prepared by: **Lê Duy Anh**

Team members:

22127012 – **Le Duy Anh**   
22127083 – **Cao Huu Khuong Duy**  
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# Achievements since last week:

Following our plan, this phase will prioritize project configuration, system architecture design, and the implementation of essential test functionalities or basic features to establish a foundational framework.

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| **STT** | **Description** | **Due Date** | **Responsibility** | **%Complete** |
| 1 | Data Retrieval | 31/05/2024 | Cao Huu Khuong Duy | 100% |
| 2 | Setup Mongo Database | 31/05/2024 | Cao Huu Khuong Duy | 100% |
| 3 | Recommendation Algorithm | 03/06/2024 | Huynh Cao Tuan Kiet | 100% |
| 4 | Configuring Github Repository | 30/05/2024 | Ly Dinh Minh Man | 100% |
| 5 | Designing Mockup UI/UX | 03/06/2024 | Vo Nguyen Phuong Quynh Ly Dinh Minh Man | 100% |
| 6 | Backend utility functions | 03/06/2024 | Le Duy Anh | 100% |
| 7 | Planning the next stages for our project | 03/06/2024 | All members | 100% |

1. **Data Collection**

* We conducted research to gather information on popular local hangout locations. Our primary data source was social media platforms, which allowed us to identify trending and frequented hangout spots in the area.

1. **Database Setup**

* Our website utilizes MongoDB as its primary database management system.

1. **Recommendation Algorithm Development**

* This section outlines the development process for our recommendation algorithm. We will propose the core idea behind the algorithm and implement a test program using the collected data.

1. **Project Management and Deployment**

* **GitHub Repository:** We will follow the folder structure provided by the teaching assistant for this course to ensure organized code management.
* **Vercel Deployment:** We will configure Vercel for deployment, allowing our application to be accessible online.
* **Next.js Integration:** Next.js will be used as the framework to build our website, leveraging its functionalities for efficient development.

1. **User Interface and User Experience (UI/UX) Design**

Mockup designs will be created for the following user interfaces:

* Login/Register Page
* Home Page
* User Profile
* Create Trip Page

1. **Backend Development**

This section details the functionalities of the application's backend:

* **Database Connectivity:** We will establish a secure connection between the application and the MongoDB database.
* **CRUD Operations:** The backend will implement functionalities for CRUD (Create, Read, Update, Delete) operations on the database, ensuring data management.

# Issues and impacts:

***Data Retrieval from Social Media Platforms***

* **Issue:** Relying solely on social media data can lead to skewed results due to user demographics and location biases.
* **Impact:** Inaccurate recommendations based on social media popularity could lead to user frustration and a decline in app usage.

***Setting Up MongoDB Database***

* **Issue:** MongoDB requires proper configuration and security measures to ensure data integrity and prevent unauthorized access.
* **Impact:** A poorly configured database could lead to data breaches, corruption, or service outages, negatively impacting user trust and website functionality.

***Recommendation Algorithm Development***

* **Issue:** The chosen recommendation algorithm might not be suitable for the specific type of data collected or user needs.
* **Impact:** An inefficient algorithm could lead to irrelevant recommendations, hindering user experience and reducing app engagement.

***Configuring GitHub Repository and Deployment***

* **Issue:** Improper configuration of the GitHub repository or deployment process can lead to difficulties in code collaboration, version control, and website accessibility.
* **Impact:** Delays in project progress, team communication issues, and potential website downtime could occur due to deployment problems.

***Designing Mockup UI/UX***

* **Issue:** A poorly designed user interface might be confusing or difficult to navigate, hindering user experience.
* **Impact:** Users might find the app frustrating to use and abandon it, leading to low adoption rates.

***Backend Utilities (Database Connection & CRUD Operations)***

* **Issue:** Issues with establishing a secure connection or implementing CRUD operations effectively could lead to data loss, inconsistencies, or unauthorized access.
* **Impact:** Security breaches, data corruption, or inability to manage user data can severely damage user trust and potentially lead to legal repercussions.

# Next week's goals:

Building on the current progress, next week will see further refinements of the project configuration and system architecture design. We'll also be finalizing the phases for our plan.

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| **STT** | **Description** | **Due Date** | **Responsibility** |
| 1 | Completing Project Plan/Vision/ Iterations | 10/06/2024 | All members |
| 2 | Implementing sample pages for frontend | 04/06/2024 | Ly Dinh Minh Man |
| 3 | Backend Sign In/Sign out/Sign Up API | 10/06/2024 | Le Duy Anh |
| 4 | Backend Create/Save Trip API | 10/06/2024 | Huynh Cao Tuan Kiet |
| 5 | Search engine algorithm | 10/06/2024 | Cao Huu Khuong Duy |
| 6 | Design Header/Footer Component | 10/06/2024 | Vo Nguyen Phuong Quynh |