Weekly Report

15/07/2024 – 21/07/2024

Group ID: **3**
Project Name: Gogle
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Team members:
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1. Achievements since last week:

STT	Description	Due Date	Responsibility	%Complete
1	Reviewing all report for PA-2	08/07/2024	All member	100%
2	Search Logic Refinement	06/07/2024	Le Duy Anh	100%
3	Trip Budget Implementation	06/07/2024	Cao Huu Khuong Duy Huynh Cao Tuan Kiet	100%
4	Create Trip UI Development	08/06/2024	Ly Dinh Minh Man Vo Nguyen Phuong Quynh	100%
5	API Documentation Update (Swagger doc)	07/07/2024	Le Duy Anh Huynh Cao Tuan Kiet	100%

1. Reviewing all report in PA-2

All members involved in online meetings to discuss PA2 results. We read the feedback together and propose proper solutions to resolve some missing details in submitted documents and the project state.

2. Search Logic Refinement

This task involves changes to search module, which is critical to our project as users need to search for places and have their own insights to choose their most suitable place:

- Keyword correction: users might have some typos in their search query, we want to do our best to prevent those for better search results.
- Search engine: use MongoDB default search engine, which was tested by experts and used by millions of users.

3. Trip Budget Implementation

This task involves integrating a budget system into the creating trip process. This feature will let users provide more detail to the system about their future trip. We can also give better suggestions based on this information:

- Displayed three different tiers about spending: Economy, Standard, and Luxury
- Split the dataset by those categories for better interaction between database and recommendation system

4. Create Trip UI Development

This task involves having final touches on the Figma design of the creating trip process. We will implement those pages step-by-step, with functionalities for each page:

- Completed UI designs with missing pieces: icons, texts, images,...
- Created a base page for future development

5. API Documentation Update (Swagger doc)

This task involves updating the backend API documentation for better understanding of the system. This also helps frontend developers to integrate backend services into the application better:

- Each API has its own HTTP method, request and response schema, together with proper status codes.
- Reviewed by all backend developers to clear any misunderstanding or blockages

2. Issues and impacts:

1. Reviewing all report in PA-2

- **Issue:** Incomplete reports might arise, with some reports potentially missing critical data, making it challenging to provide a comprehensive review. Additionally, there might be inconsistencies in the data across different reports, leading to difficulties in drawing accurate conclusions.
- **Impact:** Include decision-making, where accurate and comprehensive report reviews are crucial for informed decisions, and incomplete or inconsistent reviews can lead to poor decisions. Effective report review can help in better resource allocation and identifying areas that need attention. Delays in report reviews can stall project progress and impact timelines.

2. Search Logic Refinement

- **Issue:** Refining search logic to handle various user queries and deliver accurate results can be complex and challenging. Performance might also be impacted, with enhanced search logic potentially requiring more computational resources. Handling edge cases and unusual queries can be difficult, leading to potential gaps in the search functionality.

- **Impact:** Improved search logic can greatly enhance user satisfaction by providing more relevant and accurate results. Efficiency is also a factor, as efficient search logic can reduce the time users spend searching for information, improving overall productivity.

3. Trip Budget Implementation

- **Issue:** Ensuring the accuracy of budget calculations, considering various factors like discounts, taxes, and currency conversions, can be challenging. Designing a user-friendly interface for budget features that is intuitive and easy to use can also be difficult.
- **Impact:** Accurate and easy-to-use budget features can greatly enhance user satisfaction by helping them plan their trips within their budget. Adoption rates can increase, with a well-implemented budget feature attracting budget-conscious users.

4. Create Trip UI Development

- **Issue:** Ensuring design consistency with the existing UI/UX of the application can be challenging. Creating an intuitive and user-friendly interface that accommodates various user needs and preferences can be difficult. Thorough testing is required to ensure the new UI works seamlessly across different devices and browsers.
- **Impact:** An engaging and intuitive UI potentially increasing user engagement and encouraging them to use the application more frequently. Usability can be enhanced with a well-designed UI, making it easier for users to create trips.

5. API Documentation Update (Swagger doc)

- **Issue:** Ensuring the documentation matches the current API functionalities being challenging, especially if there have been recent changes. Writing clear and concise documentation that is easy for developers to understand can also be difficult. Keeping the documentation up-to-date with ongoing changes in the API can be time-consuming.
- **Impact:** Comprehensive and accurate documentation greatly enhancing the developer experience, making it easier for them to integrate and use the API. Clear documentation can help reduce errors and misunderstandings, leading to smoother implementation and fewer support requests.

3. Next week's goals:

This coming week, our primary objective is to complete the next steps, based on the result of work in this week.

Here's a breakdown of key tasks:

1. **Use case improvements:**
   o We will discuss and research to find more use cases for our application, this includes creating use case diagrams as well as new features.
   o However, to keep the application not so bloated with unnecessary features, we need to consider only important use cases.
2. **Research application architecture:**

- o Our project has come to a state that it needs to be documented about its architecture. We will need to research this topic for future work.
  - o We can do research together, or cross check to ensure that every member has a clear understanding of the application architecture.
3. **Create wireframes for new features:**
   - o As we come up with new use cases, we need to create wireframes to visualize what the UI will look like, and propose necessary changes.
   - o Wireframes are also good for UI design as it is simpler and does not require integration with the current design system, which will result in faster visual graphics.
4. **Test current application flow:**
   - o Our application has implemented basic features: login, logout,... We need to align some time to test these functionalities to prevent flow break.
   - o We can take it a step further by considering Test Driven Development (TDD) for new requested features, as this is a good chance to learn about new development flows.
5. **Completing Weekly Report #9:**
   - o This report will highlight the progress made on documentation finalization and capture any key decisions or discussions during the week.

By successfully completing these tasks, we'll establish a strong foundation for project execution moving forward. This comprehensive documentation will ensure clarity, alignment, and efficient development progress.

STT	Description	Due Date	Responsibility
1	Use case improvements	18/07/2024	All members
2	Research application architecture	20/07/2024	All members
3	Create wireframes for new features	21/07/2024	Vo Nguyen Phuong Quynh
4	Test current application flow	17/07/2024	Cao Huu Khuong Duy Huynh Cao Tuan Kiet
5	Weekly Report 9	21/07/2024	Ly Dinh Minh Man