

**MY-PS – MALAYSIA PET SITTER**



**UNIVERSITI TEKNIKAL MALAYSIA MELAKA**

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JUDUL: MY-PS (Malaysia Pet Sitter)

SESI PENGAJIAN: [2022 / 2023]

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MY-PS – MALAYSIA PET SITTER

MUHAMMAD HAMIZAN BIN MOHAMAD NORWAN



This report is submitted in partial fulfillment of the requirements for the Bachelor of [Computer Science (Software Development)] with Honours.

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UNIVERSITI TEKNIKAL MALAYSIA MELAKA

FACULTY OF INFORMATION AND COMMUNICATION TECHNOLOGY  
UNIVERSITI TEKNIKAL MALAYSIA MELAKA

2023

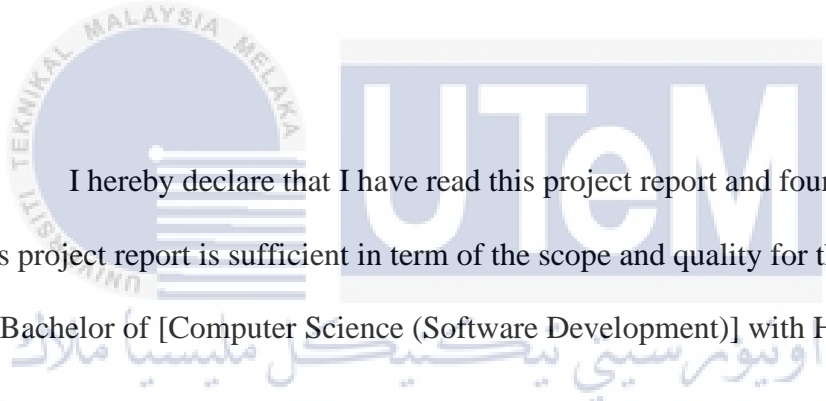
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## DEDICATION

I would like to express my sincere gratitude to my dear family and friends who have consistently provided me with unwavering support and encouragement throughout the development of the system. Their valuable advice and guidance, particularly that of my supervisor, Dr. Umami, during challenging times and work, have been instrumental in achieving this accomplishment. Furthermore, I am humbled by the unwavering support and prayers from my beloved parents, without which this success and honor would not have been possible. I offer my heartfelt thanks and all praises to Allah for His blessings.



## ACKNOWLEDGEMENTS

First and foremost, I would like to express my gratitude to the Almighty God for granting me the courage and motivation to successfully complete this project. I am immensely thankful to my parents for their unwavering support, encouragement, and prayers throughout the development of this project. Additionally, I extend my heartfelt appreciation to my friends for generously sharing their knowledge and being a constant source of support and motivation during this journey.

I wish to express my sincere appreciation to my supervisor, Dr. Ummi, for her invaluable guidance, advice, expertise, and enthusiasm throughout my project. Her insights were crucial in ensuring the successful completion of "MY-PS (Malaysia Pet Sitter)", which was a significant component of my final year project requirement for my Bachelor of Computer Science (Software Development) with Honors. Without her mentorship, this project would not have been possible.

Last but not least, I would like to express my gratitude to all my lecturers at Universiti Teknikal Malaysia Melaka who have imparted their knowledge and expertise throughout my academic journey. Their valuable contributions have been instrumental in shaping my understanding and approach to this project and beyond.

## ABSTRACT

MY-PS (Malaysia Pet Sitter) is a web-based system designed to help pet owners take care of their beloved pets, such as cats and other domestic animals. One of the main challenges for pet owners is the limited operating hours of pet hotels, especially during public holidays. This is where MY-PS comes in to provide an innovative solution for pet owners.

The development of MY-PS involved the use of various programming languages such as PHP, HTML, CSS, and JavaScript, as well as the implementation of MySQL database. The agile methodology was employed to ensure the efficient and effective management of the project.

MY-PS offers pet owners a convenient platform to find and connect with pet sitters within their vicinity. The pet sitters on the platform are verified and possess the necessary skills and experience to provide high-quality care for pets. Features like scheduling, messaging, and payments have been incorporated into the system, ensuring a seamless and hassle-free experience for both pet owners and sitters.

In summary, MY-PS provides a reliable and efficient platform for pet owners to find trusted and experienced pet sitters. The system's user-friendly interface and advanced features make it an exceptional web-based system that pet owners can depend on. With MY-PS, pet owners can have peace of mind knowing their pets are well taken care of by experienced and trusted sitters, even during public holidays or outside of pet hotel operating hours.

## ABSTRAK

MY-PS (Malaysia Pet Sitter) adalah sistem berasaskan web yang direka khas untuk membantu pemilik haiwan kesayangan seperti kucing dan haiwan domestik lain menguruskan haiwan kesayangan mereka. Salah satu cabaran utama yang dihadapi oleh pemilik haiwan adalah waktu operasi hotel haiwan yang terhad, terutamanya semasa cuti umum. Inilah di mana MY-PS memberikan penyelesaian inovatif bagi pemilik haiwan.

Pembangunan MY-PS melibatkan penggunaan pelbagai bahasa pengaturcaraan seperti PHP, HTML, CSS, dan JavaScript, serta pelaksanaan pangkalan data MySQL. Kaedah agile digunakan untuk memastikan pengurusan projek yang efisien dan berkesan.

MY-PS menyediakan platform yang mudah digunakan untuk pemilik haiwan mencari dan menghubungi penjaga haiwan dalam kawasan mereka. Penjaga haiwan yang berdaftar di platform ini telah disahkan dan mempunyai kemahiran dan pengalaman yang diperlukan untuk menyediakan penjagaan berkualiti tinggi untuk haiwan. Ciri-ciri seperti penjadualan, pesanan, dan pembayaran telah diwujudkan dalam sistem ini, memastikan pengalaman yang lancar dan bebas masalah untuk kedua-dua pemilik haiwan dan penjaga.

Secara ringkasnya, MY-PS menyediakan platform yang boleh dipercayai dan efisien bagi pemilik haiwan untuk mencari penjaga haiwan yang dipercayai dan berpengalaman. Antara muka pengguna yang mesra dan ciri-ciri canggih sistem ini menjadikan MY-PS sebagai sistem berasaskan web yang unggul dan boleh diandalkan oleh pemilik haiwan. Dengan MY-PS, pemilik haiwan dapat berasa yakin bahawa haiwan kesayangan mereka dijaga dengan baik oleh penjaga yang berpengalaman dan dipercayai, walaupun semasa cuti umum atau di luar waktu operasi hotel haiwan.



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## LIST OF ABBREVIATIONS

**FYP** - **Final Year Project**





## LIST OF ATTACHMENTS



## CHAPTER 1: INTRODUCTION

### 1.1 Introduction

MY-PS (Malaysia Pet Sitter) is an innovative project that addresses the challenges faced by pet owners in Malaysia when finding reliable pet sitters. This system aims to provide a user-friendly platform accessible through web applications, allowing pet owners to easily locate and engage professional pet sitters in Malaysia only. The idea behind MY-PS originated from personal experiences, where a lack of centralized information, limited availability of trusted pet sitters, and inconvenience restricted access to reliable pet care services. By leveraging technology, MY-PS offers a comprehensive solution by maintaining an extensive pet sitter database, incorporating advanced search and filtering capabilities, and ensuring a seamless user experience. MY-PS empowers animal lovers throughout Malaysia to effortlessly find the ideal pet sitter, bringing convenience and peace of mind to pet owners and their furry companions.

### 1.2 Problem Statement

#### 1.2.1 Complicated GUI making it hard for users to use the current system.

This complexity can lead to user frustration and difficulties in effectively utilizing the system's features. Consequently, users may struggle to navigate through the system, locate essential functionalities, or understand the available options, hindering their ability to efficiently find and engage pet sitters.

#### 1.2.2 Numerous steps are required to complete the pet sitter process.

The current process for engaging a pet sitter may involve multiple steps, leading to a cumbersome user experience. Users may need to perform tasks such as manual data entry, submitting various documents, and arranging payment details, which can be time-consuming and inconvenient. This lengthy process may discourage users from utilizing the system or cause them to abandon the process midway. Simplifying and

streamlining the pet sitter process would greatly enhance the user experience, encouraging more pet owners to utilize the system and efficiently hire pet sitters.

### **1.2.3 Lack of centralized and updated information**

One of the significant challenges faced by pet owners is the absence of centralized and up-to-date information about available pet sitters. The current system may lack a comprehensive database that includes details of qualified and trustworthy pet sitters across the country. This dearth of information makes it difficult for pet owners to access reliable options and evaluate the suitability of pet sitters based on their qualifications and track records. Without a centralized and regularly updated information source, pet owners may resort to time-consuming methods such as relying on word-of-mouth recommendations or conducting extensive individual searches, increasing the likelihood of inadequate or unsatisfactory pet sitter selections.

## **1.3 Objective**

### **1.3.1 Website that connects pet owners with reliable and trustworthy pet-sitters.**

To connect pet owners with reliable pet-sitters through a user-friendly website.

### **1.3.2 Provide a platform for pet-sitters to offer their services and for pet owners to find and book pet-sitters easily.**

To create an easy-to-use platform for pet-sitters to offer their services and for pet owners to find and book them.

### **1.3.3 Provide a way for pet-sitters to earn extra income.**

To Enable pet-sitters to earn extra income by providing a platform that connects them with potential customers.

## **1.4 Scope**

### **1.4.1 Functionality to be developed.**

There are a few functionalities that need to be developed in this project such as Authenticate user for both admin and student. In this function we have login, register, and logout function that need to be developed. Next, the crucial functionality that needs to be developed for the project is a comprehensive search and filtering system. This feature will enable pet owners to easily find and select suitable pet-sitters based on their specific needs. The system should allow users to input criteria such as location, availability, services required, and pet preferences, and then match these criteria with the profiles and listings of pet-sitters. Additionally, a user-friendly filtering option should be provided, allowing pet owners to refine their search results based on factors like price, experience, ratings, and additional services offered by the pet-sitters. By implementing this functionality, the project aims to enhance the user experience, providing pet owners with a streamlined and efficient process to find the perfect pet-sitter for their pets.

### **1.4.2 Target User**

In this system, the target user are for client, pet-sitter and admin. These three can use this system which are for client and pet-sitter will have same function meanwhile admin has other function that can be used.

## **1.5 Project Significance**

The MY-PS (Malaysia Pet Sitter) project holds significant value as it addresses key challenges faced by pet owners, offering a centralized platform for finding reliable pet sitters. By streamlining the process, MY-PS brings convenience to pet owners, provides opportunities for pet sitters to earn extra income, promotes responsible pet ownership, and contributes to the overall well-being of pets in Malaysia.

## **1.6 Expected Output**

The expected outputs of the MY-PS project are Clients will benefit from an easy search and booking process for reliable pet sitters, access to comprehensive pet sitter profiles, and peace of mind knowing their pets are well cared for. Pet-sitters will gain increased visibility, opportunities to offer their services, simplified communication with clients, and additional income. The admin will oversee the centralized platform, ensure quality services, handle disputes, and maintain the platform's functionality for a seamless user experience.

## **1.7 Conclusion**

In conclusion, the MY-PS (Malaysia Pet Sitter) project is a significant and innovative solution that addresses the challenges faced by pet owners in finding reliable pet sitters in Malaysia. By providing a user-friendly platform, MY-PS revolutionizes the way pet owners connect with trustworthy pet sitters, streamlining the search and booking process. The project benefits both pet owners and pet sitters by offering convenience, a centralized information source, and additional income opportunities. MY-PS promotes responsible pet ownership, enhances the well-being of pets, and contributes to the larger community of animal lovers in Malaysia. With its comprehensive functionalities and positive impact, the MY-PS project serves as a valuable resource for all stakeholders involved in the pet-sitting industry.

## CHAPTER 2: LITERATURE REVIEW AND PROJECT METHODOLOGY

### 2.1 Introduction

This chapter discusses the details of the project that related to the literature review and project methodology used to complete this project. This chapter focuses on facts and findings of the laundry service domain, the existing laundry system and techniques that have been used in this project. Then, the chapter continues with a discussion on waterfall methodology, the project's requirement, the schedule, and the milestone of the project.

### 2.2 Facts and Finding

Fact finding is one of the formal processes to collect information and data. Usually the method would be research, interviews, or questionnaires to get the information needed.

#### 2.2.1 MY-PS Domain

The MY-PS (Malaysia Pet Sitter) system is a web-based application specifically designed to facilitate the process of finding reliable pet sitters. The system will be primarily developed using Visual Studio Code, a popular and feature-rich code editor that provides a comprehensive development environment.

For the front-end and back-end development, a combination of PHP, JavaScript, HTML, MySQL, and CSS will be utilized. PHP, being a server-side scripting language, will handle the back-end logic and data processing, while JavaScript will enhance the interactivity and functionality of the system on the client-side. HTML and CSS will be used to structure and style the user interface, ensuring an aesthetically pleasing and user-friendly experience. MySQL will serve as the database management system, storing and retrieving data related to pet sitters, clients, bookings, and other essential information.

By leveraging these technologies, the MY-PS system aims to provide a robust and efficient platform for pet owners to find and engage with pet sitters seamlessly. The combination of Visual Studio Code, PHP, JavaScript, HTML, MySQL, and CSS enables the development team to create a high-quality and user-centric web application that meets the needs of both pet owners and pet sitters.

### 2.2.2 Existing System

#### *A. Limited Access to Reliable Information*

Makes it difficult for pet owners to evaluate the qualifications and trustworthiness of pet sitters. The absence of a centralized platform or database results in a fragmented and inconsistent pool of information, leaving pet owners unsure about the credibility and suitability of potential pet sitters. This can lead to concerns and anxiety regarding the safety and well-being of their pets.

#### *B. Inefficient and Time-Consuming Search Process*

The inefficient search process further compounds the problem. Pet owners must invest significant time and effort in searching for pet sitters through various channels, making the process frustrating and tiresome. The lack of a streamlined search platform means that pet owners often have to rely on incomplete or outdated information, leading to a prolonged and ineffective search experience.

### 2.2.2.1 Comparison Between Existing and Proposed Application

<i>Features</i>	<b>Existing Application</b>	<b>MY-PS</b>
<i>Centralized Information</i>	Limited and scattered information sources	Comprehensive and reliable information database
<i>Search and Filtering Functionality</i>	Limited and inefficient search process	Streamlined and efficient search process
<i>User-Friendly Interface</i>	Basic and less intuitive interface	Modern and intuitive interface
<i>Ratings and Reviews</i>	Varies across platforms	Consistent and reliable ratings and reviews
<i>Security and Safety Measures</i>	Varies across platforms	Robust security and safety measures

*Table 2.1 Comparison Between Existing and Proposed Application*

Table 2.1 shows the comparison between existing and proposed applications. The existing application suffers from limitations in terms of centralized information, inefficient search and filtering functionality, a basic user interface, manual booking processes, inconsistent ratings and reviews, and varying security measures. On the other hand, MY-PS addresses these shortcomings by providing a comprehensive and reliable information database, a streamlined and efficient search process, a modern and intuitive user interface, consistent and reliable ratings and reviews, and robust security and safety measures.