WEB BASED - MALAYSIAN FOOD REVIEW SERVICE PLATFORM

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ABSTRACT

In the contemporary era, there's a burgeoning demand for genuine culinary experiences, particularly in Malaysia. My project, "WEB BASED - MALAYSIAN FOOD REVIEW SERVICE PLATFORM", addresses this need by offering users a centralized platform to explore and critique genuine Malaysian dishes. This platform showcases multimedia content about various Malaysian cuisines, allowing users to view ratings, reviews, and firsthand experiences from both locals and tourists. It aims to provide diners and tourists with a reliable source of information, assisting them in identifying the best restaurants and signature dishes. The platform also promotes direct communication among its users, evident in its features like an online reservation system and community forums. Developed using the Agile methodology, with Vue and Spring Boot for front-end and back-end respectively, and adopting a parallel development approach to simulate corporate development methods, this platform not only seeks to preserve and promote Malaysia's culinary traditions but also caters to the modern consumer's demand for transparency and authenticity in food information.

1.INTRODUCTION

Nowadays, there is an ever-growing desire for authentic culinary experiences and reliable food information, especially among the youth and tourists in Malaysia. Taste and authenticity remain of utmost importance. However, when people wish to savor genuine Malaysian dishes, they lack a quick and convenient way to know the best dining spots or the signature dishes they should order.

Hence, a web-based Malaysian Food Review Service Platform bridges this gap [1]. The platform offers users multimedia content showcasing various Malaysian delicacies, from Laksa to Nasi Lemak, giving insights into their origins, ingredients, and preparation methods. Users can also view ratings, reviews, and firsthand experiences from locals and tourists alike. Beyond reviews, the platform also fosters direct communication among food enthusiasts. Whether accessed through web browsers or mobile platforms, users can swiftly share their culinary adventures and bookmark their favorite spots. By merging a passion for food with technology, our goal is to ensure that every meal in Malaysia remains an unforgettable experience.

2.PROBLEM STATEMENT

The Malaysian Culinary Review Platform addresses the issue that Malaysians, especially food enthusiasts and tourists, don't have a dedicated, professional platform for critiquing and exploring authentic local cuisines.

This platform addresses the pressing challenge where food aficionados, keen on sampling Malaysian dishes, often find themselves adrift in an expansive ocean of generic online critiques that lack a focus on authenticity and culinary tradition; it compensates for the missing centralized hub where users can post reviews and simultaneously value others' inputs via up votes, comments, and personal collections, all while noting that a significant number currently lean on international review sites which may not fully grasp or prioritize Malaysian gastronomy, consequently leading to partial or occasionally misguiding views; furthermore, these enthusiasts grapple with navigating through the maze of disorganized and dispersed feedback, complicating their quest to unearth true local delights and concealed gastronomic treasures, and in the absence of such a committed platform, authentic Malaysian cuisines face the peril of being eclipsed by their more commercial or westernized counterparts, thereby undermining Malaysia's profound culinary legacy.

By introducing a system where users can critique, up vote, comment, and save their favorite reviews, the Malaysian Culinary Review Platform aims to preserve and highlight the authenticity of Malaysian cuisine, making it more accessible and appreciated both locally and globally.

3. OBJECTIVE

To create a dual-interface, we have tailored a straightforward and efficient publishing workflow specifically for users. For administrators, we have equipped a comprehensive suite of system management tools that integrate user management, content publication oversight, and data analytics functionalities, enabling them to effectively monitor and optimize the entire website. Through such customization, each user group gains access to features specifically crafted for their roles and tasks, ensuring that they can focus on utilizing the most critical features pertinent to their responsibilities.

to develop an online reservation function, for an efficient dining booking platform etc.

Establish a community forum where diners can share their dining experiences, provide recommendations, share video content, and interact with other users.

I plan to accomplish these objectives within the next five months and allocate the following month for testing and optimization.

4.PROPOSED SOLUTIONS

This project adopts the flexible and adaptive Agile development model. Under the Agile development model, the various phases of the project are not conducted in a linear sequence; instead, they allow for iterations and optimizations based on real-time requirements and project progress. At the end of each iteration cycle, we conduct project evaluations to assess whether the expected objectives have been achieved and determine the next set of development goals and tasks.

This approach places a stronger emphasis on team collaboration and enables us to quickly respond to changes, ensuring that our "UKM Medical Online Service" platform based on mobile multimedia and web technologies can promptly adapt to user demands and keep up with technological advancements, thereby providing better services. Throughout the development process, continuous iterations drive progress, and each phase of the project receives ample attention and optimization, ensuring both the quality and progress of the project.

5. SCOPES

5.1 User Management Module

All reviewers and administrators can log in using their unique email addresses and passwords, guiding them to their respective dashboard or homepage. First-time reviewers will be required to provide personal details like email, name, and a preferred username. Administrators, on the other hand, would provide details relevant to their operations.

5.2 Multimedia Content Sharing Module

This module will store all multimedia content, encompassing pictures, videos, and live streams. Reviewers can upload video content showcasing their dining experiences, while administrators maintain the quality of content. All materials will be stored on a cloud server, ensuring real-time accessibility across all platforms..

5.3 Review and Discussion Board Module

Reviewers can write and post their insights on specific restaurant pages. Other users can then like, comment on, or save each review. Administrators can directly interact with the reviewers, responding to queries or feedback.

5.4 Booking Module

Reviewers can make reservations directly from the restaurant pages. This integrates the restaurant's availability with the platform, allowing diners to secure their spot without leaving the platform.

5.5 News and Updates Bulletin Board Module

On the main dashboard of the Malaysian Food Review platform, a dynamic news section will display the latest updates from restaurants, including promotions, new dish introductions, or other relevant announcements.

6. RESTRICTIONS

In the process of implementing the Malaysian food review web [2] platform, we face several constraints related to technology and execution. Firstly, the technical complexity of managing vast amounts of user data and reviews should not be underestimated. Our platform is expected to attract thousands of users sharing their restaurant experiences, making it crucial to establish a database capable of seamlessly handling this influx of information while maintaining consistent performance.

With the increasing number of users, potential issues with data storage and access speed may arise. Therefore, selecting the appropriate database management system and suitable data structures becomes key to success. Additionally, the scalability of the platform is another critical factor. Over time, as more users register and begin providing feedback, our system must adapt to this growth without resulting in performance decline or other technical issues.Regarding data confidentiality, even though only ordinary users populate our platform, it remains essential to ensure their privacy is respected. Users may share photos and other information related to their dining experiences, which they could consider private. Thus, robust data encryption and privacy settings are necessary.Lastly, given that our platform is novel, users might need some time to adapt and trust it, potentially affecting its initial adoption rate.

In conclusion, while numerous technical challenges lie ahead, with the right measures in place, this food review platform still has immense potential to be a successful project.

7. METHODOLOGY

Adopting the Agile model is especially appropriate for my project, which is a web-based Malaysian Food Review Service Platform. The development process for this platform is inherently dynamic, with potential shifts in requirements and priorities as the project progresses. This necessitates continuous refinement of the requirements to ensure they align with the evolving needs. This adaptability during the development phase is one of the cornerstones of Agile.

To further streamline development, I plan to pursue a concurrent front-end and back-end development strategy. For the front-end, I will employ Vue, given its efficiency and ease of maintenance for user interface development. Vue's reactive components and simplicity in integrating with other projects make it an excellent choice for creating a dynamic and responsive user experience. On the other hand, for the back-end, I have chosen to use Spring Boot due to its powerful and highly customizable framework, which is ideal for building intricate applications. Spring Boot's ability to simplify the development of production-ready applications, combined with its extensive ecosystem, provides a robust backbone for handling the platform's functionalities.

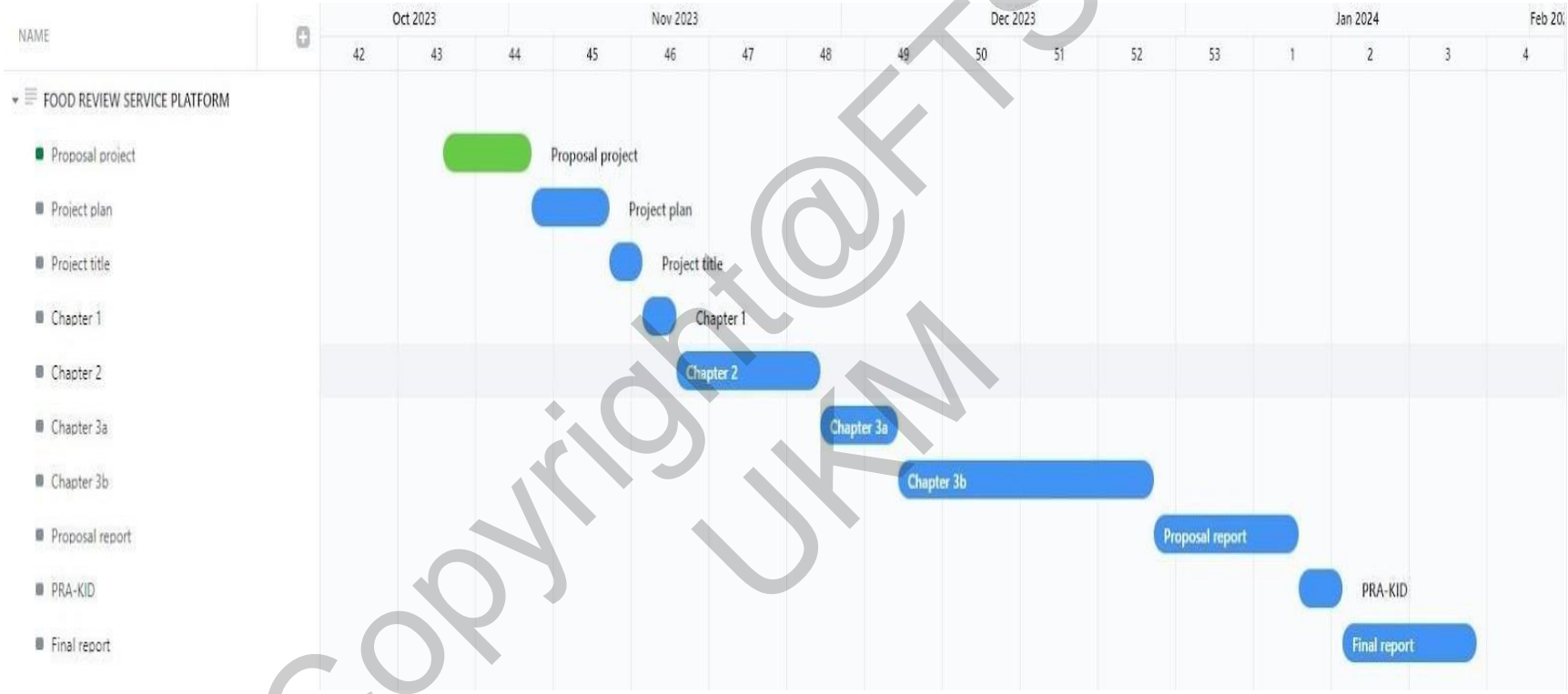
A significant advantage of using the Agile model is the continuous feedback loop it incorporates. At every stage of the project, insights obtained from mentors and pilot users provide invaluable guidance, ensuring that the product aligns with user expectations and needs. This feedback loop is essential in refining the features and functionalities of the platform, making sure they are user-centric and meet real-world requirements.

Agile operations are based on short, iterative cycles, often called sprints. This iterative approach not only ensures that desired outcomes are achieved but also enhances delivery speed. Each cycle includes planning, execution, and evaluation phases, allowing for regular reassessment and adaptation. At the end of each cycle, feedback and testing are conducted to evaluate progress. This process offers a clear view of development, ensuring that the project stays on track and can quickly adapt to any unforeseen challenges.

In essence, the Agile model seamlessly integrates with the dynamic nature of the project, promising flexibility, timely evaluations, and efficient delivery. By adopting Agile, I can ensure that the platform evolves in alignment with user needs, remains adaptable to changes, and is developed efficiently, resulting in a high-quality product that enhances the dining experiences of users seeking authentic Malaysian cuisine.

Agile methodology figure

8.IMPLEMENTATION SCHEDULE



Gantt chart figure

TASK NAME	DURATION	PLANNED START DATE	PLANNED FINISH DATE	PERCENT COMPLETE	PRIORITY
Proposal project	6.5 days	26/10/2023	2/11/2023	---	Very High
Project plan	5 days	3/11/2023	9/11/2023	---	Very High
Project title	1.5 days	10/11/2023	12/11/2023	---	Very High
Chapter 1	2 days	13/11/2023	15/11/2023	---	Very High
Chapter 2	10.5 days	16/11/2023	28/11/2023	---	Very High
Chapter 3a	6 days	29/11/2023	5/12/2023	---	Very High
Chapter 3b	21 days	6/12/2023	28/12/2023	---	Very High
Proposal report	11 days	29/12/2023	10/1/2024	---	Very High
PRA-KID	3 days	11/1/2024	14/1/2024	---	Very High
Final report	11 days	15/1/2024	26/1/2024	---	Very High

Implement schedule table

9 SUMMARY

My project is a comprehensive web-based Malaysian Food Review Service Platform designed to cater to diners and tourists eager to indulge in authentic Malaysian cuisine. The primary goal of this platform is to become a reliable source of information, helping users discover the finest restaurants and must-try specialty dishes across Malaysia. To achieve this, the platform features rich multimedia content, including photos, videos, and detailed descriptions of various Malaysian delicacies. Users can access ratings, reviews, and firsthand experiences shared by both locals and tourists, offering diverse perspectives and insights into the culinary delights of Malaysia.

One of the standout features of this platform is its focus on fostering direct communication among diners. This is facilitated through an integrated online reservation system, allowing users to book tables at their preferred restaurants seamlessly. Additionally, community forums enable diners to interact, share recommendations, and discuss their culinary experiences, creating a vibrant community of food enthusiasts.

To ensure efficient development and a robust platform, I have chosen to adopt the Agile development model. This methodology allows for iterative progress, continuous feedback,

and adaptability throughout the development process. Furthermore, I am employing a parallel development approach for the front-end and back-end components. The front-end will be developed using Vue, CSS, and JavaScript, providing a dynamic and responsive user interface. Meanwhile, the back-end will be powered by Spring Boot, ensuring a solid and scalable foundation for the platform's functionalities.

In essence, this project is not just about creating a food review platform; it is about preserving and promoting Malaysia's rich culinary heritage. By addressing the growing demand for transparency and authenticity in food information, the platform aims to enhance the dining experiences of modern consumers. Every meal in Malaysia should be a memorable experience, and this platform strives to make that a reality for every user.

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