UTM Computing Proceedings
Innovations in Computing Technology and Application
Volume: x | Year: 2021 | ISBN No: x

UTM UNIVERSITI TEKNOLOGI MALAYSIA
INTERNATIONAL JOURNAL OF INNOVATIVE COMPUTING
ISSN 2180-4370
Journal Homepage : https://ijic.utm.my/

Mylovelycat Houz Cat Spa Booking System

Nur Hidayah bt Khairuddin, Dr Ruhaidah bt Samsudin
School of Computing, Faculty of Engineering
University of Technology Malaysia
81310 Johor Bahru, Johor, Malaysia
hidayah1997@graduate.utm.my , ruhaidah@utm.my

***Abstract*—This document is a summation of Mylovelycat Houz Cat Spa Booking System. In general, this web-based booking system is developed with the purpose of Customer's convenience to book a grooming spa session for their cats. This system consist of two main actors which include Customer and Administrator. Plus, this final year project is being developed according to Software Development Life Cycle (SDLC).** *(Abstract)*

Keywords — web-based system, development, book, SDLC.

I. INTRODUCTION *(HEADING 1)*

This system is very compatible with the era we live in today, online booking methods have been extensively used in many services. Many of us are preoccupied with our daily lives and may not be able to settle down in one sitting. Mylovelycat Houz Cat Spa Booking System is a web-based booking system consist of main function to book appointment. This is because the current method of booking appointment that has been used by the company is a manual system either through call or booking at the counter. The manual system used seems no to be very compatible especially during this pandemic time.

The actors of the system are Administrator and Customer and database is integrated to hold the data inserted by users. The advantages of the system would be improving effectiveness and securing data of the user.

II. PROBLEM BACKGROUND

MyLovelyCat Houz is a pet store that offers cat grooming services. They have a number of packages available, including Basic Grooming, Medicated Grooming, Flee Grooming, Lion Cut Grooming, and so on. MyLovelyCat Houz currently uses the manual method of booking appointment is a time-consuming process and inconvenient which require a lot of effort to manage. Furthermore, they are always having problems with booking time slot redundancies, where customers are unsure of the available date for them to send their cats. In addition, the customer must sign a hard copy agreement from the pet store.

III. LITERATURE REVIEW OF TECHNOLOGY USED

A. Software Review

- Sublime Text: Integrated Development Environment (IDE) that used to develop the system
- WAMP server: A development platform on Windows to manage database.
- Draw.io : A tool used to design UML diagram for documentation. This tool help the software development to manage complex information.
- WPS Office: A tool used to compile all the documentation required for development.

B. Web-programming Development

- HTML5
- CSS
- Bootstrap
- MySQL
- TCPDF

IV. METHODOLOGY

Agile methodology is a method for assisting developers in the development of the software through iterative development [1] (Figure 1). This methodology is divided into several phases

which has been applied into the development. Obviously, this method has been applied in many developments compared to other methodologies because it is understandable by the developer.

V. RESULT

The main use case diagram, which includes the system software as well as the actor, will be seen in this section. Customer and Administrator are the system's actors (Figure 2).

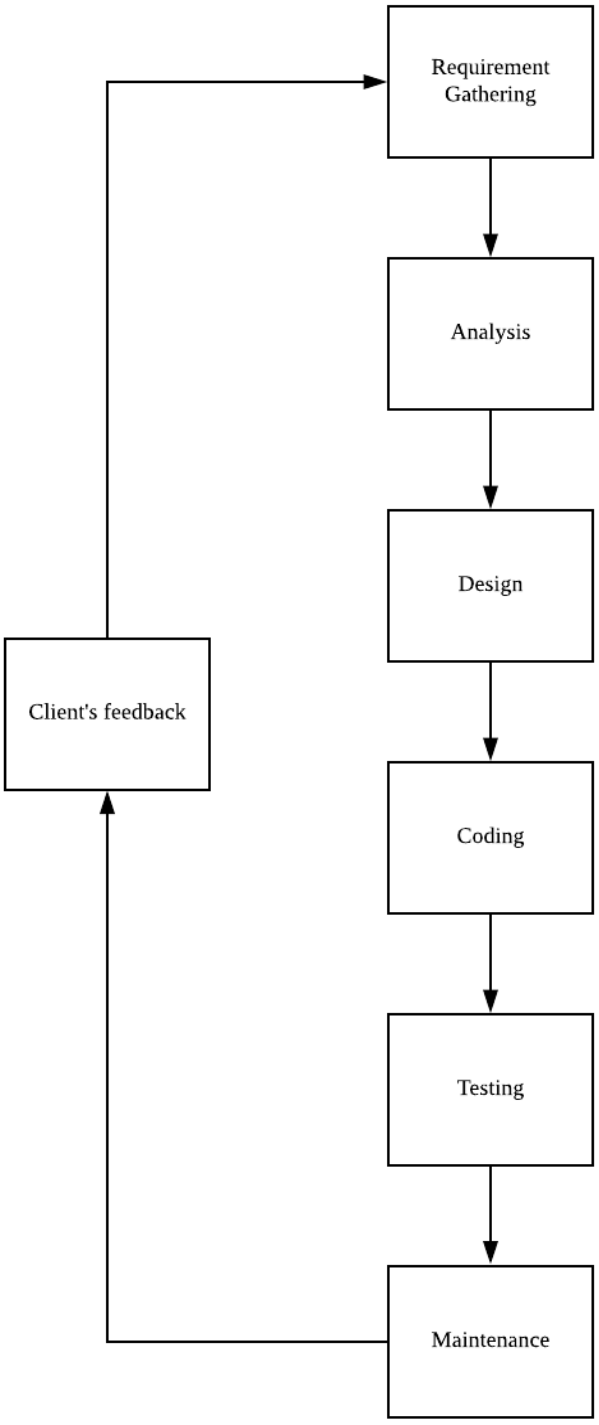
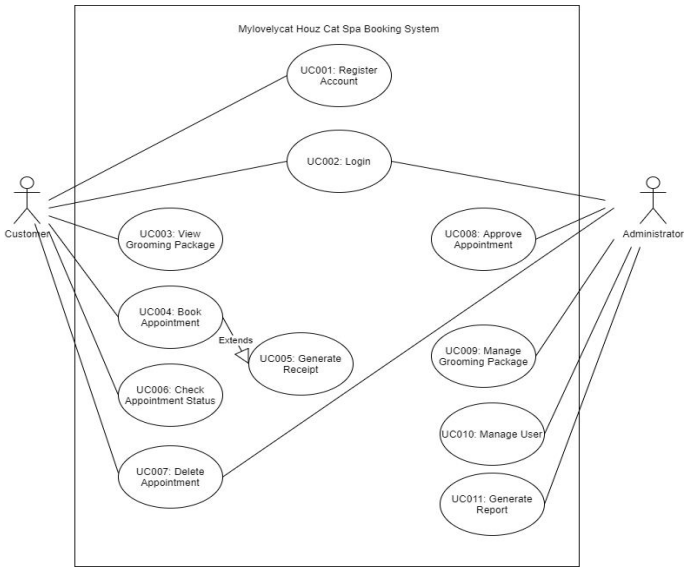


Fig. 1. Agile Methodology



.

Fig. 2. Main Use Case

System testing has been conducted to test the function of the system. The main functions of the system are registration, login, grooming package, appointment, profile and receipt or summary of the appointment made. Based on the survey conducted, the functionality of the system has been evaluated and the result are shown as in Figure 3.

The graph shows that two function of the system could be improved which are login and appointment use case.

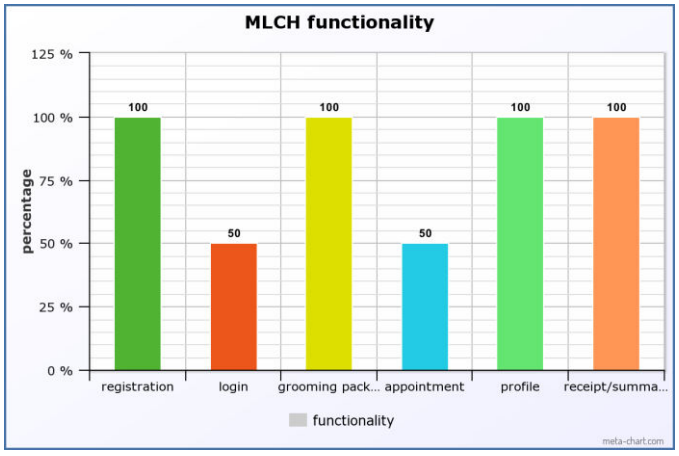


Fig. 3. MLCH Functionality

ACKNOWLEDGMENT

Throughout the process of writing this thesis, I communicated with many people who contributed to my understanding and thoughts. I'd like to thank my main thesis supervisor, Dr Ruhaidah bt Samsudin, for her encouragement, guidance, and advice. As a matter of fact, I'd just want to express my sincere gratitude to Pn Nurul Huda bt Zamzuri, the director of 'MYLOVELYCAT HOUZ,' for her contribution in order for

me to prepare my final year project. Finally, my gratitude goes to my parents, family, and friends who have helped and supported me on multiple occasions.

REFERENCES

[1] Aljawarneh, S., 2012. Web application development processes: requirements, demands and challenges. [online] Academia.edu. Available at: <http://www.academia.edu/21982229/Web_application_development_processes_requirements_demands_and_challenges> [Accessed 3 August 2021].

[2] Dora K. and Dubey P., 2013. Software Development Life Cycle (SDLC) Analytical Comparison and Survey on Traditional and Agile Methodologies. [online] abhinavjournal.com. Available at: <http://www.abhinavjournal.com/>[Accessed: 5 August 2020].

[3] Ishihara N., Funabiki N., Kuribayashi M., Kao W. C., 2017. A Software Architecture for Java Programming Learning Assistant System. [online] doi.org. Available at: <https://doi.org/10.15344/2456-4451/2017/116> [Accessed: 5 August 2020].

[4] Sarker H. and Apu K., 2014. MVC Architecture Driven Design and Implementation of Java Framework for Developing Desktop Application. [online] researchgate.net. Available at: <https://www.researchgate.net/publication/291098214_MVC_Architecture_Driven_Design_and_Implementation_of_Java_Framework_for_Developing_Desktop_Application> [Accessed: 28 July 2020].

[5] Sharma S., Sarkar D., Gupta D., 2012. Agile Processes and Methodologies: A Conceptual Studies. [online] researchgate.net. Available at: <https://www.researchgate.net/publication/267706023_Agile_Processes_and_Methodologies_A_Conceptual_Study> [Accessed: 25 June 2020].

[6] Singh T., 2015. Java Web Design Frameworks: Review of Java Frameworks for Web Application. [online] .researchgate.net. Available at:<https://www.researchgate.net/publication/275032975_JAVA_WEB_DESIGN_FRAMEWORKS_REVIEW_OF_JAVA_FRAMEWORKS_FOR_WEB_APPLICATIONS> [Accessed: 5 June 2020].