**Weekly Report**

**03/06/2024 – 10/06/2024**

Group ID: **3**

Project Name: Gogle

Prepared by: **Lê Duy Anh**

Team members:

22127012 – **Le Duy Anh**   
22127083 – **Cao Huu Khuong Duy**  
22127219 – **Huynh Cao Tuan Kiet**  
22127255 – **Ly Dinh Minh Man**

22127360 – **Vo Nguyen Phuong Quynh**

# Achievements since last week:

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| **STT** | **Description** | **Due Date** | **Responsibility** | **%Complete** |
| 1 | Completing Project Plan/Vision/ Iterations | 09/06/2024 | All members | 100% |
| 2 | Implementing sample pages for frontend | 04/06/2024 | Ly Dinh Minh Man | 100% |
| 3 | Backend Sign In/Sign out/Sign Up API | 08/06/2024 | Le Duy Anh | 100% |
| 4 | Backend Create/Save Trip API | 09/06/2024 | Huynh Cao Tuan Kiet | 100% |
| 5 | Search engine algorithm | 10/06/2024 | Cao Huu Khuong Duy | 80% |
| 6 | Design Header/Footer Component | 10/06/2024 | Vo Nguyen Phuong Quynh | 100% |

**1. Completing Project Plan/Vision/Iterations**

* This task involves finalizing the overall plan for our project.
* It might include:
  + **Solidifying the project vision:** This clarifies the long-term goals and desired user experience.
  + **Finalizing project phases:** This defines the specific stages of development and their deliverables.
  + **Completing iterations:** This involves finishing any additional refinements or adjustments to the existing plan.

**2. Implementing Sample Pages for Frontend**

* This task focuses on building basic user interface (UI) elements to showcase the website's functionality.
* Sample pages include:
  + Login page
  + Home page
  + User profile page
* These pages won't be fully functional yet, but they will provide a visual representation of the website's layout and intended use.

**3. Backend Sign In/Sign Out/Sign Up API**

* This task involves creating functionalities on the server-side (backend) to handle user authentication.
* APIs (Application Programming Interfaces) are sets of instructions for how different parts of the application communicate.
* These APIs will allow users to:
  + Sign in to the application
  + Sign out of the application
  + Create a new user account

**4. Backend Create/Save Trip API**

* This task focuses on building server-side functionalities to manage user trips.
* It involves creating an API that allows users to:
  + Create a new trip entry
  + Save the trip information on the server

**5. Search Engine Algorithm**

* This task involves developing the logic behind searching for hangout locations.
* The algorithm will determine how the application finds and recommends locations based on user needs and collected data.

**6. Design Header/Footer Component**

* This task focuses on creating the design elements for the header and footer sections of the website.
* These components might include:
  + **Header:** Logo, navigation bar, user profile information (if applicable)
  + **Footer:** Contact information, copyright notice, links to additional resources

# Issues and impacts:

**1. Completing Project Plan/Vision/Iterations**

* **Issue:** An incomplete or unclear project plan can lead to development inefficiencies, missed deadlines, and confusion among team members.
* **Impact:** Delays in project progress, wasted resources, and potential scope creep (adding unplanned features) could occur due to a lack of a solid roadmap.

**2. Implementing Sample Pages for Frontend**

* **Issue:** Sample pages that are not representative of the final design can lead to user confusion and inaccurate expectations.
* **Impact:** we might get discouraged if the initial experience doesn't reflect the intended functionality or aesthetics, potentially impacting the progress.

**3. Backend Sign In/Sign Out/Sign Up API**

* **Issue:** Security vulnerabilities in the authentication APIs can lead to unauthorized access, data breaches, and compromised user accounts.
* **Impact:** These issues can potentially leading to legal repercussions and hindering user engagement.

**4. Backend Create/Save Trip API**

* **Issue:** Bugs or errors in the trip creation/saving functionalities can lead to data loss, incomplete trip information, and user frustration.
* **Impact:** Might lose saved trip information or encounter difficulties creating trips, negatively affecting user experience and potentially leading to app abandonment.

**5. Search Engine Algorithm**

* **Issue:** An inefficient search algorithm might lead to irrelevant recommendations, poor user experience, and frustration in finding desired locations.
* **Impact:** Users might not find the recommendations helpful, causing them to abandon the app and seek alternatives for finding hangout locations.

**6. Design Header/Footer Component**

* **Issue:** Poorly designed header/footer components can hinder user navigation and decrease the overall visual appeal of the website.
* **Impact:** Users might find it difficult to find information or navigate the website, potentially leading to a negative first impression and reduced user engagement.

# Next week's goals:

Building on the foundation laid in the previous weeks (May 29th - June 9th), our focus for this week is on solidifying the core functionalities and security of the project. Here's a breakdown of our key objectives:

* **Finalize Database Schema:** Ensure the data model is well-defined and optimized for storage and retrieval needs.
* **Implement Token-Based Security:** Integrate token-based access control middleware to provide secure user authentication.
* **Develop Backend API ("GetPlace"):** Build a functional API endpoint on the backend to retrieve location data.
* **Build Login & Registration Forms:** Create user-friendly forms for login and registration that interact seamlessly with the developed APIs.
* **Refine Code Quality:** Review and refactor existing code to enhance maintainability and readability.
* **Explore Search Algorithm Options:** Initiate research and analysis to identify suitable search algorithms for efficient data retrieval within the application.

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| **STT** | **Description** | **Due Date** | **Responsibility** |
| 1 | Reviewing Project Plan/Vision/ Iterations | 14/06/2024 | All members |
| 2 | Defining database schema | 14/06/2024 | Le Duy Anh  Huynh Cao Tuan Kiet |
| 3 | Token-based access control middlware | 13/06/2024 | Le Duy Anh |
| 4 | Backend GetPlace API | 13/06/2024 | Huynh Cao Tuan Kiet |
| 5 | Login and Registeration Forms with APIs Communication | 10/06/2024 | Ly Dinh Minh Man |
| 6 | Implementing Header/Footer Component | 10/06/2024 | Vo Nguyen Phuong Quynh |
| 7 | Reviewing and Refactoring code | 12/06/2024 | Cao Huu Khuong Duy |
| 8 | Search Algorithm Proposing | 14/06/2024 | Cao Huu Khuong Duy |