Universiti Teknologi MARA

KITTYCARE: A SMART DIGITAL GATEWAY FOR LOCATING AND BOOKING CAT BOARDING FACILITIES

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ABSTRACT

The KittyCare mobile application was developed to address the challenges faced by cat owners in finding trusted and convenient boarding facilities during holidays or emergencies. Existing GPS platforms such as Google Maps or Waze are not specialized for pet care and often lack essential features tailored for cats, such as verified reviews, booking systems, or reliable service listings. KittyCare provides a centralized solution that allows users to locate, navigate, review, and book nearby cat boarding services. The system was developed using the Android Studio platform, with Java as the primary programming language and Firebase for real-time database and authentication services. Following the Waterfall Model, the development process included requirement gathering, interface design, system development, testing, and deployment. The system was designed with a user-friendly interface to ensure ease of use and to build trust among cat owners.

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CHAPTER 1: INTRODUCTION

In Chapter 1, it shows the overview of the proposed project, KittyCare including its background, the problems it aims to solve, research questions, objectives, scope, significance, expected outcomes and possible constraints. This chapter provides a structure for understanding the project's objective and direction.

1.1. Background of Study

In a past few years, pet ownerships have increased dramatically with cats are becoming one of the most popular pets worldwide. Cats are valued not only for their companionships but also for their independence nature and low care needs when compared to other pets like dogs. However, despite all good things about cats, there are still challenges that need to be faced as cat owners particularly when it comes to ensuring proper care of their cats during the owners are not around due to holidays, work call or emergencies. Therefore, cat boarding facilities existed to serve as an important solution by providing temporary accommodations where cat will be taken care of for their daily foods, medical care and social interaction in a safe and structured environment (Blancaflor & Banao, 2024). Despite the significance of these facilities, finding reliable boarding choices may be difficult for cat owners particularly in places where these services are less common or poorly advertised.

Most Popular Pets in Malaysia

Cat 77.7%
Dog 14.9%
Tropical Fish 13.2%
Rabbit 8.1%
Hamster 8.1%
Gold Fish 6.6%
Birds 6.6%
Reptile or Amphibian 3.0%
Others 8.1%

Source: Standard Insights Consumer Report Malaysia 2023