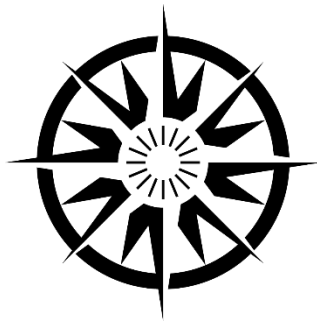# COMP1108/COMP1181 – Project

UNIVERSITY *of* GREENWICH

Final Year Project Proposal

Ipoh Homestay reservation

System

PN. INTAN

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Contents

Title

Ipoh homestay Reservation Website

Aim

-To build a platform dedicated the budget traveler to enjoy the beauty of Ipoh, closing the Ipoh citizen's lifestyle and explore more about Ipoh, increase demand of homestay, to make sales more clearly and easily to manage.

Introduction

Ipoh homestay is a booking website that helps customer to make home stay reservation around Ipoh, Perak area. It able to obtain the special discount since the owner has cooperated with many manufactures with traveler category. Currently, Ipoh homestay have only 3 houses with 10 rooms with. For future, they try to expend and renovate more and more houses and rooms to make customer experience to the next level.

With more and more houses are for renting and always available, Ipoh homestay are currently only recognizing with local citizen. They can only be known as truly introduce by the local citizen. To solve this problem, Ipoh Homestay need to expend their market and the online system should be implemented. It is because, it is too slow to spread their market through the traditional way. Around these days, Malaysia government are pushing the internet communication and many and many citizens are eligibility to enjoy communication though internet due to Malaysia government are currently pushing the development of internet and lower down the price. Having a smart device are very common nowadays, with using big data, we can drop advertisement more efficient compare to the past. I believe that this platform can let Ipoh Homestay increase the rate of renting.

This project is to design and develop of website that allow user to making a reservation without a human and operate all the time. The main core function is to make a homestay reservation around the Ipoh area. Before this, the system is required to register a member account for newly customer. To make sure user is protected, user is requiring ticking an agreement of terms and condition and user can subscribe our website to obtain the latest news such as promotion discount. Next, the customer can select an available slot and placing an order then using payment gateway to settle down the payment issue. While choosing a slot, customer also able to select add-on such as extra bed or towel to fulfill their needs.

For the owner, he has an admin dashboard to manage homestay. The owner can use their dashboard to expend or delete the houses and config the suitable capacity houses and add in the photo on in.

once the configuration of property are made, it can be publish to the web and waiting people to order.

Finally, owner also can view analysis report, it will generate monthly report for accounts and determined which houses are best selling and which is not to provide better service to their own customer.

Problem Statement

Currently, Ipoh homestay are trying to expend more capacity for houses, but the popularity of this branding is lacking population.

Key Phrases

Travel, reservation, Homestay, Ipoh, cashless payment, data analysis

Objectives

1. To simplify the registration process

   Activities:

   Register website one by one and discover how their registration system works.

   Deliverables:

   To shorten down the registration process

2. To provide a great experience to making reservation through online

   Activities:

   To discover and reference the similar website then learns the foundation of UX.

   Deliverables:

   To develop landing page simple, clear and easy to use

3. Able to allow generate sales report properly

   Activities:

   Investigate how to pull data from spreadsheet software.

   Deliverables:

   Implement csv file data into website.

4. Provide more details information for homestay

   Activities:

   Learn how to add on the detail though database system

   Deliverables:

   To implement well-structured data with holding extra information
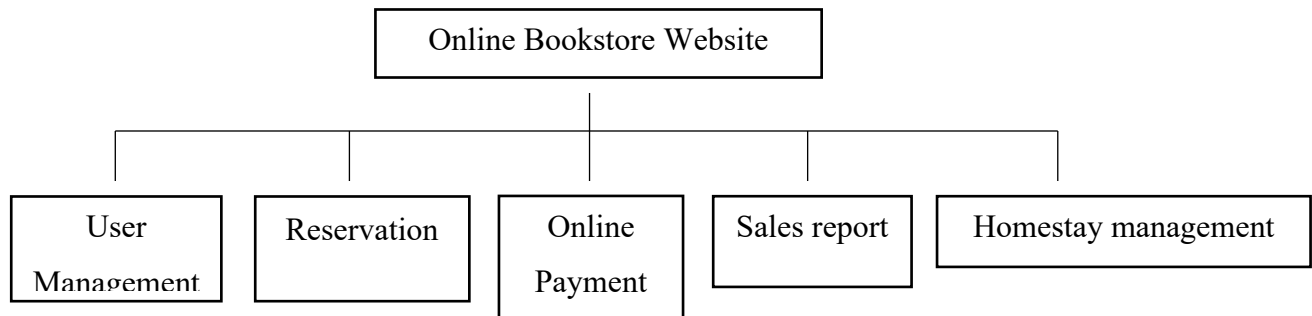
5. Provide a faster way for making online payment

   Activities:

   Investigate which payment gateway are suitable to plug in.

   Deliverables:

   Using Gateway API to implement payment system.

Functional Requirements

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                    ┌─────────────────────────────┐
                    │   Online Bookstore Website  │
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User Management	Reservation	Online Payment	Sales report	Homestay management

Module 1: User Management

Functionalities for the admin:

- ❖ Create user
- ❖ Edit user
- ❖ Delete user

Functionalities for the user:

- ❖ Member registration
- ❖ Edit member profile

Common functionalities for all:

- ❖ Log in
- ❖ Change password
- ❖ Log out
- ❖ Change Phone number

Module 2: Reservation:

- ❖ View Available homestay
- ❖ Make reservation
- ❖ Cancel reservation
- ❖ View detail of homestay
- ❖ Date & time
- ❖ Capacity of rooms
- ❖ Person capacity

Module 3: Online Payment

- ❖ Allow make payment after reserved
- ❖ Support E-wallet

Module 4: Sales Analysis

- ❖ Generate monthly report
- ❖ Only Owner can download the report
- ❖ View every transection
- ❖ View total sales
- ❖ View homestay's sales ranking

Module 5: Homestay Management

Admin

- Adjust price

- Add homestay

- change homestays status

- add photo of homestays

- adjust homestay and rooms capacity

- add on configuration

Required Resources:

Initial Investigation:

Self-investigate similar website to gain the idea of designing.

Investigate what's the add-on needed in homestays

Development:

Desktop with AMD Ryzen 5 2600 processor, 8GB RAM, 100GB SSD space, Windows 10

Visual Studio: to develop ASP.NET in C#

Database: Microsoft SQL Server

Knowledge of HTML, CSS and Javascript

Access to libraries/internet

Implementation:

Intel Xeon Server with Windows Server, IIS and Microsoft SQL Server OR   a web hosting that support ASP.NET and Microsoft SQL Server database.

Access to the internet

Initial References

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