

JTY Hostel

Tan Xin Hui

SESSION 2020/2021

FACULTY OF INFORMATION SCIENCE AND TECHNOLOGY

MULTIMEDIA UNIVERSITY

OCTOBER 2020

JTY Hostel

BY

**Tan Xin Hui
1181201016**

SESSION 2020/2021

**THE PROJECT REPORT IS PREPARED FOR
FACULTY OF INFORMATION SCIENCE AND TECHNOLOGY
MULTIMEDIA UNIVERSITY
IN PARTIAL FULFILLMENT
FOR**

DIPLOMA IN INFORMATION TECHNOLOGY

FACULTY OF INFORMATION SCIENCE AND TECHNOLOGY

MULTIMEDIA UNIVERSITY

OCTOBER 2020

© 2020 Universiti Telekom Sdn. Bhd. ALL RIGHTS RESERVED.

Copyright of this report belongs to Universiti Telekom Sdn. Bhd. as qualified by Regulation 7.2 (c) of the Multimedia University Intellectual Property and Commercialisation Policy. No part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Universiti Telekom Sdn. Bhd. Due acknowledgement shall always be made of the use of any material contained in, or derived from, this report.

ACKNOWLEDGEMENT

With a grateful heart, first I would like to thank those who helped me in the course of Computing Project. First and foremost, I would like to thank my parent who giving me a chance study in Multimedia University for the course of Diploma in Information Technology.

Besides, I would like to thank my supervisor Miss Lim who had gave me a lot of help during the time I do my Final Year Project. She always reply my question when I face difficulty and the also follow up my work condition. Apart from that, I would like to thank Mr. Noor Hisham Bin Kamis who have also gave us a lot of advice when we have faced any problems.

Furthermore, I would like to thank my group member who are Tan Jun Zhi and Yap Jun Hi. They always help me when I faced difficulty in coding part. Moreover, I would like to thanks my friends those who help me. I would like to thank other friends who have also provided me their valuable experience and opinion while I am doing this project.

I would like to express my deepest appreciation to all of them who have helped me in this final year project, without their careful and precious guidance which were valuable, I won't be able finished this project within the deadline.

Last but not least, I would like Multimedia University who offer this subject and let me gain the real time working situation.

Abstract

Our report is about hostel booking system. We use it to help students in finding their satisfied accommodation. This online system also helps freshies to get to know the hostel environment faster and easier, and they can easily find their favourite and preferable hostel. Our system will provide a platform for owner to register their house for rental. By using our system, the owner can find their tenant in a faster way and they will not leave their house in empty for a long period and prevent make lost of money. Furthermore it also provide better assurance for student. This system will provide better convenience to students in booking their preferred hostel as well as to provide owners to manage their hostel unit rental in an easier way.

LIST OF TABLES

Table 1.1: Division of tasks	8
Table 3.5.1 Data Dictionary Hostel Booking System - Owner	19
Table 3.5.2 Data Dictionary Hostel Booking System – Hostel	19
Table 3.5.3 Data Dictionary Hostel Booking System – Student	20
Table 3.5.4 Data Dictionary Hostel Booking System – Admin	20
Table 3.5.5 Data Dictionary Hostel Booking System – Category	20
Table 3.5.6 Data Dictionary Hostel Booking System – Coupon	21
Table 3.5.7 Data Dictionary Hostel Booking System – Rating	21
Table 3.5.8 Data Dictionary Hostel Booking System – Appointment	21
Table 3.5.9 Data Dictionary Hostel Booking System – Payment	21
Table 3.5.10 Data Dictionary Hostel Booking System – Voucher	22
Table 3.5.11 Data Dictionary Hostel Booking System – Booking	22
Table 3.5.12 Data Dictionary Hostel Booking System – Favourite	22
Table 5.1.1.1: Student Part Test Plan	60
Table 5.1.2.1: Owner Part Test Plan	64
Table 5.1.3.1: Admin Part Test Plan	69

List of Figures

Figure 1.1 Gantt Chart	7
Figure 2.1.1 Booking	10
Figure 2.1.1 Booking	10
Figure 2.1.3 iBilik product list	11
Figure 2.1.4 apartment looks	11
Figure 2.1.5 Product list	12
Figure 2.1.5 Product list	12
Figure 2.1.5 Product list	13
Figure 3.3.1 Context Diagram Hostel Booking System	16
Figure 3.3.2 Data Flow Diagram Hostel Booking System	17
Figure 3.4.1 Entity Relationship Diagram Hostel Booking System	18
Figure 4.1.1 Translate	24
Figure 4.1.2 Index Page	25
Figure 4.1.3 About Page	27
Figure 4.1.4 Contact Us Page	28
Figure 4.1.6 Log In	29
Figure 4.1.7 Register Page for Malaysian	29
Figure 4.1.8 Register Page for Non-Malaysian	30
Figure 4.1.9 Security question	31
Figure 4.1.10 Login Page	32
Figure 4.1.12 Forget Password	33
Figure 4.1.13 Forget Password by Email	33
Figure 4.1.14 Forget Password by Email 2	34
Figure 4.1.15 Forget Password by Security Question	34
Figure 4.1.16 Forget Password by Security Question 2	34
Figure 4.1.17 Navigation Bar	35
Figure 4.1.18 Feedback	35
Figure 4.1.19 Search Bar	36
Figure 4.1.20 Search Bar2	36
Figure 4.1.21 View All Apartment	37

Figure 4.1.22 Filter	38
Figure 4.1.23 Filter 2	39
Figure 4.1.24 View Details	40
Figure 4.1.25 Hostel Details	41
Figure 4.1.26 Favourite List	42
Figure 4.1.27 Shopping Cart	42
Figure 4.1.28 Make appointment	43
Figure 4.1.29 Appointment	44
Figure 4.1.30 Booking	45
Figure 4.1.31 Payment	46
Figure 4.1.32 View Receipt	46
Figure 4.1.33 Print Receipt	47
Figure 4.1.34 Purchase History	48
Figure 4.1.35 Rating	49
Figure 4.1.36 Account Setting	50
Figure 4.1.37 Profile Information	50
Figure 4.1.38 Edit Profile	51
Figure 4.1.39 Security Question	52
Figure 4.1.40 Change Password	53

Table of Contents

ACKNOWLEDGEMENT	2
Abstract.....	3
List of Figures	5
Part I:.....	1
Introduction.....	1
1.1 Overview.....	2
1.2 Project Objectives	3
1.3 Target Users	4
1.4 Project Scope	5
1.5 Gantt Chart.....	7
1.6 Division of Work	8
Part II:	9
Primary Study/	9
Literature Research	9
2.1 Primary Study	10
2.2 Problem Statement	14
Part III:	15
System Design	15
3.1 System Features	16
3.2 Hardware/Software Requirements	14
3.3 Context Diagram & Data Flow Diagram.....	16
3.4 Entity Relationship Diagram.....	18
3.5 Data Dictionary.....	19
Part IV:.....	23
System Previews	23
4.1 Customer/Member Module.....	24
Part V:	55
System Testing.....	55
5.1 System Testing.....	56
Part VI:.....	70
Conclusion	70
6.1 Conclusion	71
6.2 Future Enhancements.....	72
Part VII:	73
References.....	73

Part I:

Introduction

1.1 Overview

The online hostel rental booking system is a platform that provides convenience to the user from the traditional reservation system. It is user-friendly so users can directly book the satisfied hostel or room from the internet. They do not need to be afraid they can't find the room. Besides, users are able to compare the price, location, also the cleanliness of the hostel.

The reason we choose hostel rental booking system as our final year project report because we found that MMU students always face problem during the period they are finding hostel. Sometimes, students may face some risks such as owner cheats student after they have made their deposit payment, the photo of the accommodation that owner has provided is totally different with what the hostel that they rent Student can only bear it because they had signed the contract. So, we launched this website to avoid these happen and they can get better ensure by using our website.

By using this website, students can save their time from surfing the other website just to find a hostel. The system has collected most of the information of the hostel that is close to the university. Therefore, students do not require to consider the transportation to go to the university.

1.2 Project Objectives

1. To enhance the credibility of online hostel booking system.

The hostel rental booking system is used to ease students to book their preferable hostel. So, we provide rating for students to rate the hostel. By using the rating we can increase the credibility of the hostel. Students can read through these rating and decide if they want to book the hostel. Besides, after they move in to the hostel they are able to do the rating.

1.3 Target Users

1. Hostel Owner

Our system will make it convenient for hostel owner in handling their house for rental. We will help them to handle the process such as bringing student who are interested to visit the house and communicate with students about the details. House owner only need to attend when the moment they want to sign the contract.

2. Student

Our system will also help MMU students in finding their preferable and satisfied hostel. When MMU students are about to enroll to MMU, they will face difficulties in looking for suitable accommodation. Sometimes after they have stayed at the initial hostel for some time, they wish to move out to a more comfortable hostel. Therefore, in our system, there will be various types of hostel for students to choose based on their requirements.

3. Admin

Admin has to manage the entire system information. For example, admin needs to verify student's supporting document such as offer letter in order to approve their registration in the system. Admin has the right to blacklist hostel owner block the owner account based on tenant complaints. Admin also can block tenant account if they get complaints by owner that the tenant is problematic.

1.4 Project Scope

Our system is a hostel booking system that provide student to rent a hostel from hostel owner. The reason we do this system is to provide convenience to both hostel owner and student. After students have decided to rent a house, 10% of first month rental will be our commission whereas the rest of the amount will be transferred to the hostel owner. For the deposit, the deposit is refundable after the student satisfies with everything of the hostel.

For our system, visitors who have not signed up for an account they unable to view the hostel details. If they want to view the hostel we provided, they have to register for an account to be a user. The main purpose we set up this system is to convenient MMU students for finding their preferable hostel. So, for those who wanted to register as a user they have to make sure they are MMU students. They need to upload their offer letter when they are registering for their accounts. Once students have confirmed their booking and payment is made, they are not able to cancel their booking.

Besides, our system also provides owner to post their units or hostels. They could edit the post after they posted it. Owner cannot edit the post if the hostel is not available or already rented. Similar as students, owners also need to register for an account before they can post any hostel for rental. Owners have to make sure the information that they have given is real and did not contain any misleading information. Furthermore, owners need to comply with our rules whereby they are not allowed to provide their contact number to students before the booking is confirmed. Owners can only provide their contact number once the booking by the student is confirmed. This is to avoid students to disturb the house owners before they want to confirm their booking.

As an admin, he/ she has to verify the offer letter that is uploaded by student and then approve students' registration in the system. Admin needs to manage the list

of the owner. If admin found the owner deceives, he/ she will be classified in blacklist. Moreover, student can be blacklisted too if we receive complaints from the owner. Admin is able to view the list of hostel booking as well as request of booking.

1.5 Gantt Chart

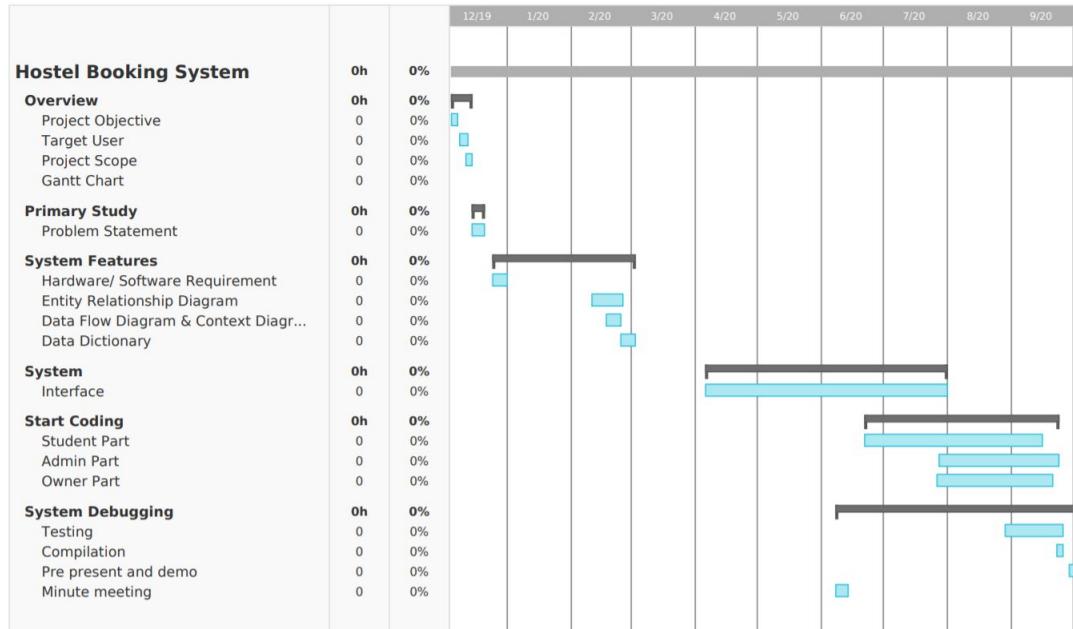


Figure 1.1 Gantt Chart

1.6 Division of Work

TASKS	STUDENTS		
	Tan Xin Hui	Tan Jun Zhi	Yap Jun Hi
Preparing project proposal	X	X	X
Overview	X	X	X
Objectives	X	X	X
Target Users	X	X	X
Project Scope	X	X	X
Gantt chart	X	X	X
Primary Study	X	X	X
Problem Statements	X	X	X
System Features	X	X	X
Hardware/Software Requirements	X	X	X
Data flow diagram & Context Diagram	X		X
Entity relationship diagram	X		X
Data dictionary	X		X
System Interface Design	X	X	X
System Coding	X	X	X
System Testing	X	X	X
Compilation of Final Report		X	
Presentation and Demo	X	X	X
Meeting Minutes	X		

Table 1.1: *Division of tasks*

Part II:

Primary Study/

Literature Research

2.1 Primary Study

iBilik:https://www.ibilik.my/short_term_rentals

Advantages:

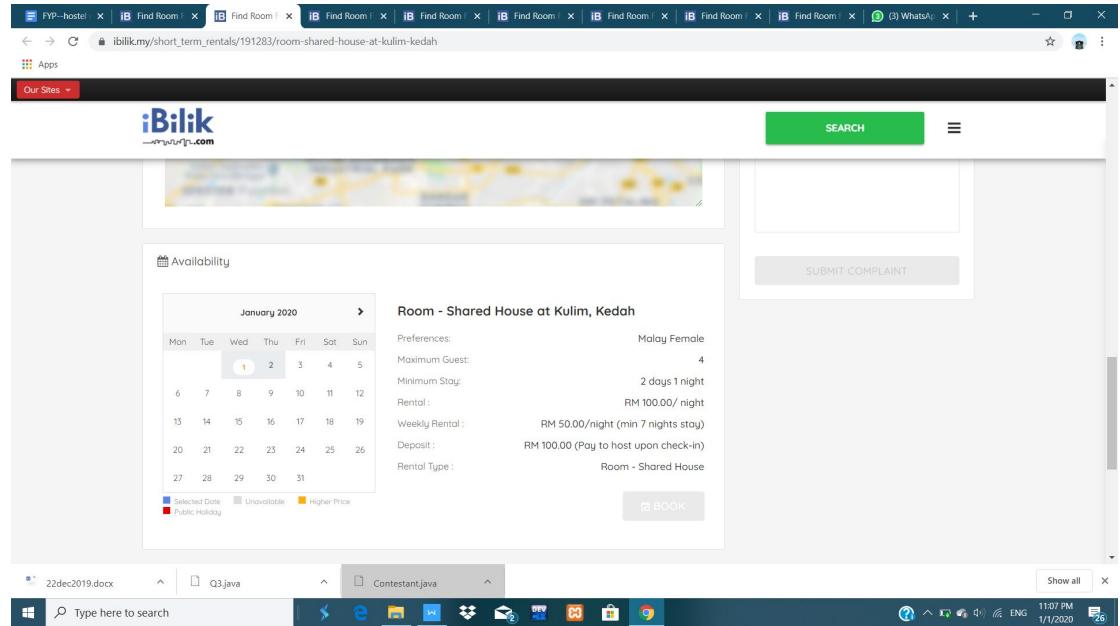


Figure 2.1.1 Booking

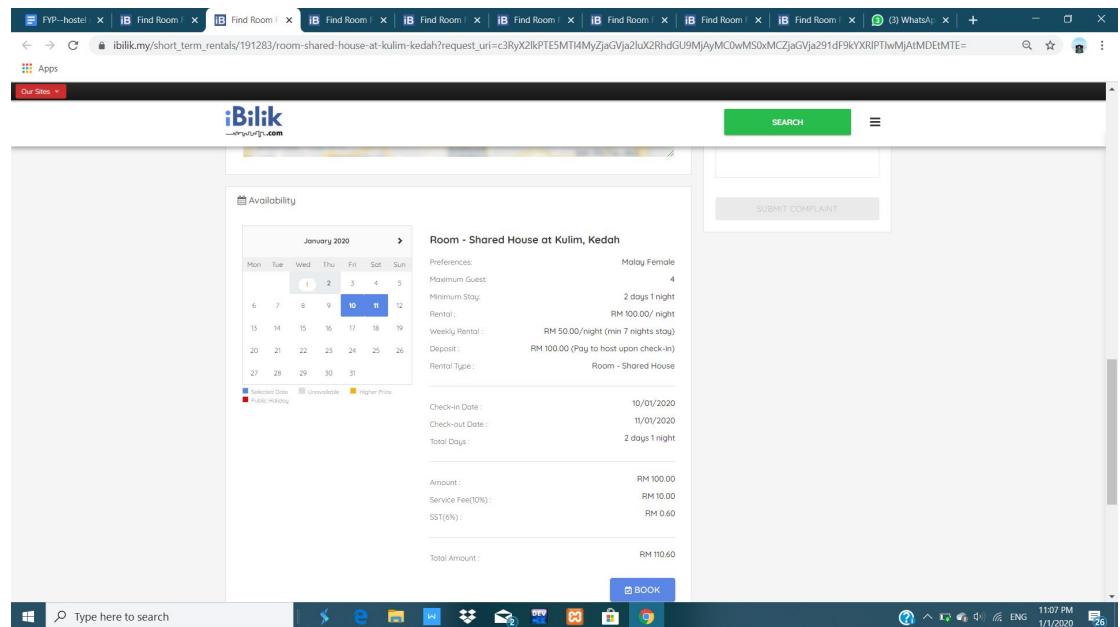


Figure 2.1.2 Booking

From figure 2.1.1 and figure 2.1.2 we found that it is easy when we want to find the date that we want to book. Besides, when we select the date we can directly know the price. It is very convenient user. Furthermore, the taxes that need to pay is acceptable they also show user type of rental they have made.

Disadvantages:

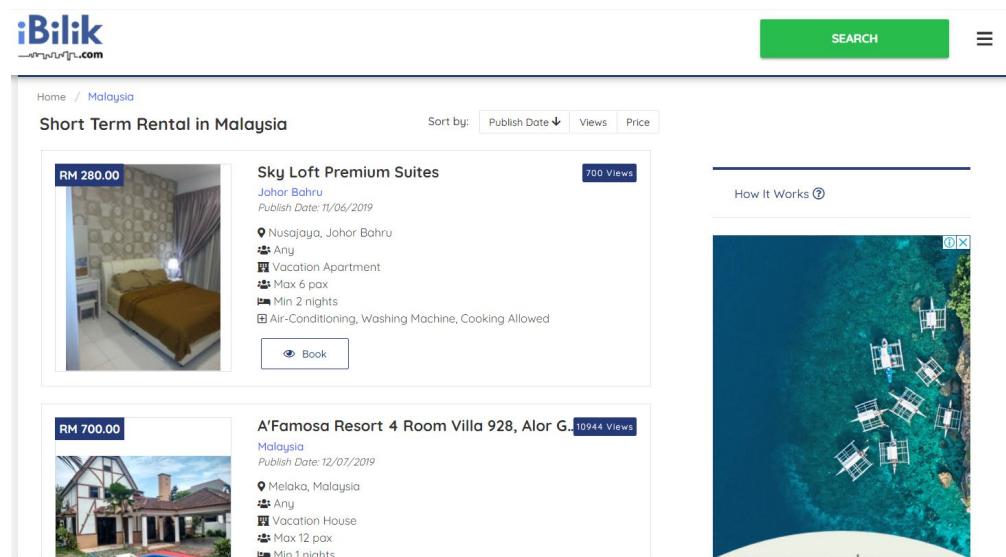


Figure 2.1.3 iBilik product list

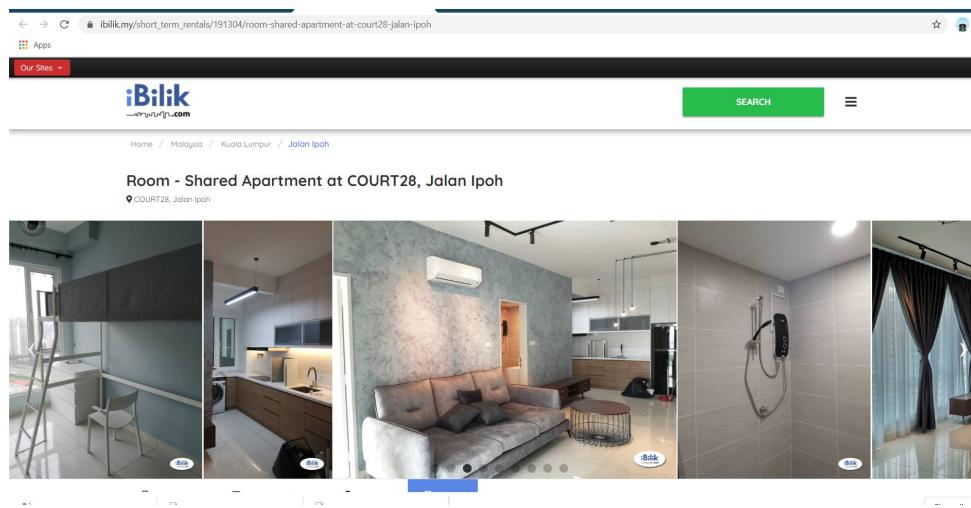


Figure 2.1.4 apartment looks

From figure 2.1.3 we can see that they did not give user to rate the apartment. This will cause other user do not know the real situation of that apartment.

User can only determine the apartment via the photo that uploaded by the owner.

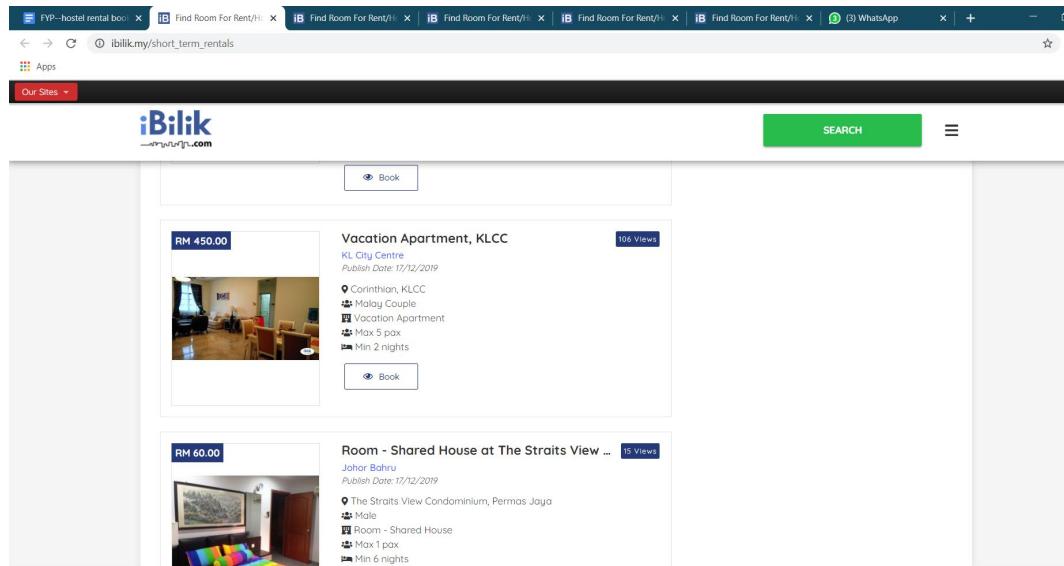


Figure 2.1.5 Product list

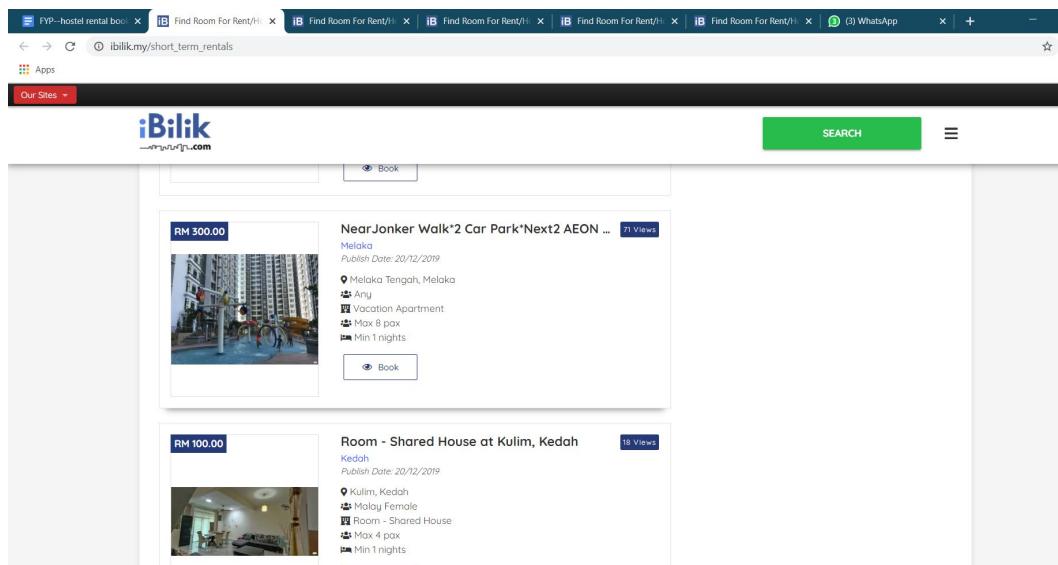


Figure 2.1.6 Product list

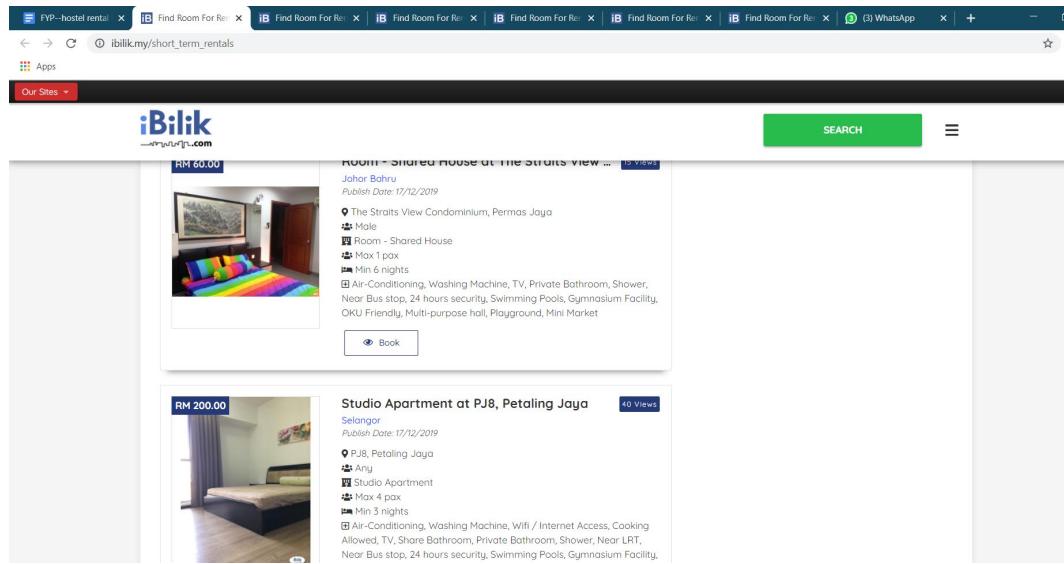


Figure 2.1.7 Product List

From the figures, we can see that they did not arrange those apartment according to the location. We found that the location is mixed. It is a bit messy and it will cause user difficult to find the apartment. They need to use some time in finding their preferable apartment.

Summary:

Advantages	Disadvantages
<ul style="list-style-type: none"> User can easily find the date they want to book. The price shown directly after user select the period. 	<ul style="list-style-type: none"> There are no ratings for user to rate the apartment. The location are not being arranged accordingly.

2.2 Problem Statement

Objective: *To enhance the credibility of online hostel booking system.*

Problem Statement: The ibilik and Iproperty website both did not provide rating for user to rate and see. User cannot rate the apartment after they book the apartment. Besides, user can only know the house's condition through the picture that provide by the owner. Maybe there is some discrepancy from the picture that given because the picture may be taken by the owner few years ago. Furthermore, nowadays the Photoshop technique is very popular so they might edit the picture and make it look nicer.

Part III:

System Design

3.1 System Features

1. Student

- Can register and log in to our system
- Can view or edit profile
- Can reset password
- Can logout
- Can view available room posted by hostel owner
- Can filter based on hostel category
- Can search hostel based on hostel's name
- Can add the hostel into favourite list and cart
- Can make an appointment to visit the hostel
- Can make rental payment of first month
- Can view booked house details and booking status
- Can do rating after they rent the hostel

2. Hostel Owner

- Can register and log in to our system
- Can view and edit profile
- Can post the hostel details and delete the post
- Can view student details who have booked their house
- Can view student's payment status
- Can view booking status
- Can delete account
- Can reset password
- Can logout

3. Administrator

- Can log in to system
- Can add new admin
- Can add coupon for student to have discount during payment
- Can view appointment which made by student
- Can approve student and owner registration
- Can view and edit own profile
- Super admin can view list of admin
- Can view list of students
- Can view list of hostel owners
- Can view list of hostel posts
- Can delete student or owner account
- Can view hostel booking records
- Can reset password
- Can view the hostel rating
- Can check student payment status
- Can logout

3.2 Hardware/Software Requirements

3.2.1 For Developer

Hardware Requirements	Software Requirement
<p>Personal Computer(PC)</p> <ul style="list-style-type: none"> • Intel® Core i5 OR above • 4GB of RAM. • 2 GB of available hard-disk space for installation. • 1024x768 display with 16-bit color and 512 MB of VRAM • Internet Connection <ol style="list-style-type: none"> 1. Wi-FI 2. LAN 	<ul style="list-style-type: none"> • Notepad ++. • Microsoft Paint. • Microsoft Word • Draw IO • Operating System: <ol style="list-style-type: none"> 1. Windows 7. 2. Windows 8/8.1. 3. Windows 10. 4. Linux Ubuntu • Browsers: <ol style="list-style-type: none"> 1. Google Chrome. 2. Mozilla Firefox. 3. Microsoft Edge.

3.2.2 For User

Hardware Requirements	Software Requirement
<p>Personal Computer(PC)</p> <ul style="list-style-type: none"> • Intel® Core i3 OR above • 2 GB of RAM. • 2 GB of available hard-disk space for installation. • 1024x768 display with 16-bit color and 512 MB of VRAM • Internet Connection <ul style="list-style-type: none"> 3. Wi-FI 4. LAN <p>Mobile Devices</p> <ul style="list-style-type: none"> • Smartphone: Samsung/Iphone • Ram : 1 GB 5. CPU: Exynos 7880/Apple A6 	<ul style="list-style-type: none"> • Operating Systems <ol style="list-style-type: none"> 1. Windows 7. 2. Windows 8/8.1. 3. Windows 10. • Browsers <ol style="list-style-type: none"> 1. Google Chrome 2. Mozilla Firefox 3. Safari • Operating Systems <ol style="list-style-type: none"> 1. Android 2. IOS <p>Browsers: Google Chrome/Safari</p>

3.3 Context Diagram & Data Flow Diagram

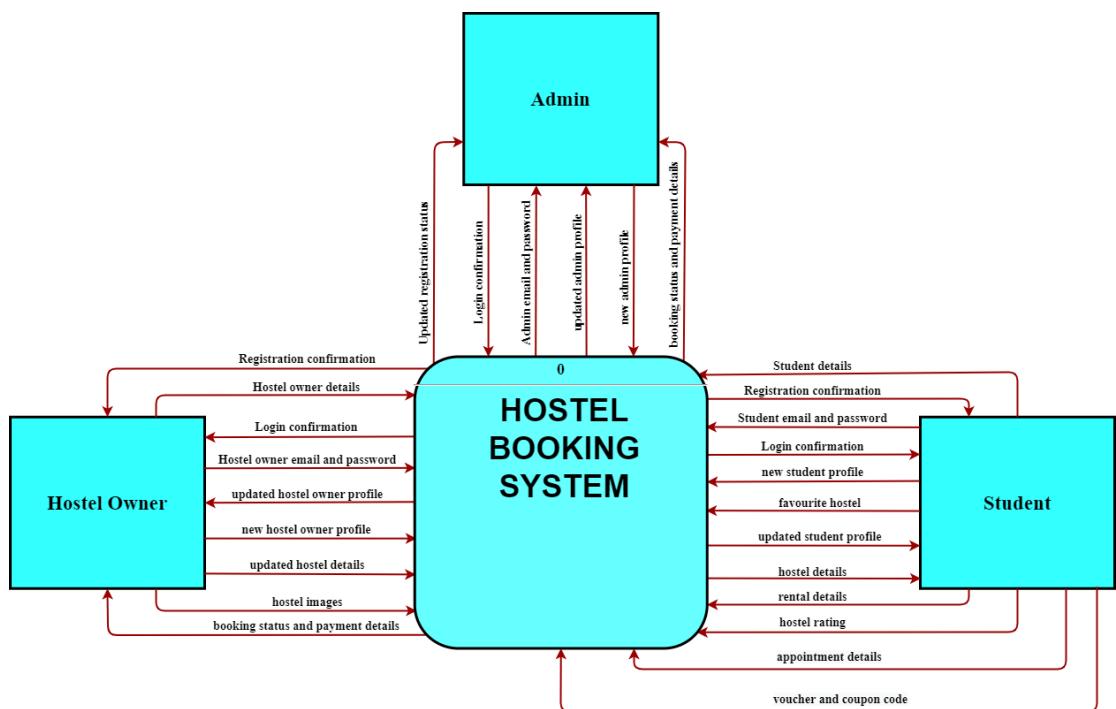


Figure 3.3.1 Context Diagram Hostel Booking System

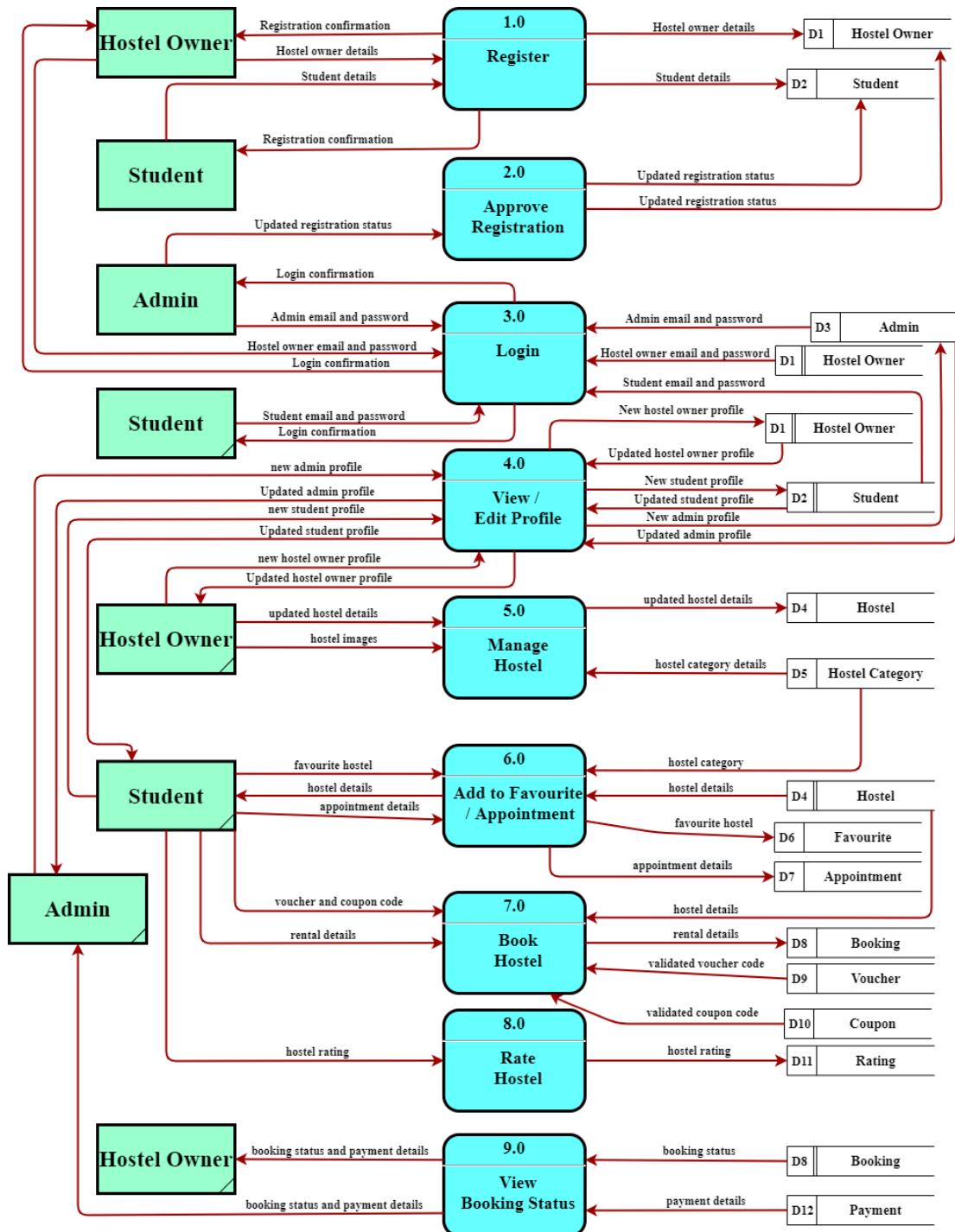


Figure 3.3.2 Data Flow Diagram Hostel Booking System

3.4 Entity Relationship Diagram

Crow's Foot Model

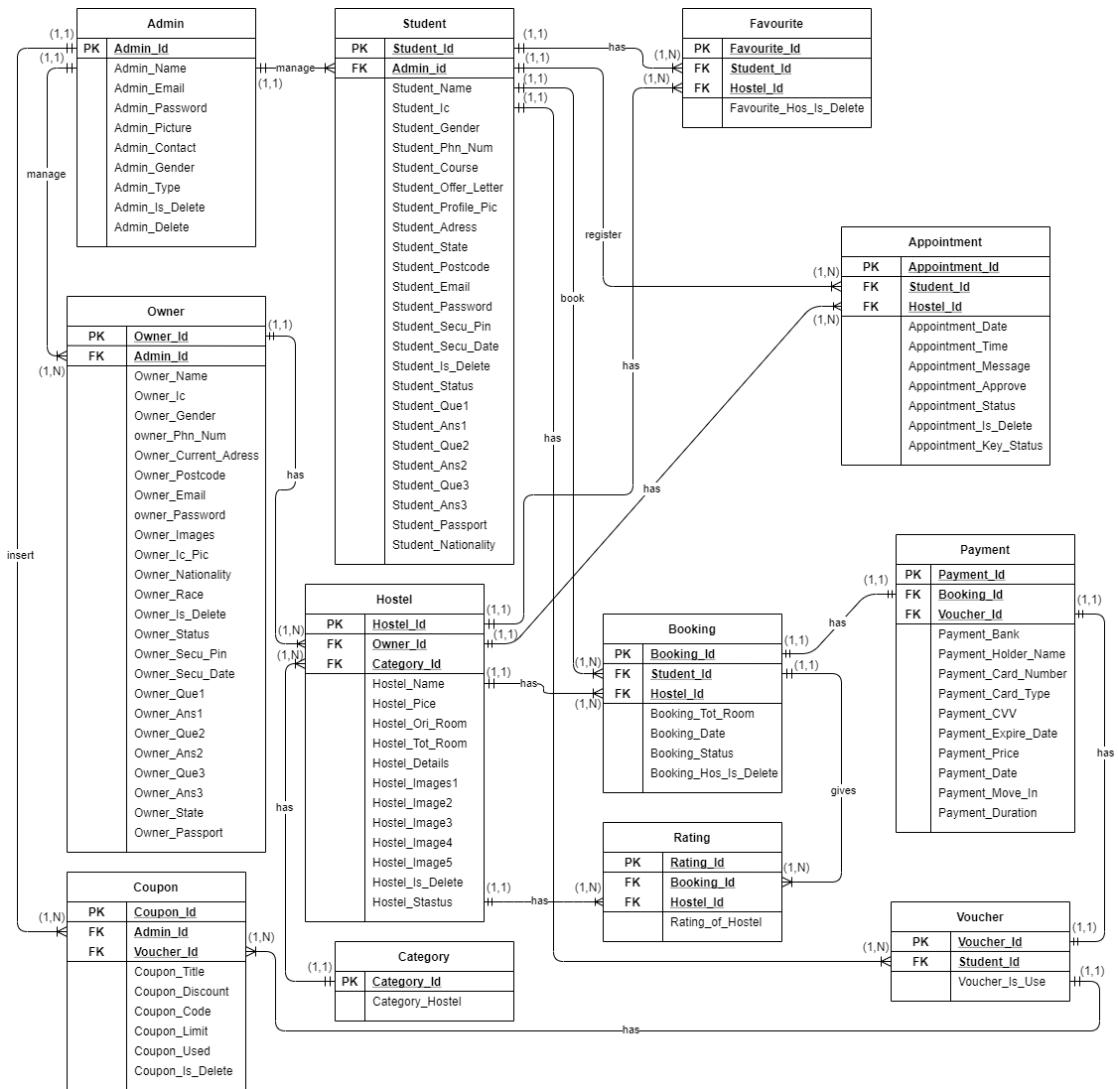


Figure 3.4.1 Entity Relationship Diagram Hostel Booking System

3.5 Data Dictionary

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Owner	Owner_Id	Owner Identification	Int(10)	0000000000	Y	PK	
	Owner_Name	Owner Name	Vchar(255)	Xxxxxxxxxx	Y		
	Owner_Ic	Owner Identity Card	Vchar(12)	000000-00-0000			
	Owner_Gender	Owner's Gender	Vchar(255)	Xxxxxxxxxx	Y		
	Owner_Passport	Owner Passport	Vchar(100)	Xxxxxxxxxx			
	Owner_Ph_ Num	Owner Phone Number	Vchar(255)	000-00000000	Y		
	Owner_Current_Address	Owner Current Address	Vchar(255)	Xxxxxxxxxx	Y		
	Owner_Postcode	Owner Postcode	Int(5)	00000	Y		
	Owner_Email	Owner Account Email	Vchar(255)	Xxxxxxxxxx	Y		
	Owner_Password	Owner Account Password	Vchar(255)	Xxxxxxxxxx	Y		
	Owner_Images	Owner Account Image	Text	Xxxxxxxxxx	Y		
	Owner_Ic_Pic	Owner Identity Card Picture	Text	Xxxxxxxxxx	Y		
	Owner_Nationality	Owner Nationality	Vchar(100)	Xxxxxxxxxx	Y		
	Owner_Race	Owner Race	Vchar(10)	Xxxxxxxxxx	Y		
	Owner_Secu_Pin	Owner Security Pin	Vchar(100)	Xxxxxxxxxx	NULL		
	Owner_Secu_Date	Owner Security Date Given	DateTime	0000-00-00 00:00	NULL		
	Owner_Que1	Owner Security Question 1	Int(10)	0000000000	Y		
	Owner_Ans1	Owner Security Answer 1	Vchar(1000)	Xxxxxxxxxx	Y		
	Owner_Que2	Owner Security Question 2	Int(10)	0000000000	Y		
	Owner_Ans2	Owner Security Answer 2	Vchar(1000)	Xxxxxxxxxx	Y		
	Owner_Que3	Owner Security Question 3	Int(10)	0000000000	Y		
	Owner_Ans3	Owner Security Answer 3	Vchar(1000)	Xxxxxxxxxx	Y		
	Owner_Is_Delete	Owner Is Delete	Int(10)	0000000000			
	Owner_State	Owner State	Int(10)	0000000000	Y		
	Owner_Status	Owner Account Status	Int(10)	0000000000			
	<i>Admin_Id</i>	Admin Identification	Int(10)	0000000000	Y	FK	Admin

Table 3.5.1 Data Dictionary Hostel Booking System - Owner

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Hostel	Hostel_Id	Hostel Identification	Int(10)	0000000000	Y	PK	
	Hostel_Name	Hostel Name	Vchar(100)	Xxxxxxxxxx	Y		
	Hostel_Price	Hostel Price	Int(10)	0000000000	Y		
	Hostel_Ori_Room	Hostel Total Room Available	Int(10)	0000000000	Y		
	Hostel_Tot_Room	Hostel Left Room	Int(10)	0000000000	Y		
	Hostel_Details	Hostel Details	Text	Xxxxxxxxxx	Y		
	Hostel_Image1	Hostel Image 1	Vchar(100)	Xxxxxxxxxx	Y		
	Hostel_Image2	Hostel Image 2	Vchar(100)	Xxxxxxxxxx	Y		
	Hostel_Image3	Hostel Image 3	Vchar(100)	Xxxxxxxxxx	Y		
	Hostel_Image4	Hostel Image 4	Vchar(100)	Xxxxxxxxxx	Y		
	Hostel_Image5	Hostel Image 5	Vchar(100)	Xxxxxxxxxx	Y		
	Hostel_Is_Delete	Hostel Is Delete	Int(10)	0000000000			
	Hostel_Status	Hostel Status	Int(10)	0000000000			
	<i>Category_Id</i>	Category Identification	Int(10)	0000000000	Y	FK	Category
	<i>Owner_Id</i>	Owner Identification	Int(10)	0000000000	Y	FK	Owner

Table 3.5.2 Data Dictionary Hostel Booking System – Hostel

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Student	Student_Id	Student Identification	Int(10)	0000000000	Y		
	Student_Name	Student Name	Vchar(100)	Xxxxxxxxxx	Y		
	Student_Nationality	Student Nationality	Vchar(100)	Xxxxxxxxxx	Y		
	Student_Ic	Student Identity Card	Vchar(20)	Xxxxxxxxxx			
	Student_Passport	Student Passport	Vchar(100)	Xxxxxxxxxx			
	Student_Gender	Student Gender	Vchar(100)	Xxxxxxxxxx	Y		
	Student_Phnu_Num	Student Phone Number	Vchar(20)	Xxxxxxxxxx	Y		
	Student_Course	Student Course	Int(10)	0000000000	Y		
	Student_Offer_Letter	Student Offer Letter	Vchar(100)	Xxxxxxxxxx	Y		
	Student_Profile_Pic	Student Profile	Vchar(100)	Xxxxxxxxxx	Y		
	Student_Address	Student Current Address	Vchar(100)	Xxxxxxxxxx	Y		
	Student_State	Student State	Int(10)	0000000000	Y		
	Student_Postcode	Student Postcode	Int(5)	00000	Y		
	Student_Email	Student Email	Vchar(100)	Xxxxxxxxxx	Y		
	Student_Password	Student Password	Vchar(100)	Xxxxxxxxxx	Y		
	Student_Secu_Pin	Student Security Pin	Vchar(100)	Xxxxxxxxxx	NULL		
	Student_Secu_Date	Student Security Date	Date/Time	0000-00-00 00:00	NULL		
	Student_Is_Delete	Student Is Delete	Int(10)	0000000000			
	Student_Status	Student Status	Int(10)	0000000000			
	Student_Que1	Student Security Question 1	Int(10)	0000000000	Y		
	Student_Ans1	Student Security Answer 1	Vchar(1000)	Xxxxxxxxxx	Y		
	Student_Que2	Student Security Question 2	Int(10)	0000000000	Y		
	Student_Ans2	Student Security Answer 2	Vchar(1000)	Xxxxxxxxxx	Y		
	Student_Que3	Student Security Question 3	Int(10)	0000000000	Y		
	Student_Ans3	Student Security Answer 3	Vchar(1000)	Xxxxxxxxxx	Y		
	<i>Admin_id</i>	Admin Identification	Int(100)	0000000000	Y	FK	Admin

Table 3.5.3 Data Dictionary Hostel Booking System – Student

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Admin	Admin_Id	Admin Identification	Int(10)	0000000000	Y	PK	
	Admin_Name	Admin Name	Vchar(100)	Xxxxxxxxxx	Y		
	Admin_Email	Admin Email	Vchar(100)	Xxxxxxxxxx	Y		
	Admin_Password	Admin Password	Vchar(100)	Xxxxxxxxxx	Y		
	Admin_Picture	Admin Profile Picture	Vchar(100)	Xxxxxxxxxx	Y		
	Admin_Contact	Admin Contact Number	Vchar(20)	Xxxxxxxxxx	Y		
	Admin_Gender	Admin Gender	Vchar(100)	Xxxxxxxxxx	Y		
	Admin_Type	Admin Position Type	Vchar(100)	Xxxxxxxxxx	Y		
	Admin_Is_Delete	Admin Is Delete	Int(10)	0000000000			
	Admin_Del	SuperAdmin Delete	Int(10)	Xxxxxxxxxx			

Table 3.5.4 Data Dictionary Hostel Booking System – Admin

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Category	Category_Id	Category_Identification	Int(10)	0000000000	Y	PK	
	Category_Hostel	Hostel's Category	Vchar(255)	Xxxxxxxxxx	Y		

Table 3.5.5 Data Dictionary Hostel Booking System – Category

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Coupon	Coupon_Id	Coupon Identification	Int(11)	0000000000	Y	PK	
	Coupon_Title	Coupon Title	Vchar(255)	Xxxxxxxxxx	Y		
	Coupon_Discount	Coupon Discount	Vchar(11)	Xxxxxxxxxx	Y		
	Coupon_Code	Coupon Code	Vchar(255)	Xxxxxxxxxx	Y		
	Coupon_Limit	Coupon Limit for Student	Int(11)	0000000000	Y		
	Coupon_Used	Number of Student Used	Int(11)	0000000000	Y		
	Coupon_Is_Delete	Coupon Is Delete	Int(10)	0000000000			
	<i>Voucher_Id</i>	Voucher Identification	Vchar(255)	Xxxxxxxxxx	Y	FK	voucher
	<i>Admin_Id</i>	Admin Identification	Int(11)	0000000000	Y	FK	Admin

Table 3.5.6 Data Dictionary Hostel Booking System – Coupon

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Rating	Rating_Id	Rating Identification	Int(11)	0000000000	Y	PK	
	Rating_of_Hostel	Rating of Student Given	Int(10)	0000000000			
	Booking_Id	Booking Identification	Int(10)	0000000000	Y	FK	Booking
	<i>Hostel_Id</i>	Hostel Identification	Int(10)	0000000000	Y	FK	Hostel

Table 3.5.7 Data Dictionary Hostel Booking System – Rating

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Appointment	Appointment_Id	Appointment Identification	Int(10)	0000000000	Y	PK	
	Appointment_Date	Appointment Date	Vchar(100)	Xxxxxxxxxx	Y		
	Appointment_Time	Appointment Time	Vchar(100)	Xxxxxxxxxx	Y		
	Appointment_Message	Appointment Message	Vchar(100)	Xxxxxxxxxx	Y		
	Appointment_Approve	Appointment Approve	Int(10)	0000000000	Y		
	Appointment_Status	Appointment Status	Int(10)	0000000000	Y		
	Appointment_Is_Delete	Appointment Is Delete	Int(10)	0000000000	Y		
	Appointment_Key_Status	Owner Pass Key Status	Int(10)	0000000000	Y		
	<i>Hostel_Id</i>	Hostel Identification	Int(10)	0000000000	Y	FK	Hostel
	<i>Student_Id</i>	Student Identification	Int(10)	0000000000	Y	FK	Student

Table 3.5.8 Data Dictionary Hostel Booking System – Appointment

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Payment	Payment_Id	Payment Identification	Int(10)	0000000000	Y	PK	
	Payment_Bank	Bank of Holder Person Used	Vchar(100)	Xxxxxxxxxx	Y		
	Payment_Holder_Name	Holder's Name	Vchar(100)	Xxxxxxxxxx	Y		
	Payment_Card_Number	Holder's Card Number	Vchar(100)	Xxxxxxxxxx	Y		
	Payment_Card_Type	Holder's Card Type	Vchar(100)	Xxxxxxxxxx	Y		
	Payment_CVV	Holder's CVV	Int(3)	000	Y		
	Payment_Expire_Date	Holder's Card Expire Date	Vchar(10)	Xxxxxxxxxx	Y		
	Payment_Price	Total Price	Vchar(100)	Xxxxxxxxxx	Y		
	Payment_Date	Payment Date	Vchar(100)	Xxxxxxxxxx	Y		
	Payment_Move_In	Move In Date	Date	0000-00-00	Y		
	Payment_Duration	Duration of Stay	Vchar(100)	Xxxxxxxxxx	Y		
	<i>Booking_Id</i>	Booking Identification	Int(10)	0000000000	Y	FK	Booking
	<i>Voucher_Id</i>	Voucher Identification	Int(10)	0000000000	Y	FK	Voucher

Table 3.5.9 Data Dictionary Hostel Booking System – Payment

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Voucher	Voucher_Id	Voucher Identification	Int(10)	0000000000	Y	PK	
	Voucher_Is_Use	Voucher Used by Student Record	Int(10)	0000000000	Y		
	<i>Student_Id</i>	Student Identification	Int(10)	0000000000	Y	FK	Student

Table 3.5.10 Data Dictionary Hostel Booking System – Voucher

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Booking	Booking_Id	Booking Identification	Int(10)	0000000000	Y	PK	
	Booking_Tot_Room	Booking Total Room Rented	Int(10)	0000000000	Y		
	Booking_Date	Booking Date	Date	00-00-0000	Y		
	Booking_Status	Booking Status	Vchar(100)	Xxxxxxxxxx	Y		
	Booking_Hos_Is_Delete	Hostel Is Delete	Int(10)	0000000000			
	<i>Hostel_Id</i>	Hostel identification	Int(10)	0000000000	Y	FK	Hostel
	<i>Student_Id</i>	Student Identification	Int(10)	0000000000		FK	Student

Table 3.5.11 Data Dictionary Hostel Booking System – Booking

Table Name	Attribute Name	Content	Type	Format	Required	PK or FK	PK reference Table
Favourite	Favourite_Id	Favourite Identification	Int(10)	0000000000	Y	PK	
	Favourite_Hos_Is_Delete	Hostel Is Delete	Int(10)	0000000000	Y		
	<i>Hostel_Id</i>	Hostel identification	Int(10)	0000000000	Y	FK	Hostel
	<i>Student_Id</i>	Student Identification	Int(10)	0000000000	Y	FK	Student

Table 3.5.12 Data Dictionary Hostel Booking System – Favourite

Part IV:

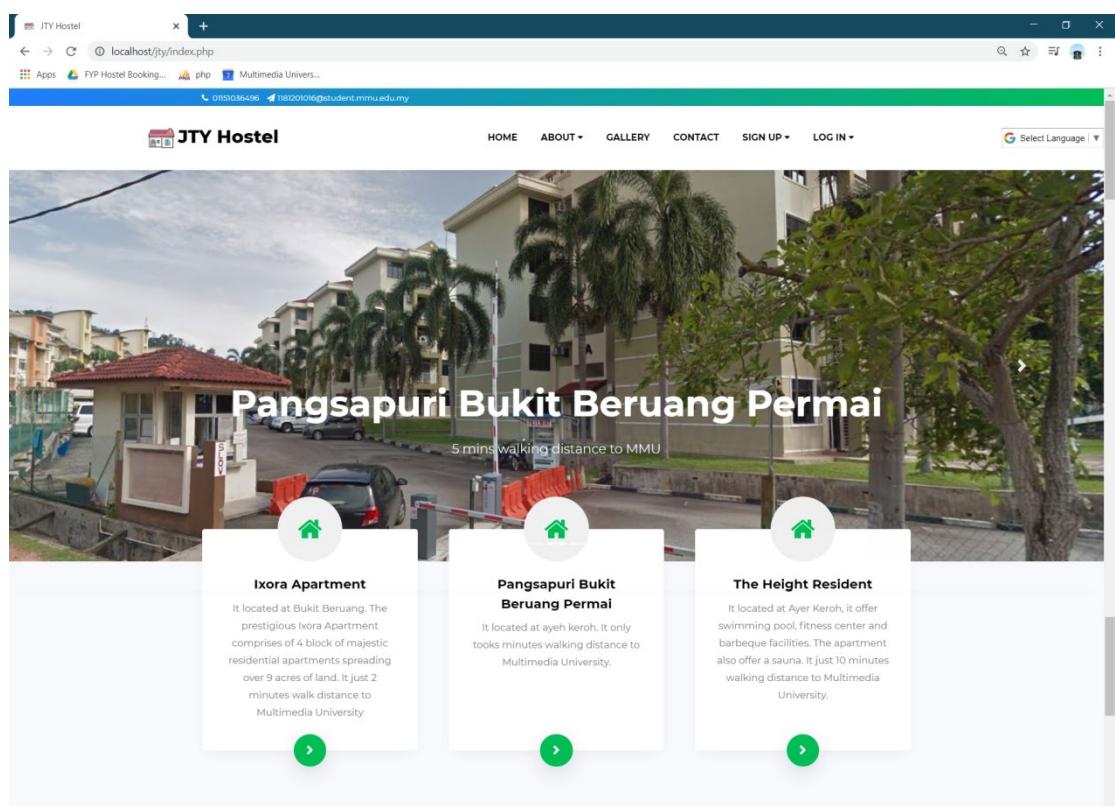
System Previews

4.1 Customer/Member Module



Figure 4.1.1 Translate

User may use this translate button to translate our website.



Why Choose Us?



Easy to Search

User can compare different hostel, price, location and the cleanliness from our webpage and find the



Customer Services

We provide good services to our user. We use to help owner to rent their hostel and provide student a better assurance.

hostel that you prefer easily.

Ensure User Safety

We make sure all the data that upload are been protected and with the correct information.

Bring Convenience

By using our system user can directly book their satisfied house anytime, anywhere.

Hostel Gallery

Figure 4.1.2 Index Page

User can view how many hostel owner, students and product in our website by using the green navigation bar in center. Furthermore, we also show user those clients feedback and some of the image of our hostel.

The screenshot shows a web browser window with the URL localhost/jty/aboutus.php#aboutus. The page title is "About Us". The header includes the logo "JTY Hostel" and a navigation menu with links: HOME, ABOUT, GALLERY, CONTACT, SIGN UP, and LOG IN. A "Select Language" dropdown is also present. The main content area has a large background image of a modern, curved building under a blue sky. The section titled "Who are we?" contains text about three group members: Yap Jun Hi, Tan Xin Hui, and Tan Jun Zhi, each with a small profile picture and their email addresses. Below this, a green navigation bar displays statistics: 2 Owners, 6 Students, and 9 Products. The "What we provide to our user" section contains text about the webpage's purpose and a graphic of two people with question and checkmark icons above them. The "Frequently Asked Questions" section lists two questions: "How Do I Pay For The Hostel?" and "What Can't I Bring To The Hostel?", each with a corresponding answer below it. To the right of the FAQ section is a colorful illustration of a person running towards a goal.

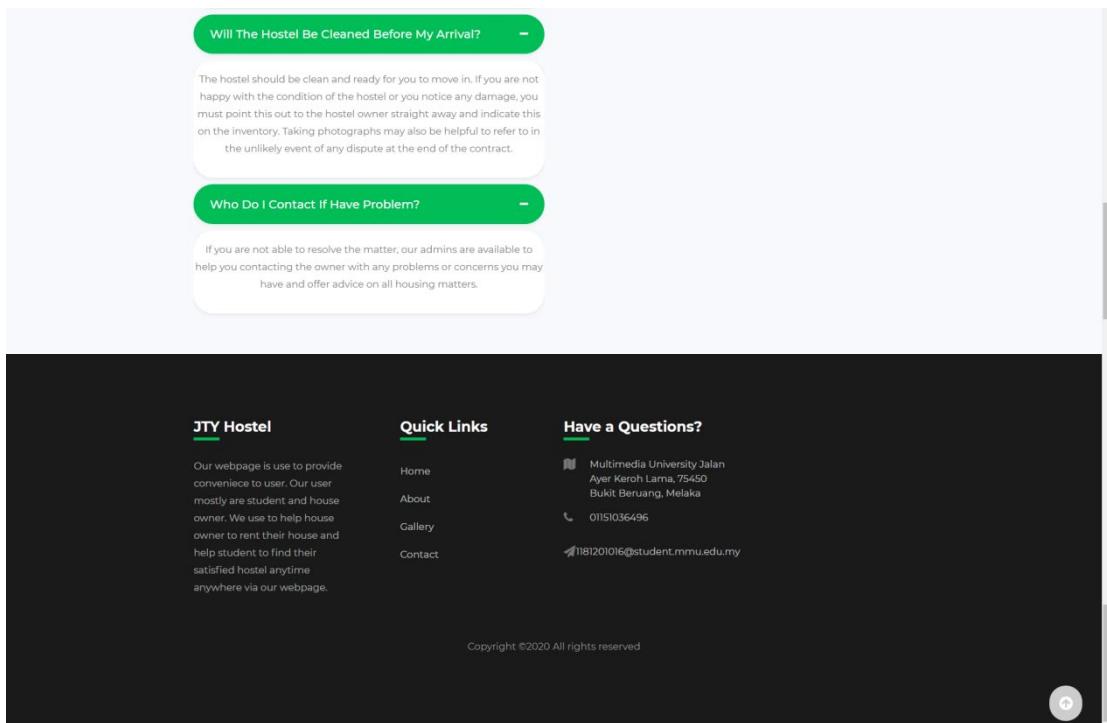


Figure 4.1.3 About Page

This is the about page. In the about page we answer frequently question which as by student and some of our details.

Contact Us

localhost/jty/contact.php

Apps FYP Hostel Booking... php Multimedia Univers...

01151036496 1181201016@student.mmu.edu.my

JTY Hostel

HOME ABOUT GALLERY CONTACT SIGN UP LOG IN Select Language

Contact

CONTACT US

Home Contact

Contact

Address: Jalan Ayer Keroh Lama, 75450
Bukit Beruang, Melaka

Phone: 011 5103 6496

Email: 1181201016@student.mmu.edu.my www.facebook.com/groups/862433324274703/

Website

Inquiry Us

FULL NAME

EMAIL ADDRESS

NAME

EMAIL

SUBJECT

Subject

MESSAGE

Message

SEND MESSAGE

Pangsguri Bukit Beruang Murni

Pangsguri Bukit Beruang Utama

Dima

The Heights Residence

Homestay Melaka

MMU Melaka Student Representative Centre

Multimedia University

Faculty Of Information Science & Technology

PETRONAS Bukit Beruang

Oldtown White Coffee

Restaurant Slow

Skynet Worldwide

Wakanabe Enterprise

Restaurant Lucky Palace

Restoran Baru Lee Sdn

Bukit beruang hill Air Keroh Entrance

Kiland M. Mamee Si

Softinn Solutions Sdn. Bhd.

Bpntrol

Kotak Malay (KOM) Sdn. B

Restaurant Siam

Sheh

Mam Deck

Jln Setia Kesh 1

Jalan Seri Dutta 4

Jalan Muzaffar Shop

Restoran Baru Lee Sdn

Shen

Mam Deck

Map showing the location of JTY Hostel and surrounding landmarks in Melaka, Malaysia.

JTY Hostel

Our webpage is used to provide convenience to user. Our user mostly are student and house owner. We use to help house owner to rent their house and help student to find their satisfied hostel anytime anywhere via our webpage.

Quick Links

- Home
- About
- Gallery
- Contact

Have a Questions?

- Multimedia University Jalan Ayer Keroh Lama, 75450
Bukit Beruang, Melaka
- 01151036496
- 1181201016@student.mmu.edu.my

Copyright ©2020 All rights reserved

Figure 4.1.4 Contact Us Page

User can use this page to contact admin if they have any question.

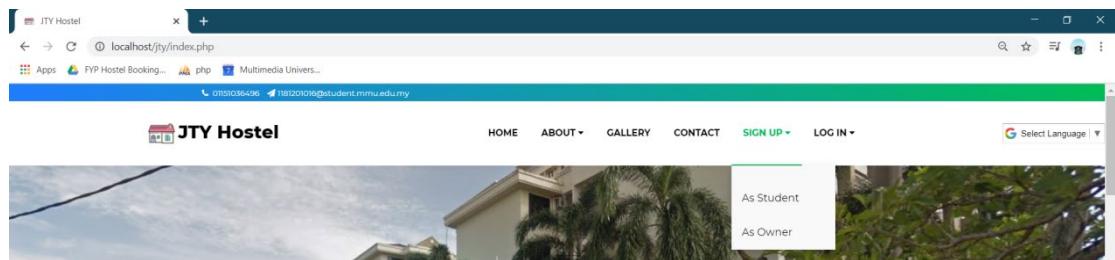


Figure 4.1.5 Sign Up

Student and owner may sign up our website by using this drop down.

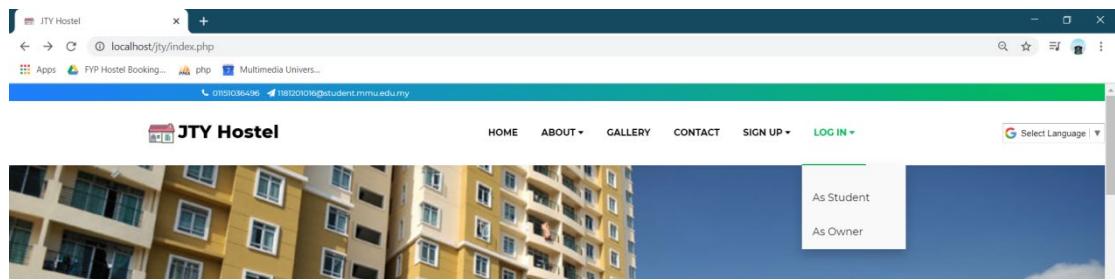


Figure 4.1.6 Log In

Student and owner may login to our website by using this drop down.

The screenshot shows a web browser window for 'JTY Hostel' with a registration form titled 'Account Registration'. The form fields include:

- Name (text input)
- Gender (radio buttons: Male, Female, selected: Male)
- Nationality (radio buttons: Malaysian, Non-Malaysian, selected: Malaysian)
- Identity Card (text input)
- Phone Number (text input)
- Student Course (dropdown menu: Select Course)
- Profile Picture (file input: Choose File, No file chosen)
- Offer Letter (file input: Choose File, No file chosen)
- Current Address (text input)
- State (dropdown menu: State)
- Postcode (text input)
- Email address (text input)
- New Password (text input) with a note: '(At least 8 characters, including uppercase, lowercase letters, numbers and punctuation mark)'
Show Password checkbox
- Confirm Password (text input)
Show Password checkbox
(Password and confirmation must match)
- Terms and Conditions checkbox: I have read and agree to the Terms & Conditions
- ReCAPTCHA checkbox: I'm not a robot

A green 'SIGN UP' button is at the bottom, and a link 'Already have account? Sign In' is below it.

Figure 4.1.7 Register Page for Malaysian

The screenshot shows a web browser window for a 'Register' page at localhost/jty/stud_register.php. The page title is 'JTY Hostel'. The main content is titled 'Account Registration'. It includes fields for Name, Gender (Male/Female), Nationality (Malaysian/Non-Malaysian, with Non-Malaysian selected), Passport number (C4671098), Phone Number, Student Course (dropdown menu), Profile Picture (choose file), Offer Letter (choose file), Current Address, State (dropdown menu), Postcode, Email address, New Password (with password strength indicator: At least 8 characters, including uppercase, lowercase letters, numbers and punctuation mark), Show Password checkbox, Confirm Password (with password confirmation indicator: Password and confirmation must match), Show Password checkbox, Terms and Conditions checkbox, and a reCAPTCHA checkbox labeled 'I'm not a robot'. A green 'SIGN UP' button is at the bottom, along with a link to 'Already have account? Sign In'.

Figure 4.1.8 Register Page for Non-Malaysian

Before login to our website user have to register first. They can choose whether they are Malaysian or Non-Malaysian. If they are Malaysian they have to fill in Identity Card Number and Identity Card Picture. If they are Non-Malaysian they need to fill in their Passport and Passport picture as their reference.

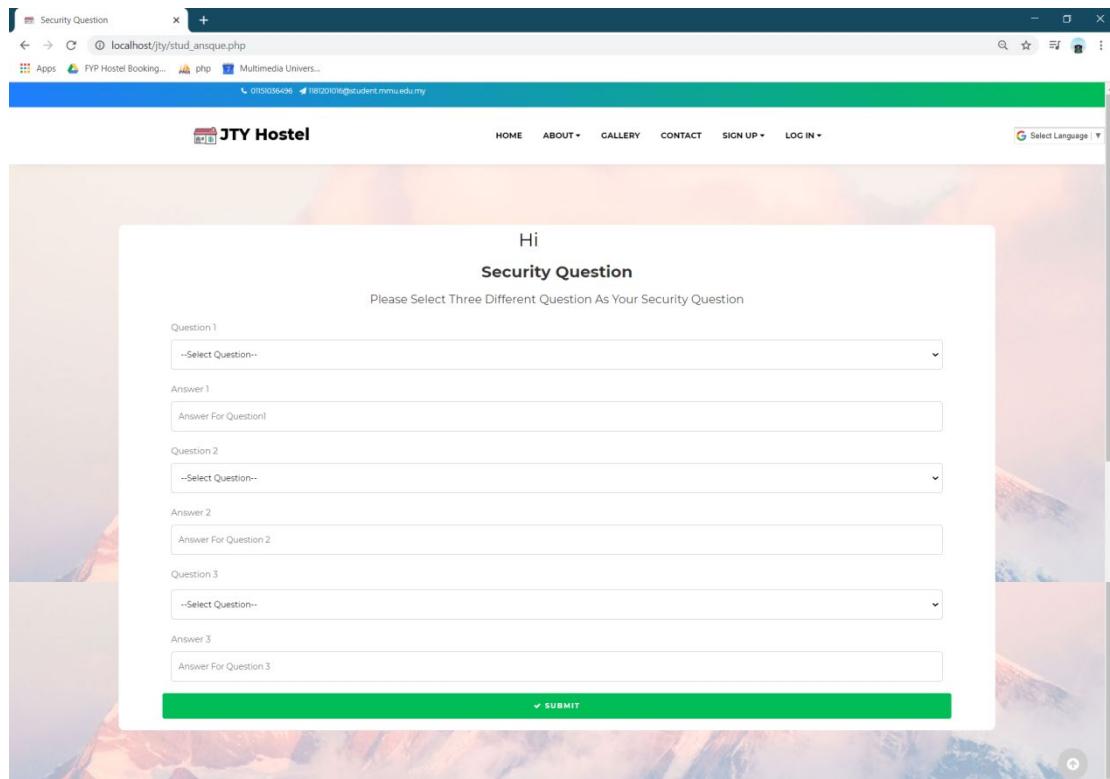


Figure 4.1.9 Security question

After student submit their registration form they will be lead to security question page. They are not allow to choose the same security question. After they submit the security question they will received an email and they need to wait for admin to approve before they can login.

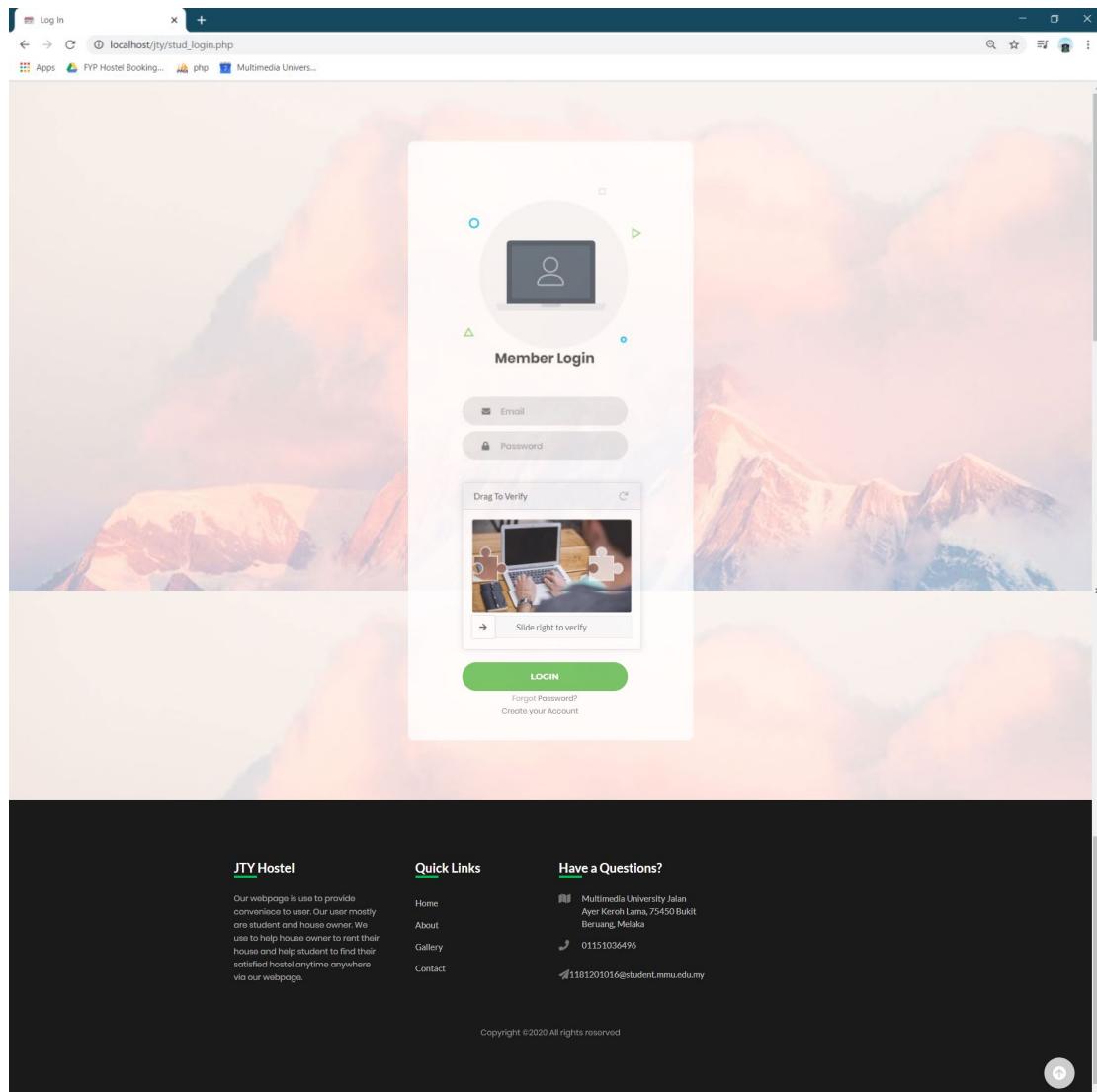


Figure 4.1.10 Login Page

After admin approve their registration they may login to our website by using email and password.

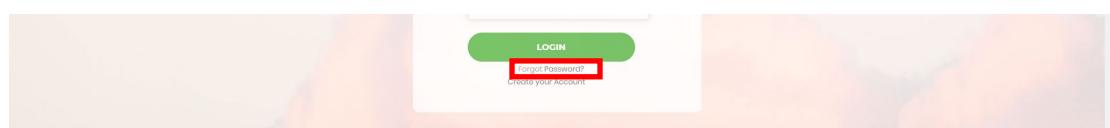


Figure 4.1.11 Forget Password

If student forget their password they may click on the forget password at the bottom of login button.

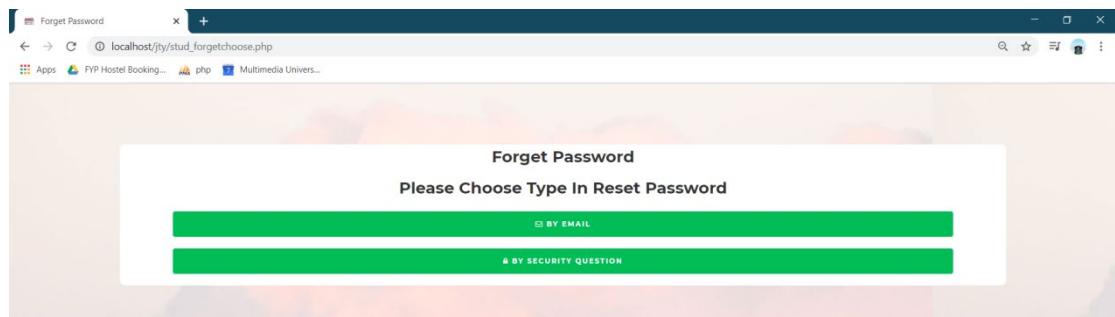


Figure 4.1.12 Forget Password2

Student are be given choice to choose way to reset their password

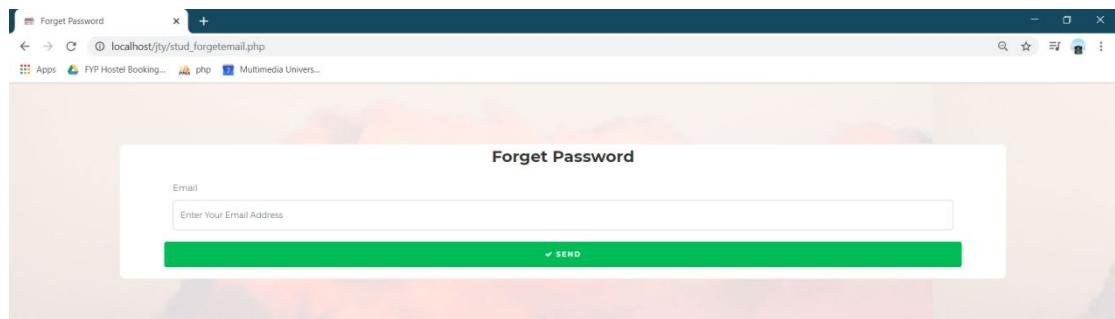


Figure 4.1.13 Forget Password by Email

If student choose to reset password by using ‘By Email’ they will be lead to this page.

They have to enter their email and click on the sent button. So that the security pin will sent to the email and a link will sent to them too.

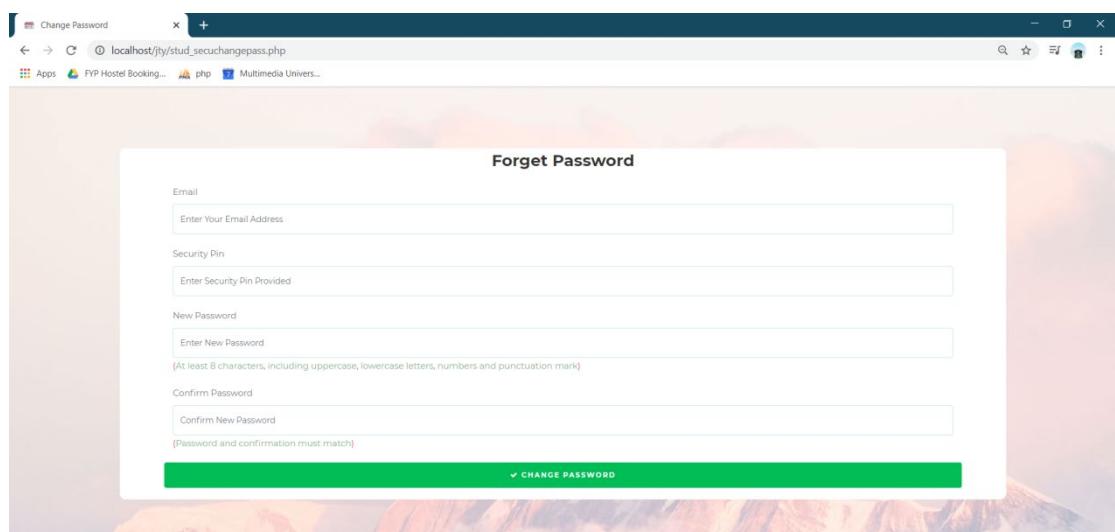
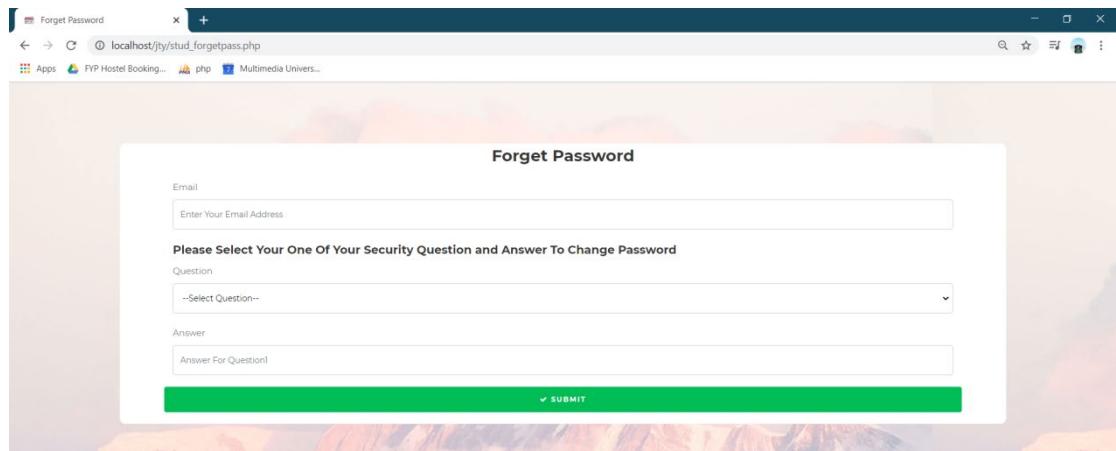


Figure 4.1.14 Forget Password by Email 2

After they receive email they will be lead to this page and they may change their password by using the security pin given.

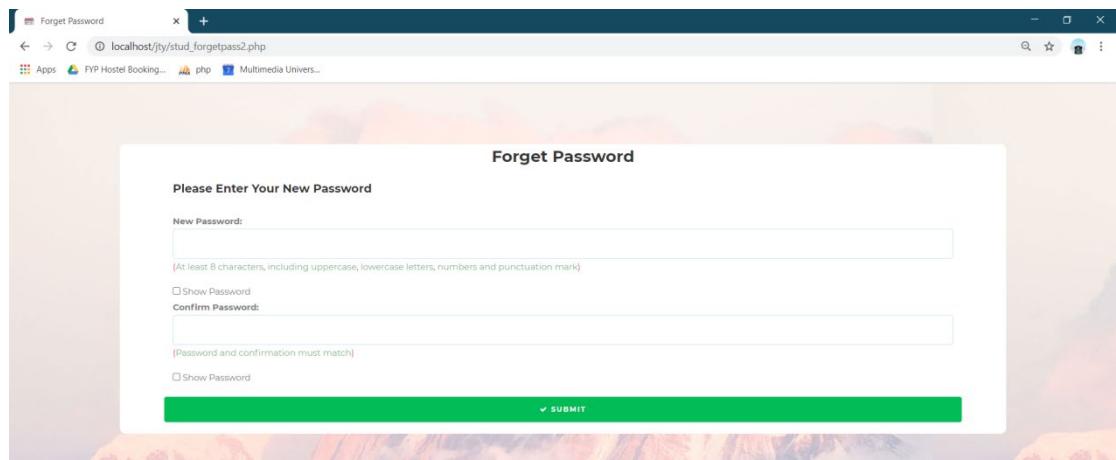


The screenshot shows a web browser window titled 'Forget Password'. The URL in the address bar is 'localhost/jiy/stud_forgetpass.php'. The page has a light blue header with the title 'Forget Password'. Below the header is a form with the following fields:

- Email: A text input field with placeholder text 'Enter Your Email Address'.
- Please Select Your One Of Your Security Question and Answer To Change Password:
 - Question: A dropdown menu with placeholder text '--Select Question--'.
 - Answer: A text input field with placeholder text 'Answer For Question'.
- A green 'SUBMIT' button at the bottom.

Figure 4.1.15 Forget Password by Security Question

When student choose to reset password by security question they will be lead to this page. Student need to fill up their email address and one of the security question.



The screenshot shows a web browser window titled 'Forget Password'. The URL in the address bar is 'localhost/jiy/stud_forgetpass2.php'. The page has a light blue header with the title 'Forget Password'. Below the header is a form with the following fields:

- Please Enter Your New Password:
 - New Password: A text input field with placeholder text '(At least 8 characters, including uppercase, lowercase letters, numbers and punctuation mark)'.
 - Show Password: A checkbox labeled 'Show Password'.
 - Confirm Password: A text input field with placeholder text '(Password and confirmation must match)'.
 - Show Password: A checkbox labeled 'Show Password'.
- A green 'SUBMIT' button at the bottom.

Figure 4.1.16 Forget Password by Security Question 2

When student had fill up correct email, security question and answer they will be lead to this page to reset their password.

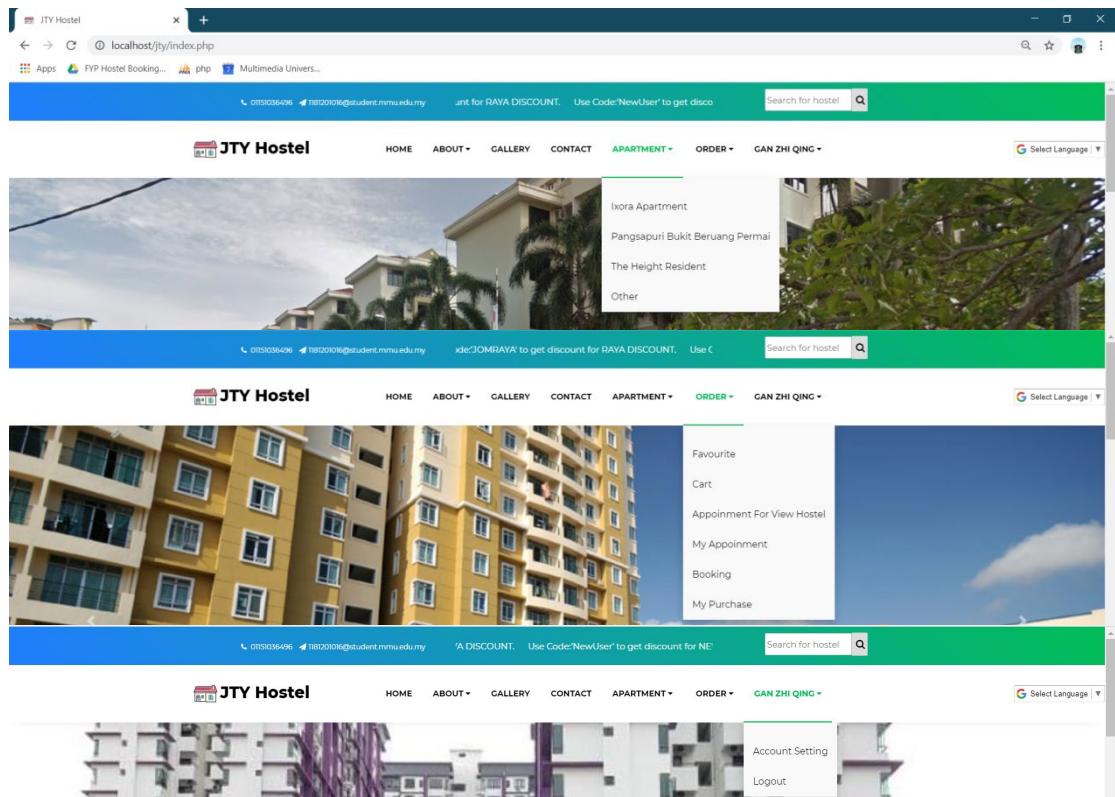


Figure 4.1.17 Navigation Bar

After student login they will see a different navigation bar.

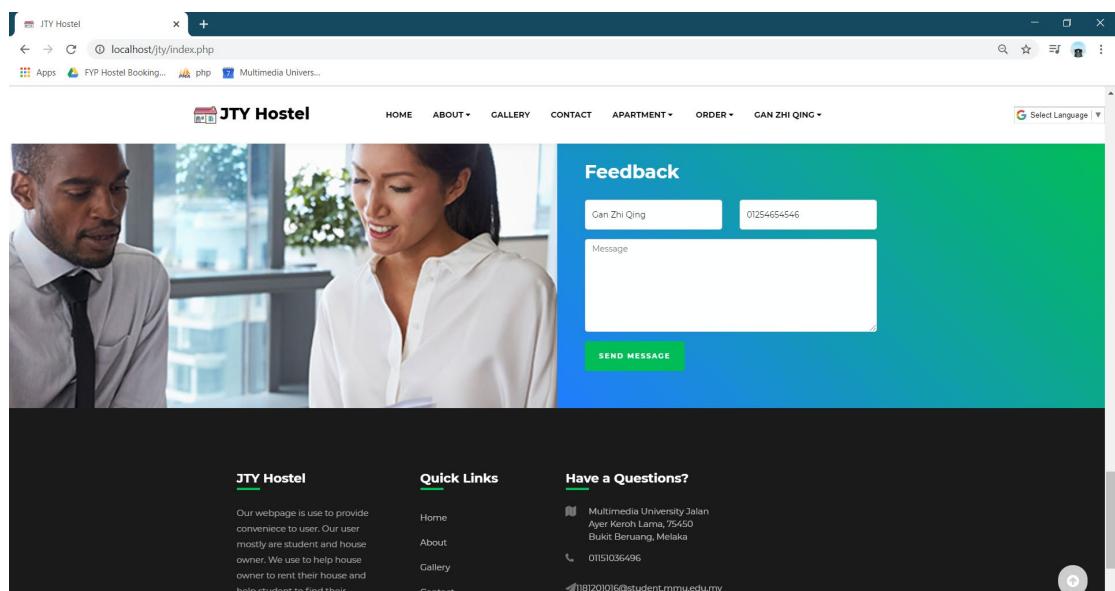


Figure 4.1.18 Feedback

Student who had register as our user are allow to sent us their feedback regarding to how they feel after using our website. Their feedback will be display in our homepage.

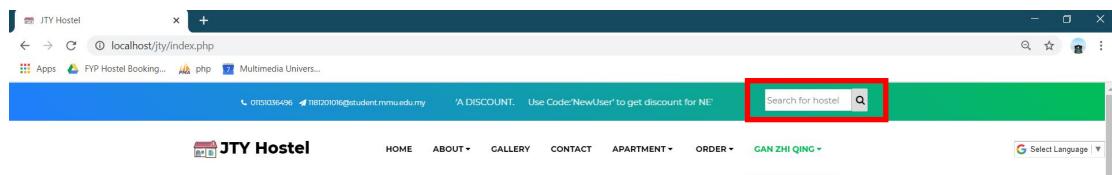


Figure 4.1.19 Search Bar

Student can search hostel name by using this search bar.

A screenshot of the JTY Hostel website showing a search result for 'Pangsapuri Bukit Beruang Permai'. The address bar shows 'localhost/jty/stud_search.php'. The page header and navigation links are identical to the homepage. The main content area features a large image of the same residential complex with the overlay text 'Pangsapuri Bukit Beruang Permai' and '5 mins walking distance to MMU'. Below the image is a sidebar with a list of options: 'Ixora Apartment', 'Pangsapuri Bukit Beruang Permai' (which is highlighted in green), 'The Height Resident', and 'Other'. To the right of the sidebar are three smaller images with labels: 'No 245 Block A Ixora Apartment', 'No 284, Block A Pangsapuri Bukit Beruang Permai', and 'A-10-B The Height Resident'. Each image has a 'VIEW DETAILS' button at the bottom.

The screenshot displays a web-based hostel booking system. At the top, there are three property cards:

- No 62, Bukit Beruang** (Other) - View Details
- Block A No 193** (Pangsapuri Bukit Beruang Permai) - View Details
- Bukit Beruang Utama Apartment** (The Height Resident) - View Details

Below these cards is a large image of two people, a man and a woman, looking at a laptop screen together, suggesting collaboration or customer service.

The main content area features a feedback form titled "Feedback". It includes input fields for "Name" (Gan Zhi Qing), "Phone Number" (0125465456), and a "Message" text area. A green "SEND MESSAGE" button is located at the bottom of the message area.

The footer contains the following information:

- JTY Hostel**: A brief description stating the webpage provides convenience to users, mostly students and house owners, helping them find satisfied hostels.
- Quick Links**: Home, About, Gallery, Contact.
- Have a Questions?**: Address (Multimedia University, Jalan Ayer Keroh Lama, 75450 Bukit Beruang, Melaka), Phone number (0151036496), and Email (1181201016@student.mmu.edu.my).

Copyright ©2020 All rights reserved

Figure 4.1.20 Search Bar2

The screenshot shows a web browser displaying the 'JTY Hostel' website. The page title is 'Types Of Hostel'. On the left, there is a sidebar with a list of categories: Ixora Apartment, Pangsapuri Bukit Beruang Permai, The Height Resident, and Other. Below this, there are three rows of three items each, each featuring a small image, the item name, and a 'VIEW DETAILS' button.

Category	Image	Name	Description
Ixora Apartment		No 245 Block A	Ixora Apartment
Pangsapuri Bukit Beruang Permai		No 284, Block A	Pangsapuri Bukit Beruang Permai
The Height Resident		A-10-B	The Height Resident
Other		VIEW DETAILS	No 93 Block D Other
		VIEW DETAILS	No 62, Bukit Beruang Permai
		VIEW DETAILS	Block A No 193 Pangsapuri Bukit Beruang Permai

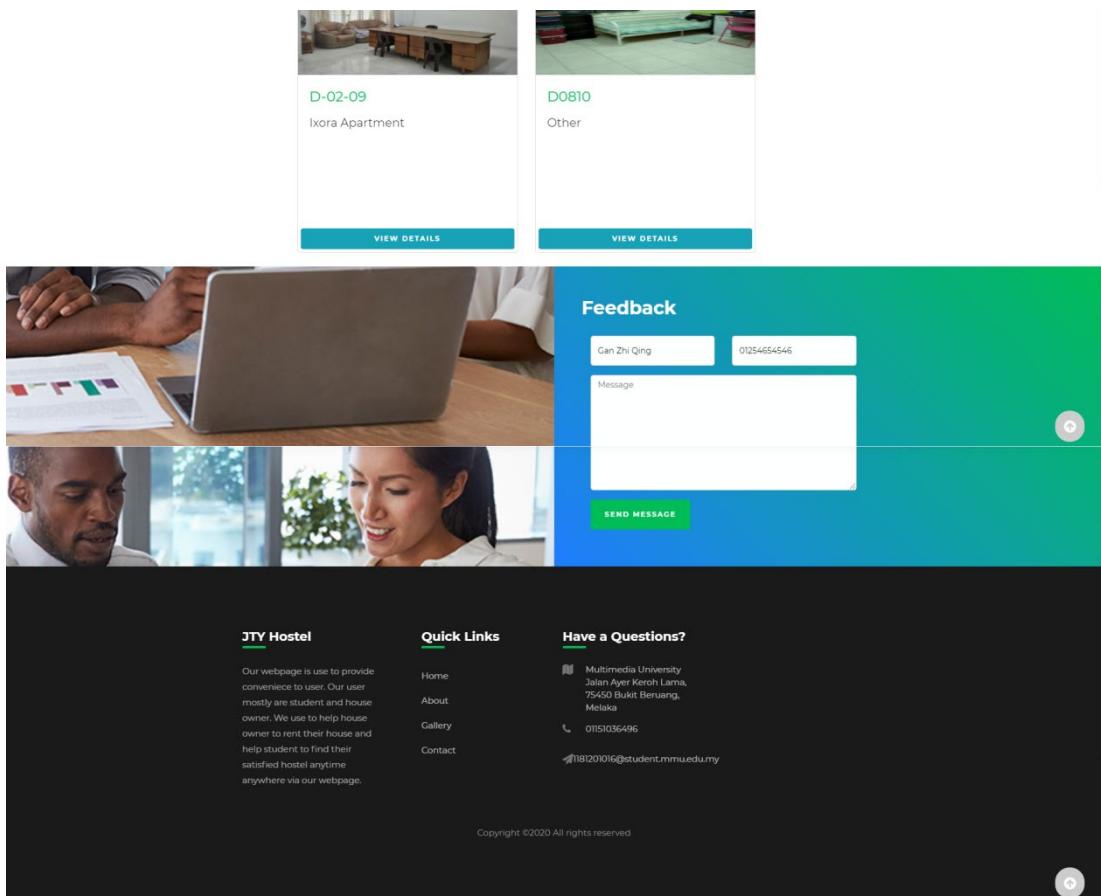


Figure 4.1.21 View All Apartment

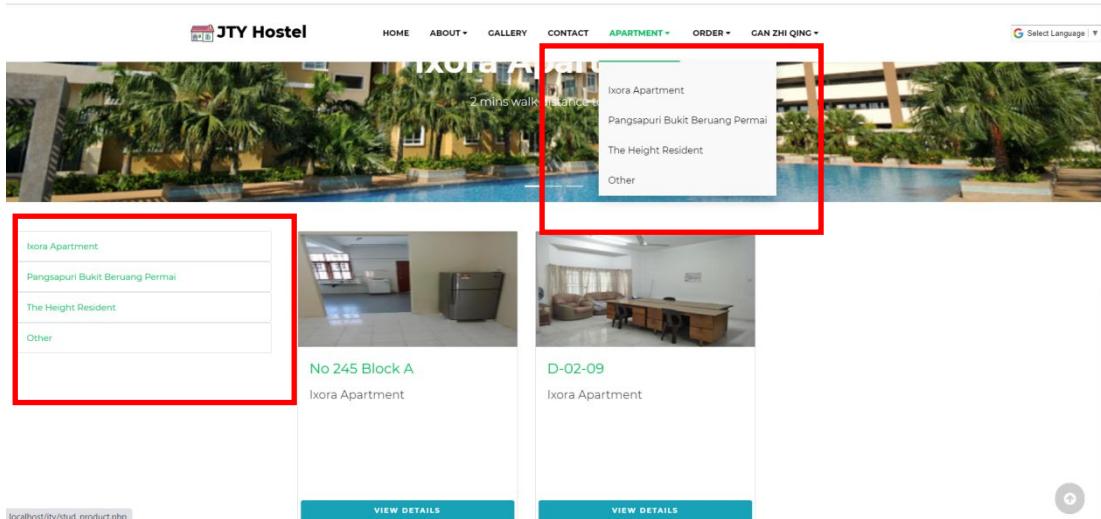


Figure 4.1.22 Filter

Student can use this filter to filter type of category.

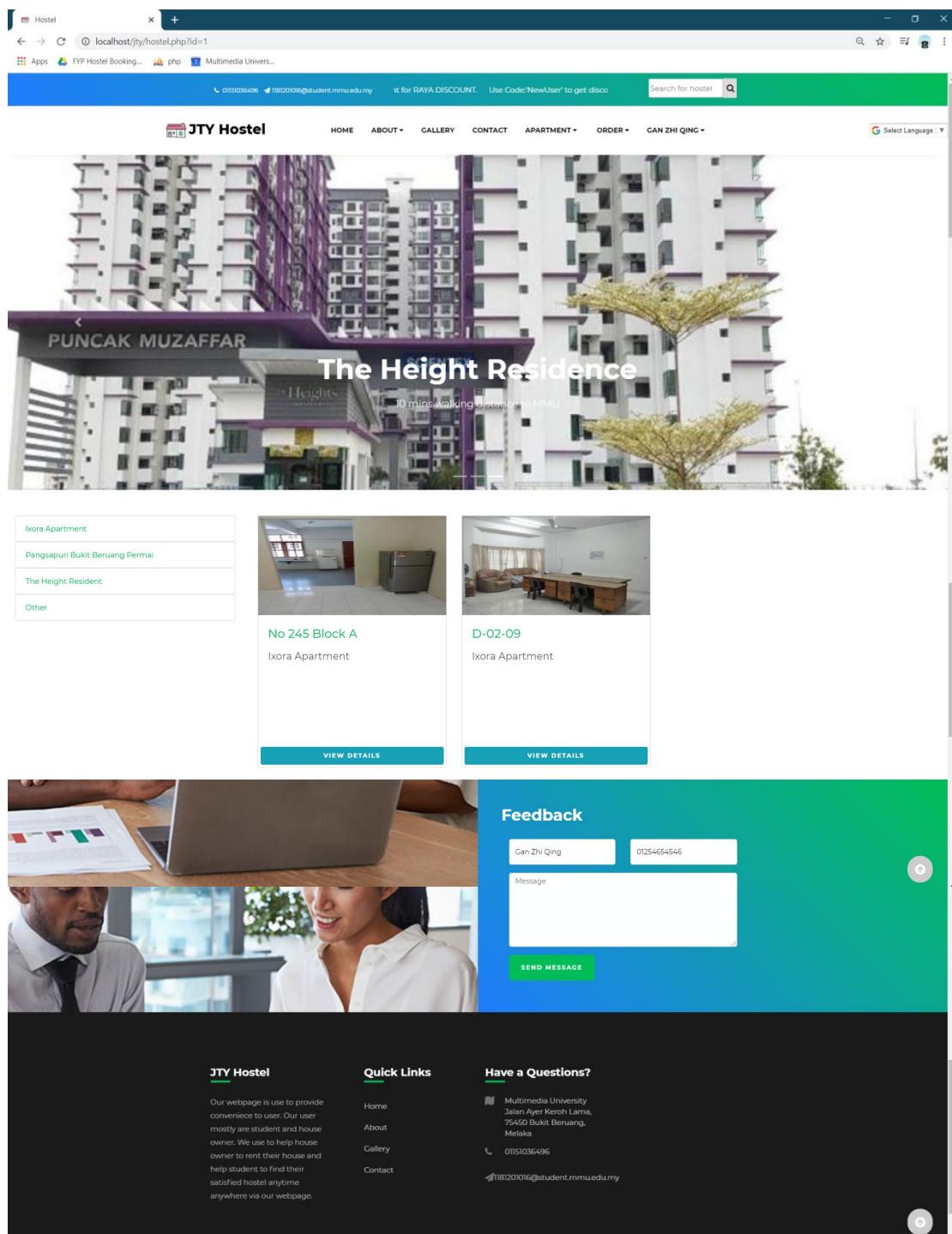


Figure 4.1.23 Filter 2

After selecting from filter it will only show selected category.

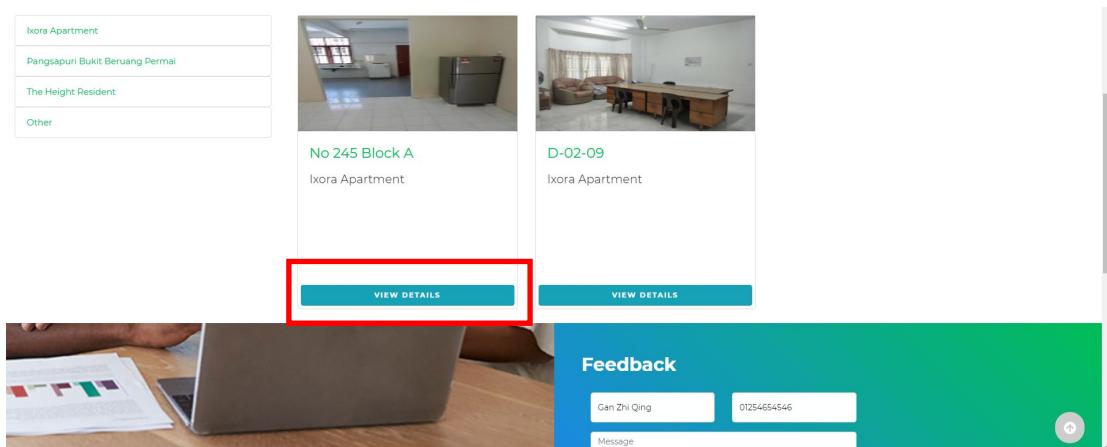


Figure 4.1.24 View Details

Student may click on the view details button to view hostel details.

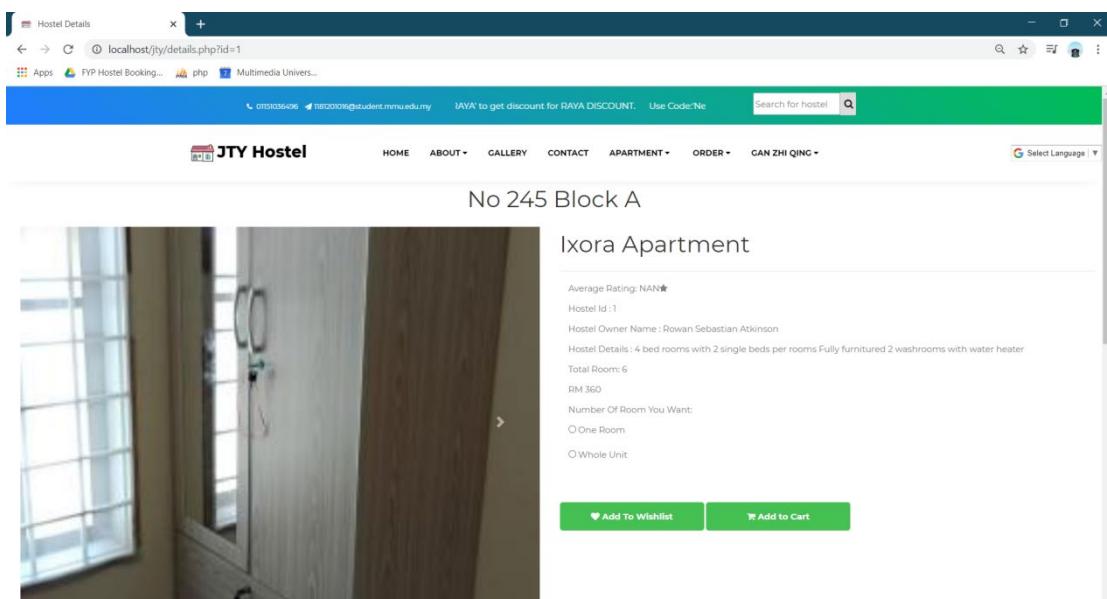


Figure 4.1.25 Hostel Details

Student may either choose to add the hostel into wish list or cart. Student can choose to add one room or whole room into cart.

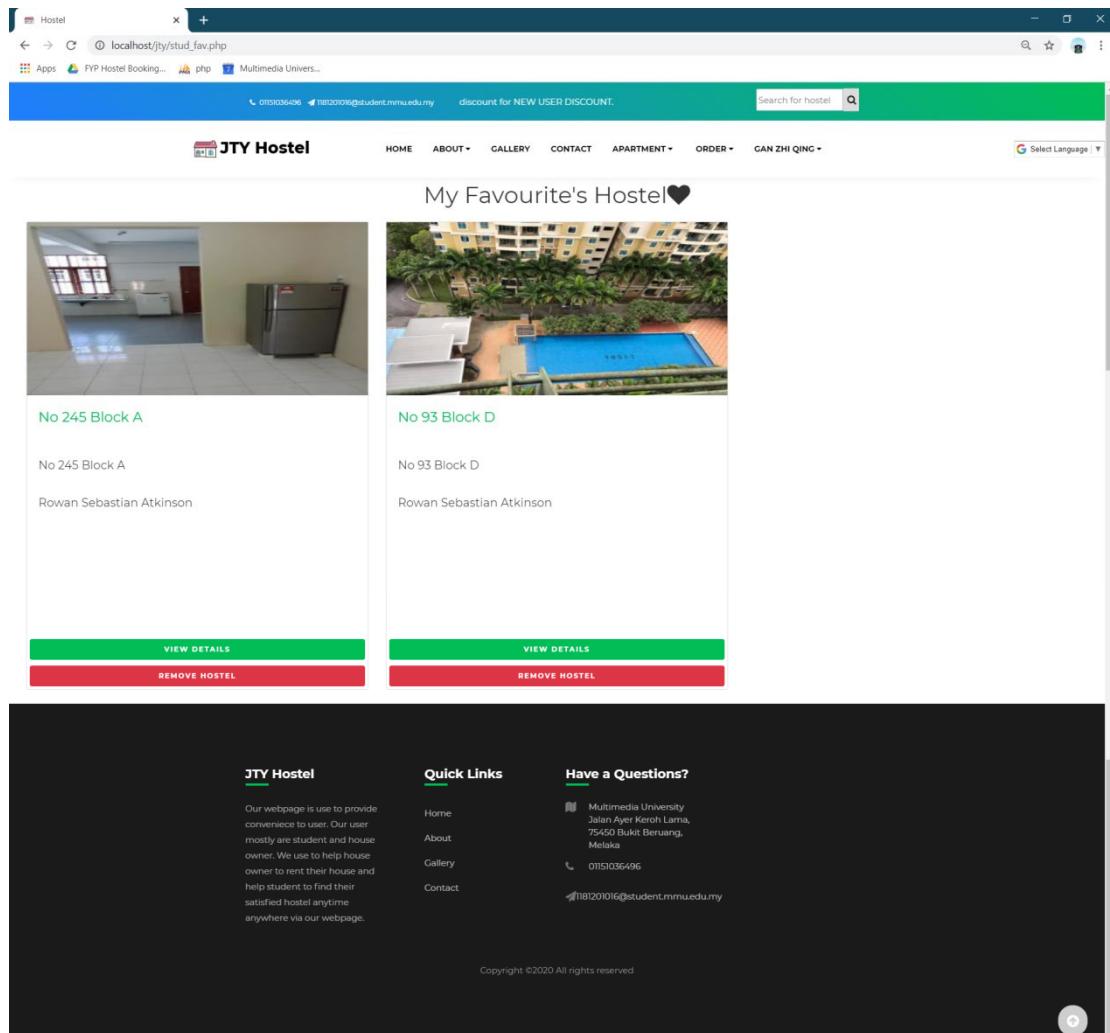


Figure 4.1.26 Favourite List

Hostel which added by student will be shown in favourite. Student can delete the hostel if they do not want that hostel. Beside they can view the details too.

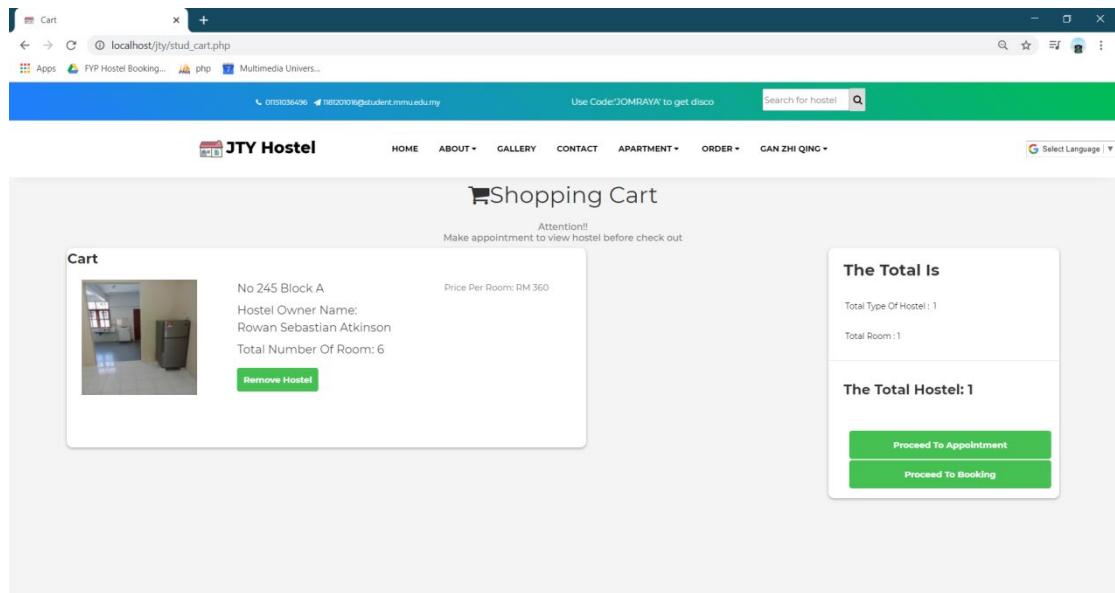


Figure 4.1.27 Shopping Cart

In the shopping cart it will display all hostel which had add by student. Student can make a choice either they want to make an appointment to visit the hostel or not.

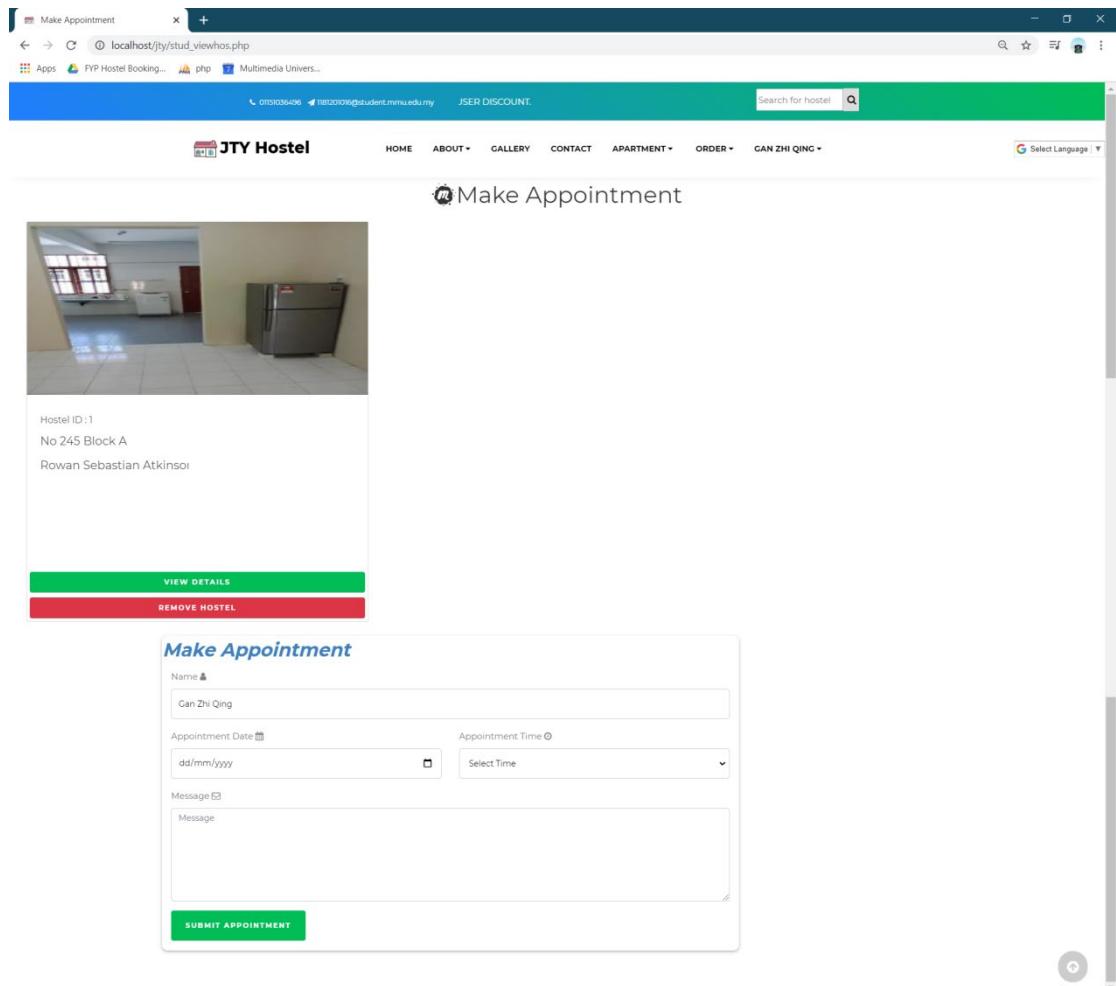


Figure 4.1.28 Make appointment

If student want to make an appointment they will be lead to make appointment page. In this page they can choose the time and date they want to visit the hostel and leave message to our admin.

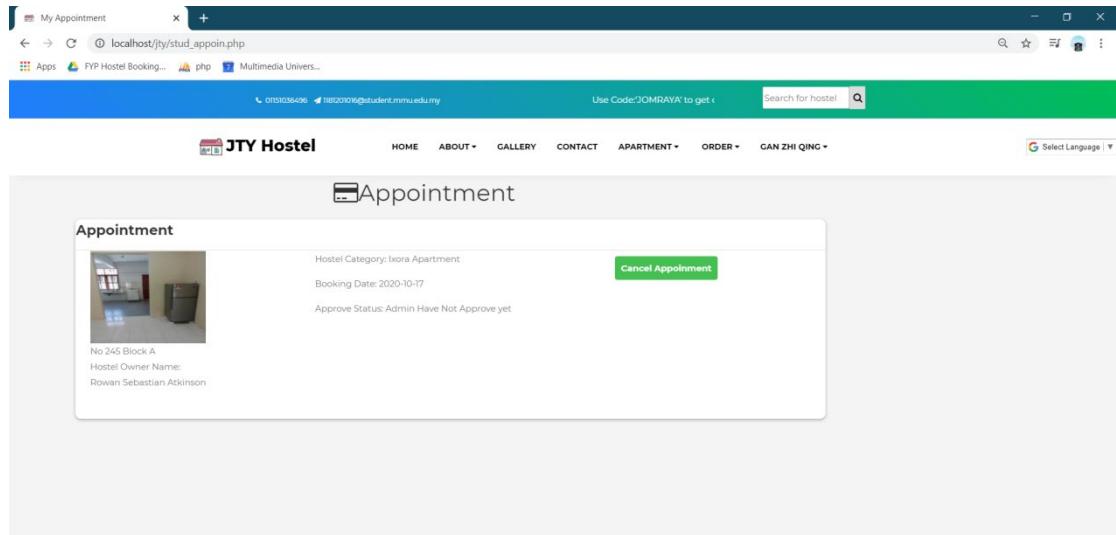


Figure 4.1.29 Appointment

After student had make an appointment they can view their appointment details. Student have to wait for admin to approve their appointment details. They can also cancel the appointment if they want to cancel it.

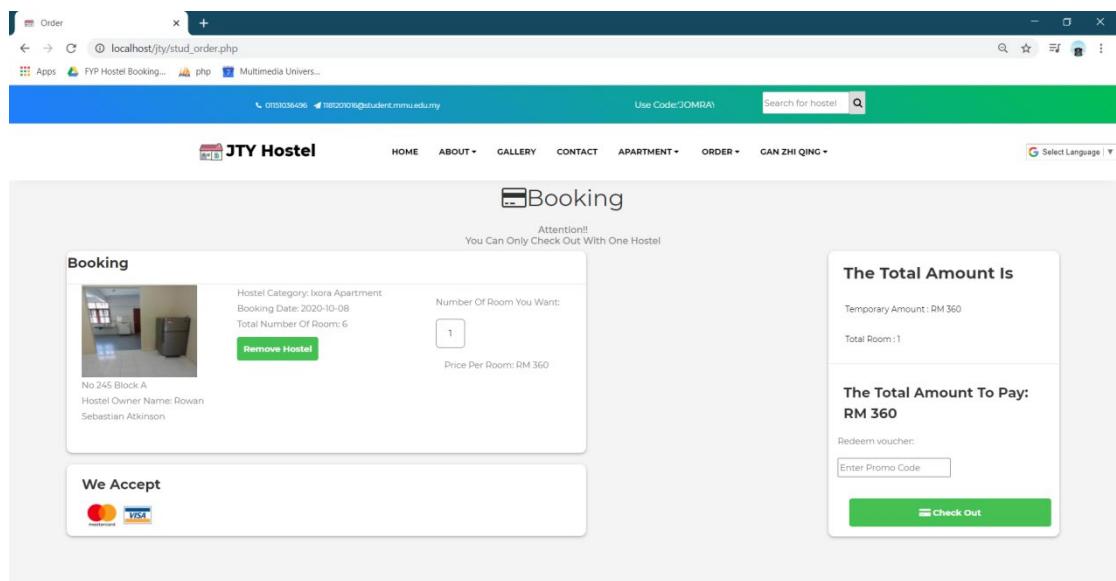


Figure 4.1.30 Booking

After student had visit their hostel they may go to visit to proceed to payment. They can fill up the promo code to get discount if they have any promo code.

The screenshot shows a web browser window titled "Payment" with the URL localhost/jty/stud_payment.php?id=4. The page is for a hostel booking system, specifically for JTY Hostel.

Hostel Information:

- Hostel Name: No 245 Block A
- Hostel Owner Name: Rowan Sebastian Atkinson

Voucher Details:

- Voucher Type: NewUser
- Total Price : 360
- Discount : 5%
- Price after discount : 342

Total Payment: Your Total Payment is RM 342

Payment Form Fields:

- Move In Date: dd/mm/yyyy
- Duration: 1 year
- Card Holder's Name: Gan Zhi Qing
- Card Number: 1234 1234 1234 1234
- Card Type: (dropdown menu)
- CVV: 123
- Expired Month/ Year: October, 2020

Buttons:

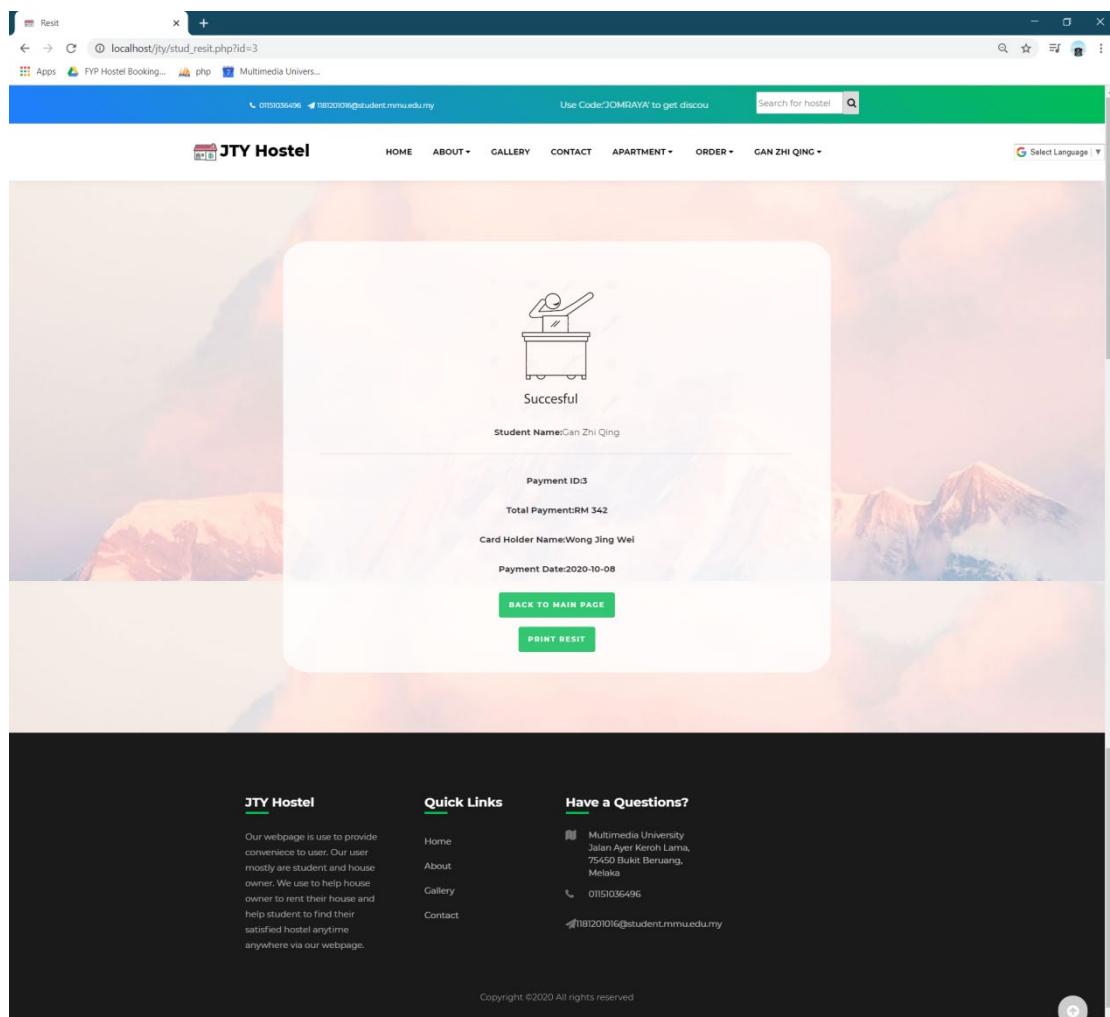
- Payment (green button)

Footer:

- JTY Hostel**: Our webpage is use to provide convenience to user. Our user mostly are student and house owner. We use to help house owner to rent their house and help student to find their satisfied hostel anytime anywhere via our webpage.
- Quick Links**: Home, About, Gallery, Contact
- Have a Questions?**: Multimedia University, Jalan Ayer Keroh Lama, 75450 Bukit Beruang, Melaka, 0151036496, n18120106@student.mmu.edu.my
- Copyright ©2020 All rights reserved

Figure 4.1.31 Payment

If student has fill up the promo code discount given will be show

*Figure 4.1.32 View Receipt*

After student had make payment they can view their receipt student can choose either back to main page or print receipt.

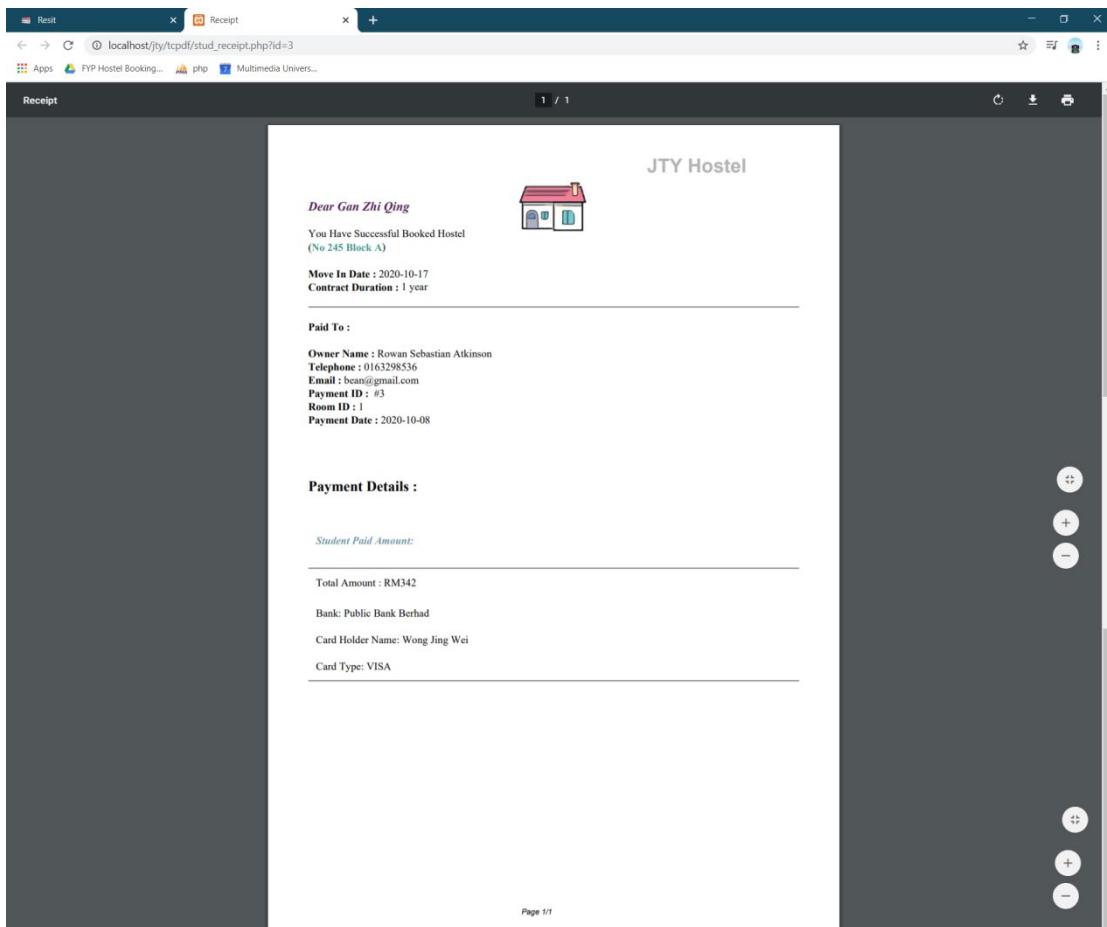


Figure 4.1.33 Print Receipt

When student choose on print receipt a receipt in PDF format will be shown.

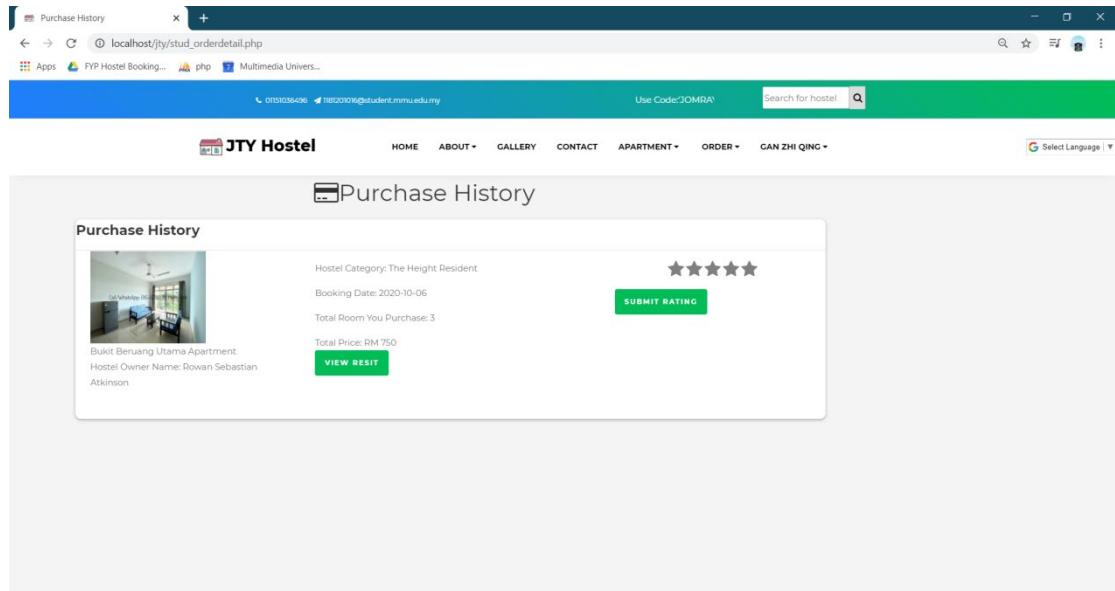


Figure 4.1.34 Purchase History

Student may go to the purchase history page to view the hostel that they had purchase before. Beside they can also make a rating for that hostel.

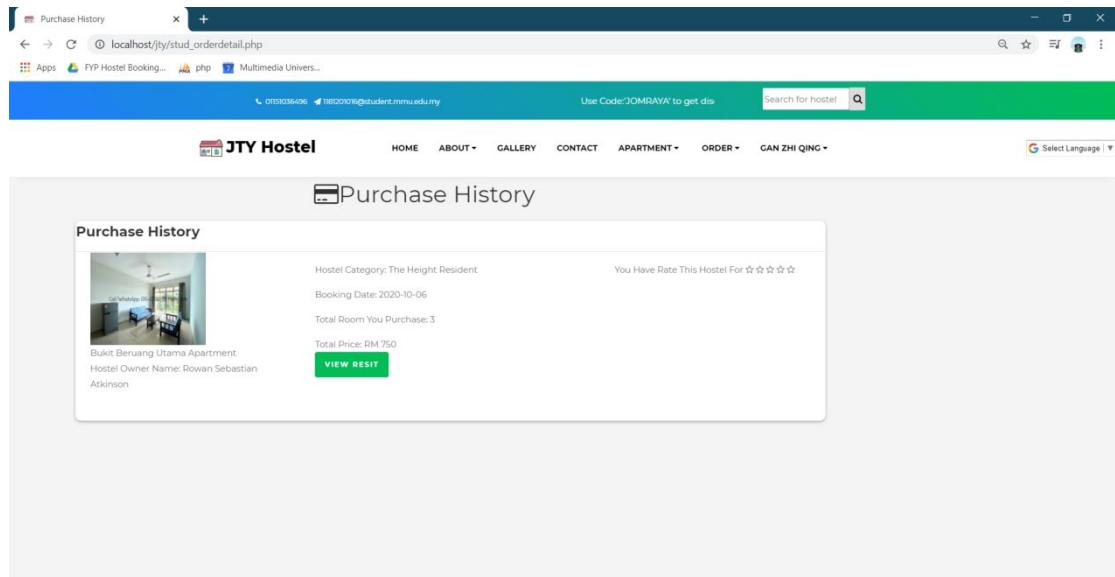


Figure 4.1.35 Rating

After they had made the rating, rating will be save and display.

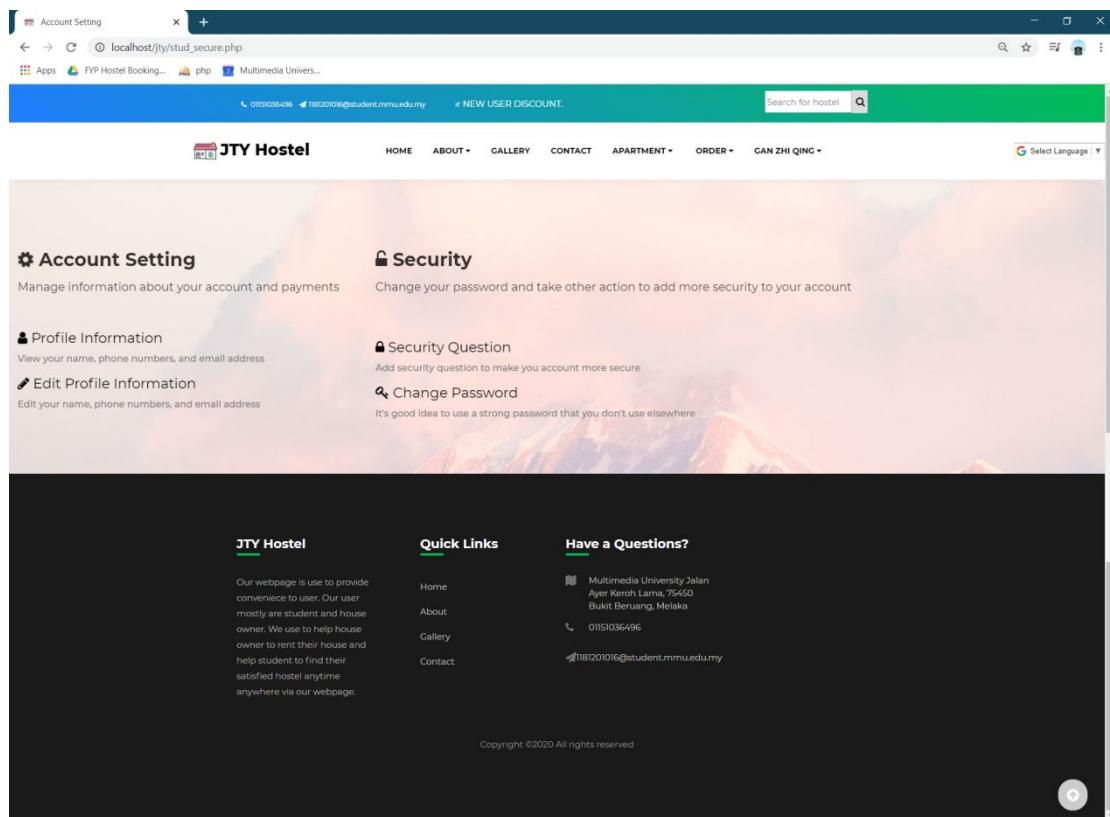


Figure 4.1.36 Account Setting

Student can choose the those function which display in this page

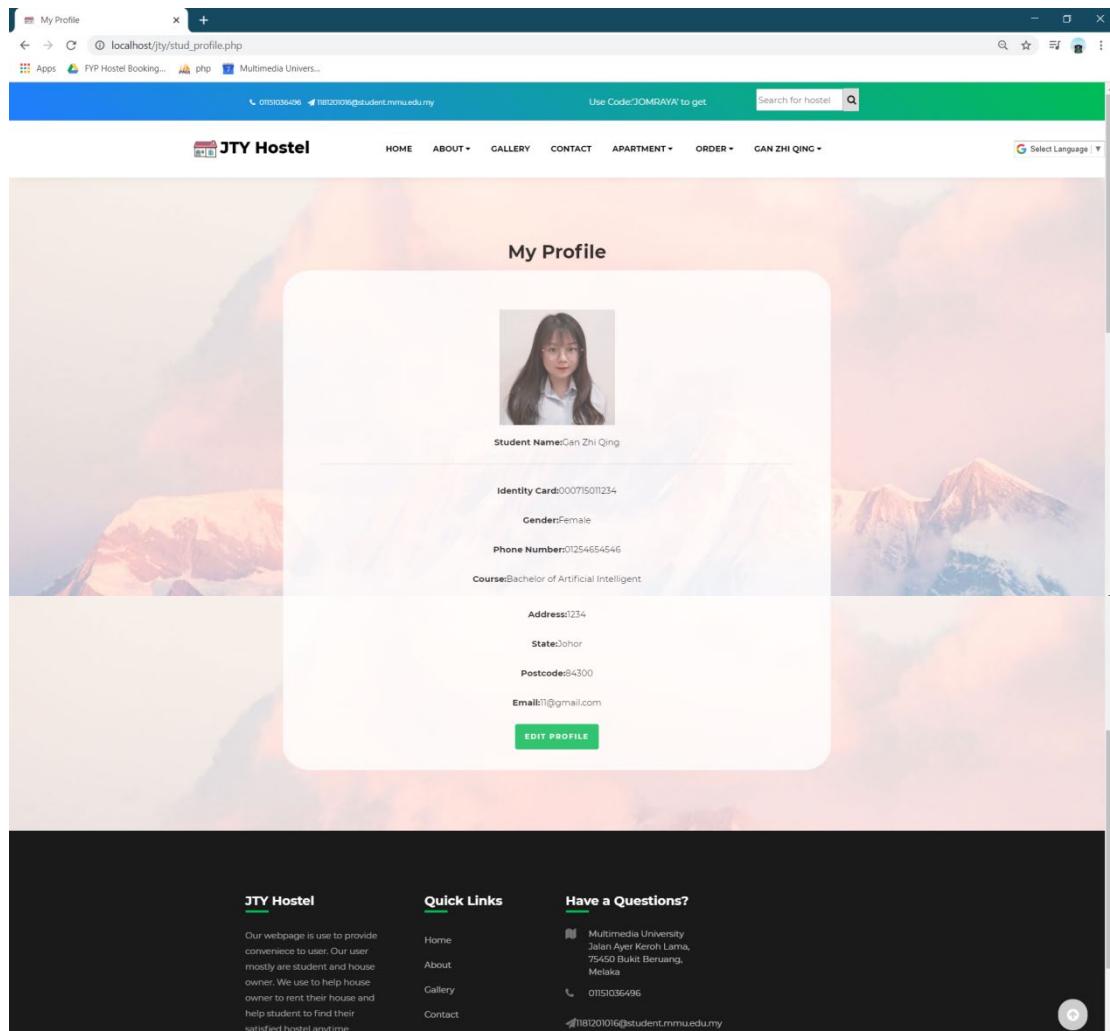


Figure 4.1.37 Profile Information

Student may view their profile by click on the profile information.

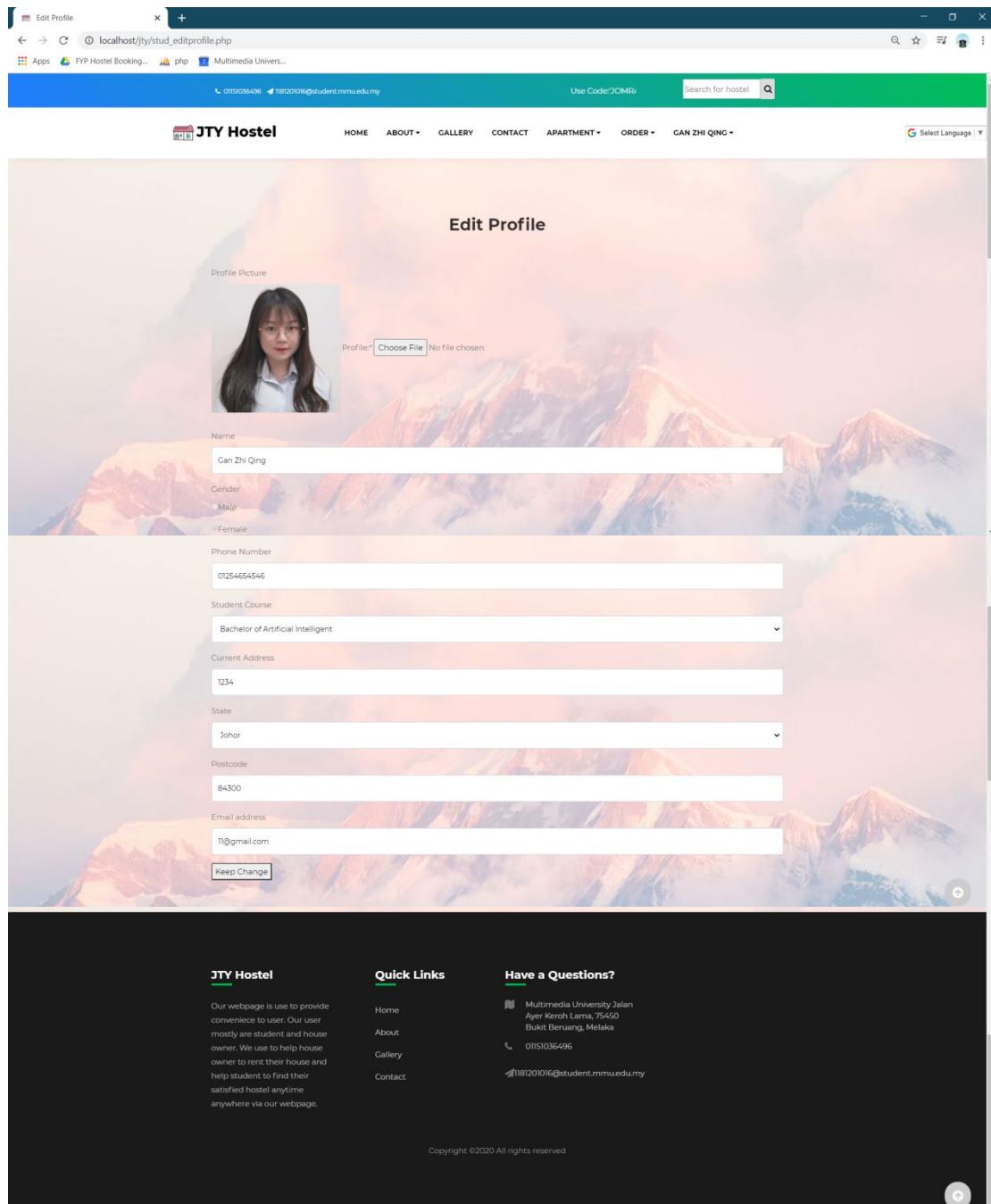


Figure 4.1.38 Edit Profile

Student can edit their profile by clicking on the button below profile information page or edit profile information which located in account setting page. Gender cannot be change by student.

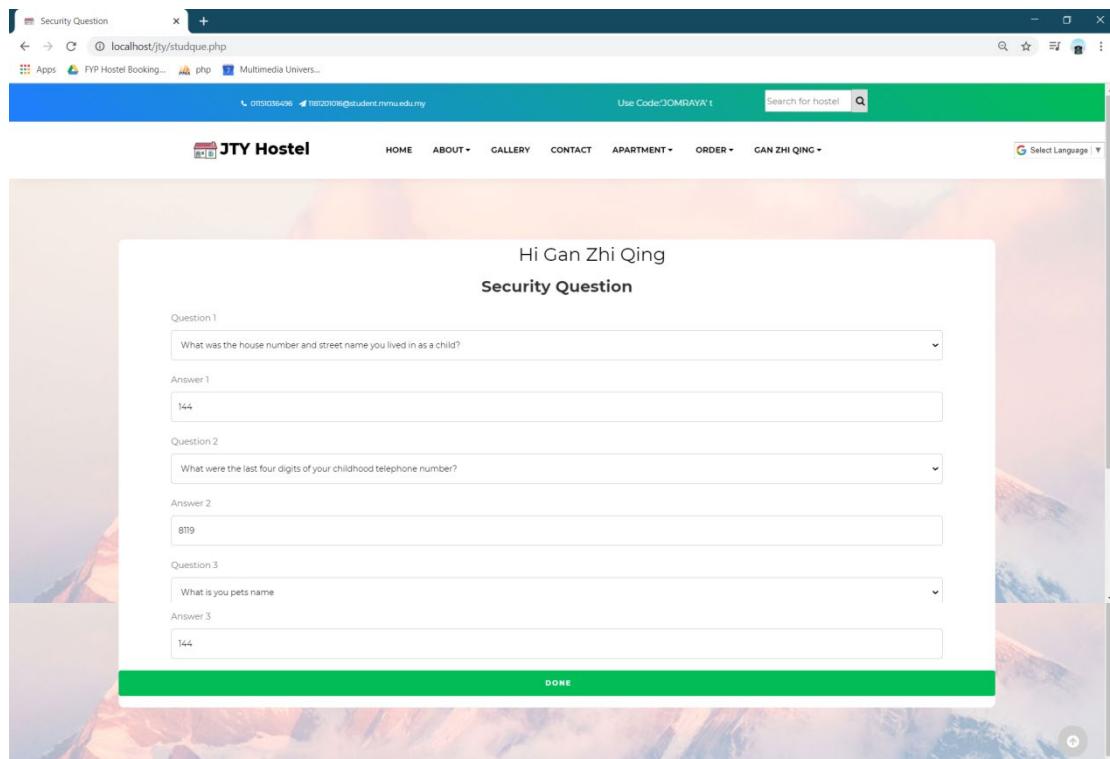


Figure 4.1.39 Security Question

Student are able to view their security question.

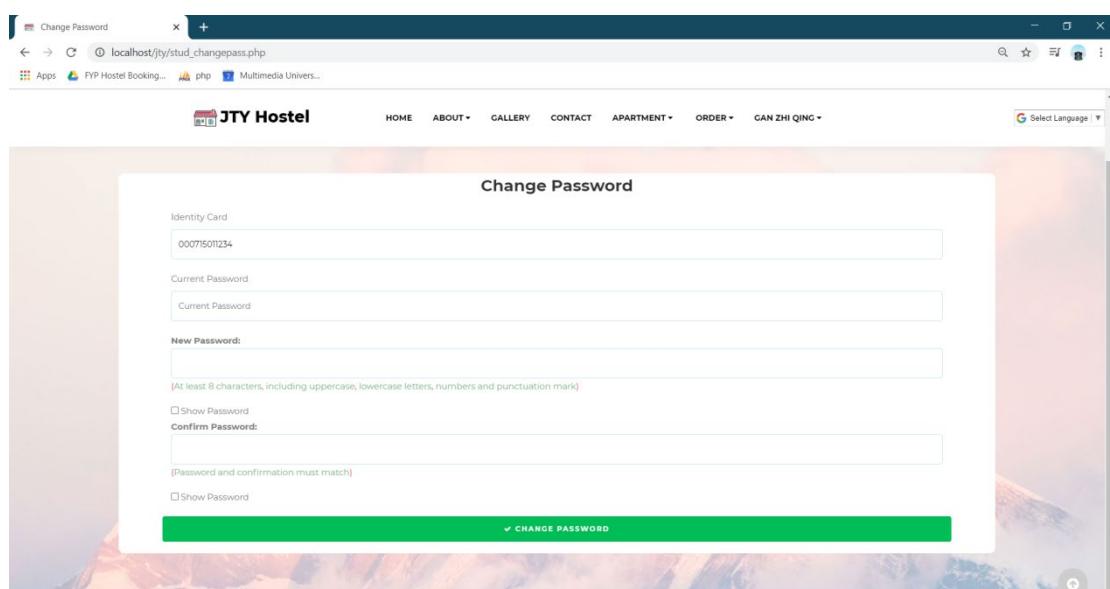


Figure 4.1.40 Change Password

Student can change their password if they want.

Part V:

System Testing

5.1 System Testing

5.1.1 Student Testing

<i>Test ID</i>	<i>Test Case</i>	<i>Expected Result</i>	<i>Actual Result</i>	<i>Status</i>
1	<p><u>Register:</u> Enter valid personal information. Click “Sign Up” button.</p>	<ul style="list-style-type: none"> Student should be able to register to the system. 	<ul style="list-style-type: none"> Student is able to register to the system. 	Pass
2	<p><u>Login:</u> Enter valid username and valid password. Click “Login” button.</p>	<ul style="list-style-type: none"> Student should be able to login to the system. The system should display home page with the name of the student. 	<ul style="list-style-type: none"> Student is able to login. Home page with name of student is displayed. 	Pass
3	<p><u>Login:</u> Enter invalid username and invalid password. Click “Login” button.</p>	<ul style="list-style-type: none"> Student should not be able to login to the system. 	<ul style="list-style-type: none"> Student is unable to login. 	Pass
4	<p><u>Forgot Password (Email):</u> Enter valid email. Click “Send” button.</p>	<ul style="list-style-type: none"> Student should be able to receive email to reset password. 	<ul style="list-style-type: none"> Student has received email and able to reset password. 	Pass
5	<p><u>Forgot Password (Security Question):</u></p>	<ul style="list-style-type: none"> Student should be able to reset 	<ul style="list-style-type: none"> Student is able to reset 	Pass

	<i>Enter valid email, correct security question and answer. Click “Submit” button.</i>	<i>password.</i>	<i>password.</i>	
6	<i><u>Add to & remove from Wishlist:</u> Add the hostel to wishlist. Click “Add to Wishlist” to add into wishlist & “Remove Hostel” button to remove from wishlist</i>	<ul style="list-style-type: none"> <i>Student should be able to add hostel into wishlist.</i> <i>Student should be able to remove hostel from wishlist.</i> 	<ul style="list-style-type: none"> <i>Student is able to add hostel into wishlist.</i> <i>Student is able to remove hostel from wishlist.</i> 	Pass
7	<i><u>Add to & Remove from Cart:</u> Add the hostel to and remove hostel from cart. Click “Add to Cart” & “Remove Hostel” button.</i>	<ul style="list-style-type: none"> <i>Student should be able to add hostel into cart.</i> <i>Student should be able to remove hostel from cart.</i> 	<ul style="list-style-type: none"> <i>Student is able to add hostel into cart.</i> <i>Student is able to remove hostel from cart.</i> 	Pass
8	<i><u>Filter:</u> Filter the type of apartment. Click the apartment name to filter.</i>	<ul style="list-style-type: none"> <i>Student should only able to view one type of apartment.</i> 	<ul style="list-style-type: none"> <i>Student is only able to view one type of apartment.</i> 	Pass
9	<i><u>Make & Cancel Appointment:</u></i>	<ul style="list-style-type: none"> <i>Student should be able to make</i> 	<ul style="list-style-type: none"> <i>Student is able to make</i> 	Pass

	<i>Enter correct information. Click “Submit Appointment” & “Cancel Appointment” button.</i>	<i>appointment.</i> • <i>Student should be able to cancel appointment.</i>	<i>appointment.</i> • <i>Student is able to cancel appointment.</i>	
10	<u><i>Booking & Cancel Hostel:</i></u> <i>Book hostel and cancel booking. Click “Check Out” & “Remove Hostel” button.</i>	• <i>Student should be able to proceed to payment page.</i> • <i>Student should be able to cancel the booking.</i>	• <i>Student is able to proceed to payment page.</i> • <i>Student is able to cancel the booking.</i>	Pass
11	<u><i>Use promo code</i></u>	• <i>Student should be able to use promo code which they never use before</i>	• <i>Student is able to use promo code</i>	Pass
12	<u><i>Make Payment:</i></u> <i>Enter valid information. Click “Pay” button. View receipt in PDF format after payment and Click on ‘print receipt’ button</i>	• <i>Student should be able to pay for the hostel.</i> • <i>After payment student should be able to view receipt and receipt in PDF format</i>	• <i>Student is able to pay for the hostel.</i> • <i>Student is able to view and print receipt</i>	Pass
13	<u><i>Purchase History:</i></u> <i>View purchase</i>	• <i>Student should be able to view</i>	• <i>Student is able to view the</i>	Pass

	<i>history.</i>	<i>the previous purchase.</i>	<i>previous purchase.</i>	
14	<u>Rating:</u> <i>Insert rating.</i> <i>Click "Submit Rating" button.</i>	<ul style="list-style-type: none"> <i>Student should be able to rate for the hostel.</i> 	<ul style="list-style-type: none"> <i>Student is able to rate for the hostel.</i> 	Pass
15	<u>View & edit profile;</u> <i>Edit student's information in profile.</i> <i>Click "Edit Profile" button.</i>	<ul style="list-style-type: none"> <i>Student should be able to view and edit information in the profile.</i> 	<ul style="list-style-type: none"> <i>Student is able to view and edit information in the profile.</i> 	Pass
16	<u>Contact Admin:</u> <i>Send messages to admin.</i> <i>Click "Send Message" button.</i>	<ul style="list-style-type: none"> <i>Student should be able to send message to admin.</i> 	<ul style="list-style-type: none"> <i>Student is able to send message to admin.</i> 	Pass
17	<i>Feedback:</i> <i>Send feedback about the system.</i> <i>Click "Send Message" button.</i>	<ul style="list-style-type: none"> <i>Student should be able to send feedback about the system.</i> 	<ul style="list-style-type: none"> <i>Student is able to send feedback about the system.</i> 	Pass
18	<u>Change Password:</u> <i>Change password with fulfil the requirement.</i> <i>Click "Change Password" button.</i>	<ul style="list-style-type: none"> <i>Student should be able to change password.</i> 	<ul style="list-style-type: none"> <i>Student is able to change password.</i> 	Pass
19	<u>View Security Question:</u> <i>View security</i>	<ul style="list-style-type: none"> <i>Student should be able to view security</i> 	<ul style="list-style-type: none"> <i>Student is able to view security</i> 	Pass

	<i>question.</i>	<i>questions.</i>	<i>questions.</i>	
20	<p><u>Logout:</u></p> <p><i>Logout from the system.</i></p> <p><i>Click “Logout” button.</i></p>	<ul style="list-style-type: none"> • <i>Student should be logout from the system.</i> • <i>After logout, student unable to access to the previous page of the system.</i> 	<ul style="list-style-type: none"> • <i>Student is logged out from the system.</i> • <i>After logout, student unable to access to the previous page of the system.</i> 	Pass

Table 5.1.1.1: Student Part Test Plan

5.1.2 5.1.2 Owner Testing

Test ID	Test Case	Expected Result	Actual Result	Status
1	<p><u>Register:</u> Enter valid personal information. Click “Sign Up” button.</p>	<ul style="list-style-type: none"> Owner should be able to register to the system. 	<ul style="list-style-type: none"> Owner is able to register to the system. 	Pass
2	<p><u>Login:</u> Enter valid username and valid password. Click “Login” button.</p>	<ul style="list-style-type: none"> Owner should be able to login to the system. The system should display dashboard with the name of the owner . 	<ul style="list-style-type: none"> Owner is able to login. Dashboard with name of owner is displayed. 	Pass
3	<p><u>Login:</u> Enter invalid username and invalid password. Click “Login” button.</p>	<ul style="list-style-type: none"> Owner should not be able to login to the system. 	<ul style="list-style-type: none"> Owner is not able to login. 	Pass
4	<p><u>Forgot Password (Email):</u> Enter valid email. Click “Send” button.</p>	<ul style="list-style-type: none"> Owner should be able to receive email to reset password. 	<ul style="list-style-type: none"> Owner has received email and able to reset password. 	Pass
5	<p><u>Forgot Password (Security Question):</u> Enter valid email,</p>	<ul style="list-style-type: none"> Owner should be able to reset password. 	<ul style="list-style-type: none"> Owner is able to reset password. 	Pass

	<i>correct security question and answer. Click “Submit” button.</i>			
6	<u>Insert Hostel:</u> <i>Insert hostel information with lowest requirement. Click “Add Hostel” button</i>	<ul style="list-style-type: none"> Owner should see the hostel status shows ‘Pending’ after insert. 	<ul style="list-style-type: none"> Owner is able to see the hostel status - ‘Pending’ at view hostel page. 	Pass
7	<u>View, edit & delete hostel:</u> <i>Enter hostel information with lowest requirement. Click “View” & “Update” & “Delete” button.</i>	<ul style="list-style-type: none"> Owner should able to view, edit and delete hostel information. 	<ul style="list-style-type: none"> Owner is able to view, edit and delete hostel information. 	Pass
8	<u>View & edit profile:</u> <i>Edit owner’s information in profile. Click “Update User” button.</i>	<ul style="list-style-type: none"> Owner should able to view and edit information in the profile. 	<ul style="list-style-type: none"> Owner is able to view and edit information in the profile. 	Pass
9	<u>View Appointment:</u> <i>Inform owner to pass key to admin. Click “Already Passed Key” button</i>	<ul style="list-style-type: none"> Owner should be able to view appointment and inform admin that owner has 	<ul style="list-style-type: none"> Owner is able to view appointment and inform admin that owner has 	Pass

		<i>passed the key.</i>	<i>passed the key.</i>	
10	<p><u><i>View Payment:</i></u> <i>View and print received payment slip.</i> <i>Click “Print” button.</i></p>	<ul style="list-style-type: none"> • Owner should be able to view and print received payment slip. 	<ul style="list-style-type: none"> • Owner is able to view and print received payment slip. 	Pass
11	<p><u><i>Contact Admin:</i></u> <i>Send messages to admin.</i> <i>Click “Send Message” button.</i></p>	<ul style="list-style-type: none"> • Owner should be able to send message to admin. 	<ul style="list-style-type: none"> • Owner is able to send message to admin. 	Pass
12	<p><u><i>Change Password:</i></u> <i>Change password with fulfil the requirement.</i> <i>Click “Submit” button.</i></p>	<ul style="list-style-type: none"> • Owner should be able to change password. 	<ul style="list-style-type: none"> • Owner is able to change password. 	Pass
13	<p><u><i>View Security Question:</i></u> <i>View security question.</i> <i>Click “Back” button.</i></p>	<ul style="list-style-type: none"> • Owner should be able to view security questions. 	<ul style="list-style-type: none"> • Owner is able to view security questions. 	Pass
14	<p><u><i>Terms & Conditions, User Guide:</i></u> <i>View Terms & Conditions, User Guide.</i> <i>Click “Terms & Conditions” and “User Guide” button.</i></p>	<ul style="list-style-type: none"> • The Terms & Conditions, User Guide should pop up after owner click the buttons. 	<ul style="list-style-type: none"> • The Terms & Conditions, User Guide pop up after owner click the buttons. 	Pass

15	<p><u>Logout:</u></p> <p>Logout from the system.</p> <p>Click “Logout” button.</p>	<ul style="list-style-type: none"> • Owner should be logout from the system. • After logout, owner unable to access to the previous page of the system. 	<ul style="list-style-type: none"> • Owner is logged out from the system. • After logout, owner unable access to the previous page of the system. 	Pass
----	--	---	---	------

Table 5.1.2.1: Owner Part Test Plan

5.1.3 Admin Testing

Test ID	Test Case	Expected Result	Actual Result	Status
1	<u>Login:</u> Enter valid username and valid password. Click “Login” button.	<ul style="list-style-type: none"> • Admin should be able to login to the system. • The system should display home page with the name of the admin . 	<ul style="list-style-type: none"> • Admin is able to login. • Home page with name of admin is displayed. 	Pass
2	<u>Login:</u> Enter invalid username and invalid password. Click “Login” button.	<ul style="list-style-type: none"> • Admin should not be able to login to the system. 	<ul style="list-style-type: none"> • Admin is unable to login. 	Pass
3	<u>Forgot Password (Email):</u> Enter valid email. Click “Send” button.	<ul style="list-style-type: none"> • Admin should be able to receive email to get a temporary password. 	<ul style="list-style-type: none"> • Admin has received email and able to use temporary password 	Pass
4	<u>View & approve hostel:</u> Enter hostel information with lowest requirement. Click “View” & “approve” button.	<ul style="list-style-type: none"> • Admin should be able to view hostel information and approve hostel 	<ul style="list-style-type: none"> • Admin is able to view hostel information and approve hostel. 	Pass
5	<u>View & edit</u>	<ul style="list-style-type: none"> • Admin should be able 	<ul style="list-style-type: none"> • Admin is able to 	Pass

	<p><u>profile</u>: Edit admin's information in profile. Click "Update Profile" button.</p>	<p>to view and edit information in the profile.</p>	<p>view and edit information in the profile.</p>	
6	<p><u>Approve Appointment</u>: Approve the appointment. Click "Approve" & "Send Mail" button</p>	<ul style="list-style-type: none">Admin should be able to approve appointment and inform student that appointment has been approved.	<ul style="list-style-type: none">Admin is able to approve appointment and inform student that appointment has been approved.	Pass
7	<p><u>Approve user's Registration</u>: Approve registration. Click "Approve" button</p>	<ul style="list-style-type: none">Admin should be able to approve student's and owner's registration.	<ul style="list-style-type: none">Admin is able to approve student's and owner's registration	Pass
8	<p><u>Remove and Unremove user</u>: Manage user. Click "Remove" & "Unremove" button.</p>	<ul style="list-style-type: none">Admin should be able to remove and unremove student and owner.	<ul style="list-style-type: none">Admin is able to remove and unremove student and owner.	Pass
9	<p><u>Customer Manage</u>: Manage feedback and contact. Click "Delete", "Hide", "Reply" & "Pending"</p>	<ul style="list-style-type: none">Admin should be able to manage user's feedback and contact.	<ul style="list-style-type: none">Admin is able to manage user's feedback and contact.	Pass

	<i>button.</i>			
10	<u><i>View Booking:</i></u> <i>View booking information.</i>	<ul style="list-style-type: none"> • Admin should able to view user's booking information. 	<ul style="list-style-type: none"> • Admin is able to view user's booking information. 	Pass
11	<u><i>View Payment:</i></u> <i>View and print payment slip.</i> <i>Click "Print" button.</i>	<ul style="list-style-type: none"> • Admin should be able to view and print payment slip. 	<ul style="list-style-type: none"> • Admin is able to view and print payment slip. 	Pass
12	<u><i>Manage Admin (SuperAdmin only):</i></u> <i>Manage other admin.</i> <i>Click "Admin" & "SuperAdmin" button.</i>	<ul style="list-style-type: none"> • Super Admin should be able to manage other admin. 	<ul style="list-style-type: none"> • Super Admin is able to manage other admin. 	Pass
13	<u><i>Remove and Unremove admin (SuperAdmin only):</i></u> <i>Manage admin.</i> <i>Click "Remove" & "Unremove" button.</i>	<ul style="list-style-type: none"> • Super Admin should be able to remove and unremove other admins. 	<ul style="list-style-type: none"> • Super Admin is able to remove and unremove other admins. 	Pass
14	<u><i>Add Admin (SuperAdmin only):</i></u> <i>Enter valid information.</i>	<ul style="list-style-type: none"> • Super Admin should be able to add other admins. 	<ul style="list-style-type: none"> • Super Admin is able to add other admins. 	Pass

	<i>Click "Submit" button.</i>			
15	<p><u>Edit Password:</u> Edit password with fulfil the requirement.</p> <p><i>Click "Update" button.</i></p>	<ul style="list-style-type: none"> • Admin should be able to change password. 	<ul style="list-style-type: none"> • Admin is able to change password. 	Pass
16	<p><u>View & add Security Question:</u> View and add security question.</p> <p><i>Click "Submit" button.</i></p>	<ul style="list-style-type: none"> • Admin should be able to view and add security questions. 	<ul style="list-style-type: none"> • Admin is able to view and add security questions. 	Pass
17	<p><u>View & add Coupon</u> View & add coupon</p>	<ul style="list-style-type: none"> • Admin should be able to view and add coupon 	<ul style="list-style-type: none"> • Admin is able to view and add coupon 	Pass
18	<p><u>Delete & Unremove coupon</u> Delete and unremove coupon</p>	<ul style="list-style-type: none"> • Admin should be able to delete and unremove coupon 	<ul style="list-style-type: none"> • Admin is able to delete and unremove coupon 	Pass
19	<p><u>View & add courses</u> View & add courses</p>	<ul style="list-style-type: none"> • Admin should be able to view and add course 	<ul style="list-style-type: none"> • Admin is able to view and add course 	Pass
20	<p><u>Delete & unremove courses</u></p>	<ul style="list-style-type: none"> • Admin should be able to delete and unremove courses 	<ul style="list-style-type: none"> • Admin is able to delete and unremove courses 	Pass
21	<p><u>Logout:</u> Logout from the</p>	<ul style="list-style-type: none"> • Admin should be logout from the 	<ul style="list-style-type: none"> • Admin is logged out from the 	Pass

	<p><i>system.</i> <i>Click “Logout” button.</i></p>	<p><i>system.</i></p> <ul style="list-style-type: none">• <i>After logout, admin unable to access to the previous page of the system.</i>	<p><i>system.</i></p> <ul style="list-style-type: none">• <i>After logout, admin unable access to the previous page of the system.</i>	
--	---	---	--	--

Table 5.1.3.1: *Admin Part Test Plan*

Part VI:

Conclusion

6.1 Conclusion

In conclusion, our system allows students to book and pay for the hostel, and make an appointment to view the hostel anytime, anywhere. This may help student to save their time from go to the office just to book their room. They could book the hostel successfully by only a few clicks in our system. Besides, the hostel owners are able to share their hostels in our system without any service charge. They can insert the hostel information in our system. Owners are able to view student's basic information who have booked their hostel. They need to pass key to admin before the appointment to let admin brings student to view the hostel. Furthermore, admin need to approve student's, owner's registration and the hostel information to make sure the hostel information doesn't include owner's contact. Admin need to manage the message and feedback which response by student and owner.

During the period we do this project, we have focus on practicing the programming language we have learned before such as PHP. Moreover, we have faced some problems when we are doing this project. For example, we have different opinions while we decided to use which platform for our web application design. By solving this problem, we have learned about teamwork and the way for finding solution has become our precious experience. These experiences can be a lesson for our future.

6.2 Future Enhancements

In future we hope that we can extend our business not only for MMU Melaka students also for student in whole Malaysia. Moreover, we also hope that we can create a live chat for our user. Nowadays, if admin have anything want to inform user they can only via email and some of the user will not check their mailbox everyday. So to make user more convenient we decided to create a live chat to lets user can contact to admin more easily. Besides, we also hope we can improve our owner part. We hope to change owner upload image to be more user friendly while owner insert their image.

Part VII:

References

List of URL addresses, reference books or bibliography entries

Books:

Anti, J.M. and Ryan, P.V.S., "Civil Engineering Construction", 3rd Ed.,
Sydney, Angus and Robertson, London, 1967, 631 pages

Journal:

Downs, R.B., "The Military Approach to Soil Stabilization", *Journal of the Institute of Highway Engineers*, London, Volume XIX, No. 3, March, 1972,
pg 19-23

Monograph:

Body, D.M., "Flood Estimation". Water Res. Board of Australia. No.4, 1959,
41 pages

Thesis:

Marques, J.L.G., "A Study of Anchorage Capacities of Confined Bentbar Reinforcement". Ph.D. Thesis, Rice University, Houston Texas May, 1988

Conf.

Lea, F.M., "Cement Research: Retrospect and Prospect" in *Proc. 4th Proceedings: International Symposium on the Chemistry of Cement*,
Washington DC, 1960, pg 5-6

Web Page:

Smith, A. B., "Description of the Intel P6 Processor", Intel Corp.,

<http://www.intel.com/pentium/p6/description.htm>

Working Paper:

Kuo, C and Sayer, P, "Education of Engineers in Marine Technology", presented at the World Conference on Education in Applied Engineering & Engineering Technology Cologne German, 16-19 April, 1984

Standards:

British Standard Institute, "BS 6000:1972, Guide to the use of BS 6001, sampling procedures and tables for inspection by attributes", London, 50 pages

Article Title: How to Send Email using PHP mail() Function

Url : <https://www.guru99.com/php-mail.html>

Website title:Guru99

URL : <https://codewithhawa.com/posts/image-upload-using-php-and-mysql-database>

Website Title :CodeWithAwa

Article Title :Image upload using php and MySQL database

URL : <https://www.jqueryscript.net/demo/inform-password-strength/>

Website Title: Simple Password Strength Indicator Demo

URL : <https://www.jqueryscript.net/demo/image-puzzle-slider-captcha/>

Website Title : Image Puzzle Captcha jQuery Plugin Example

URL: <https://ckeditor.com/ckeditor-4/download/>

Website Title : CKEditor 4 - Download