



FSKM

CSC584

Universiti Teknologi MARA, Kampus Kuala Terengganu, Terengganu



# Faculty of Computer Science and Mathematics





## Group Project - Cover Sheet

Course Code	Due Date	Lecturer's Name
CSC584	JULY 2022 (Week 14 <sup>th</sup> )	MOHD HANAPI ABDUL LATIF
Course Name		Group
ENTERPRISE PROGRAMMING		CS2304B2
Project Title		
HOSTEL MANAGEMENT SYSTEM		

This statement should be completed and signed by the student(s) participating in preparation of the assignment / project.

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Student Name	Student number	Student signature
MOHAMAD IMAN MUSTAKIM BIN WAN IBRAHIM	2020845062	
MUHAMAD AIMAN B MAZLAN	2021888152	
MUHAMMAD AFIQ B HADIMI	2021498254	
WAN MUHAMMAD HAIKAL B WAN ABD RAHIM	2021477758	

Score Sheet	
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<b>Project Title:</b>	<b>HOSTEL MANAGEMENT SYSTEM</b>
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	<b>Comments</b>
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Presentation video		
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<input type="checkbox"/> Organization of content	/4	
<input type="checkbox"/> Use of media (image, sound)	/4	
<input type="checkbox"/> Oral presentation skill	/3	

<b>Total 1</b>	<b>/10</b>	
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SYSTEM PRESENTATION		
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System Security		
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<input type="checkbox"/> Input form validation	/4	
<input type="checkbox"/> Session Management	/4	

<b>Total 2</b>	<b>/8</b>	
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System Functionality		
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<input type="checkbox"/> 1: Create	/4	
<input type="checkbox"/> 2: Read	/4	
<input type="checkbox"/> 3: Update	/4	
<input type="checkbox"/> 4: Delete	/4	
<input type="checkbox"/> 5: Report (Analysis)	/4	

<b>Total 3</b>	<b>/20</b>	
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Usability of user interface		
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<input type="checkbox"/> Screen Design	/4	
<input type="checkbox"/> Originality/Creativity	/4	

<b>Total 4</b>	<b>/8</b>	
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MVC framework		
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<input type="checkbox"/> Servlet	/4	
<input type="checkbox"/> JSP	/4	
<input type="checkbox"/> JavaBean	/4	
<input type="checkbox"/> DAO	/2	

<b>Total 5</b>	<b>/14</b>	
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<b>Others</b>		
<input type="checkbox"/> Report	<b>10</b>	
<b>Total 5</b>	<b>/10</b>	

<b>Grand Total</b>	<b>/70</b>
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### Rubric Web Project

Criteria	Poor (0)	Fair (1)	Good (2-3)	Excellent (4)
Security	No session management and no form validation.	Some sessions management present but not complete.	Sessions management is consistently coded. Form is easy to read and validate.	Sessions management is well managed. Form is well verified and validated.
Functionality (CRUD)	Code will not run. HTML will not display.	HTML will display a page but will not carry out CRUD functions.	Web application has consistent look and feel and will perform all CRUD functions.	Web application has consistent look and feel and will perform all CRUD functions. Some testing scenarios are provided.
Usability of user interface	Layout has no structure or organization.	Text broken into paragraphs and/or sections	Organized and consistent; good formatting.	Appearance of the page looks professional.

## Table of Contents

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## **1. Introduction**

Hostel management system is a desktop application for managing hostel records. We design a Hostel management system to help hostel admin in managing records to the hostel in an efficient manner. Hostel management system are very user-friendly software that is why they do not require specially trained people to handle the software. Hostel management system can automatically record the student's data, hostel rooms and other things related to the hostel.

This system helps them from the manual work where it is very difficult to find the record of the student and the mess bills of the student and the information about those who left the hostel years before. This system gives an idea about how a student and fee details, room allocation, mess expenditure is maintained in a better way. This system also contains special features like how many students are in a room, student's id and free rooms or space available.

## **2. Current Business Operation**

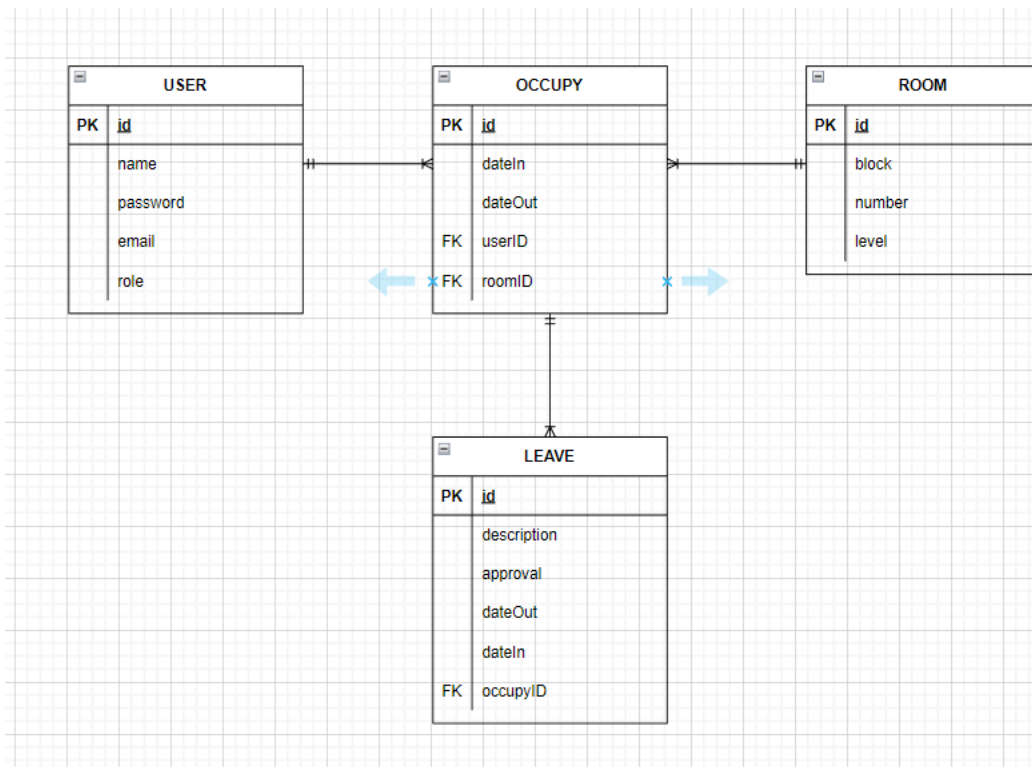
In this Hostel Management System, student can direct booking system over the internet. The main booking page can be placed on the hostel website, promoted on social media, and linked to in email marketing. Student can check the availability of rooms, booking rooms and make payment in directly on the website. It's helping to saving the amount of time for more another activity. Besides that, this system reduced the excessive paperwork. Admin can now keep track the important information of student and streamline the booking process. Admin can view, update, and delete information of student, room booking and price on the website.

## **3. System objective**

The objectives of the system are:

- a. To provide online student application for student to apply for hostel.
- b. To ease the admin to retrieve student information and control data concurrency.
- c. To ensure data security of student is safe.
- d. To help admin to locate and view information faster which is more relevant to their roles and responsibilities.

#### 4. Entity Relationship Diagram (ERD)



#### 5. Conclusion

In this Hostel Management System, we manage the working of the modules efficiently. In this system, we develop using PHP based on the requirement specification of the user and the analysis of the existing system. This Hostel Management System very useful to student for view and allocate the available rooms and the payment provided. The admin of the system can now keep track the important information like student's data, room, or space available, and view, update or delete the important related data.

SAMPLE APPLICATION IS AVAILABLE AT <https://csc584.blackzafiqz.com>

STAFF LOGIN : [blackzafiqz@gmail.com](mailto:blackzafiqz@gmail.com)

STAFF PASSWORD : a

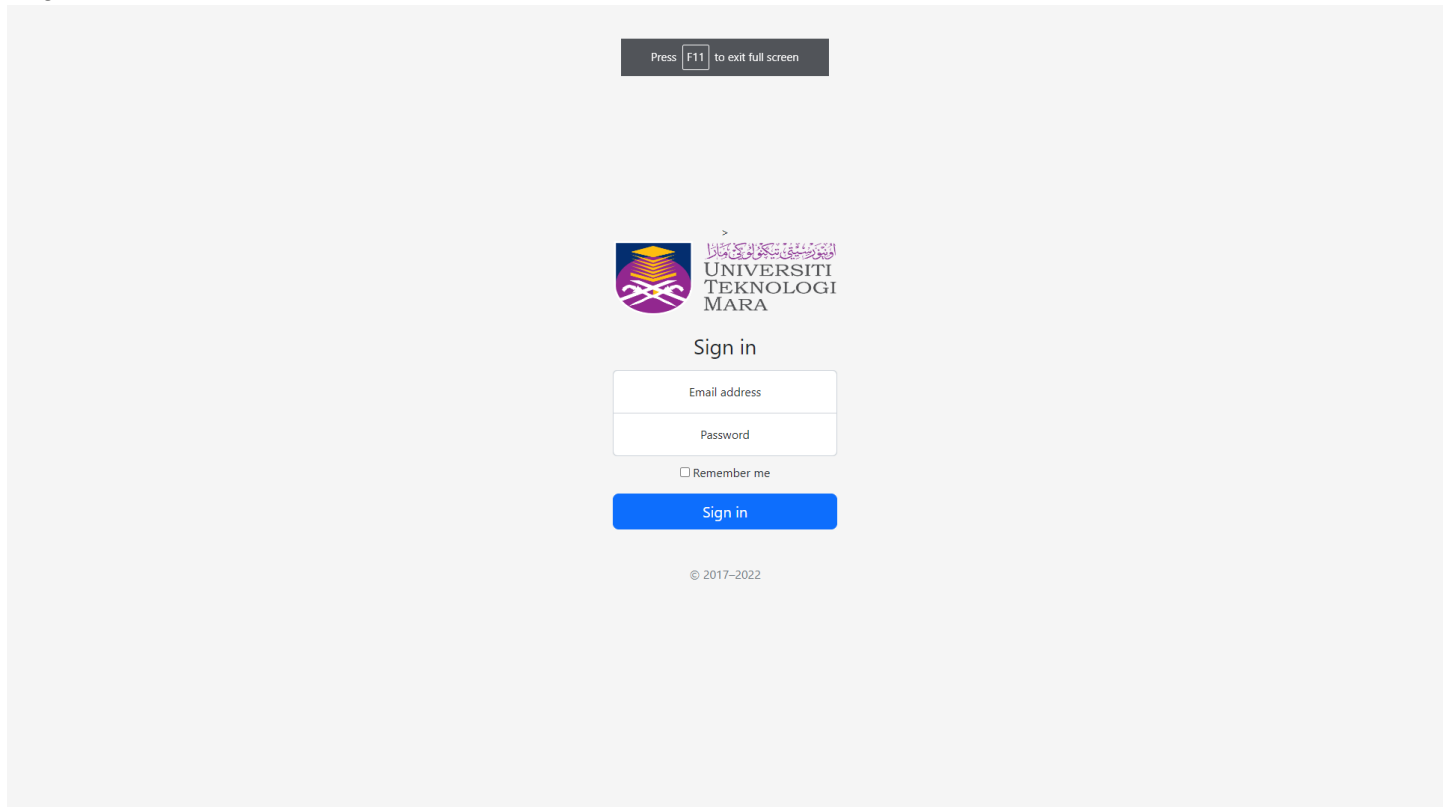
STUDENT LOGIN : [blackzafiqz@blackzafiqz.com](mailto:blackzafiqz@blackzafiqz.com)

STUDENT PASSWORD : a


## Appendices

### Appendix A: Screen Shots of Application (Menus, reports, forms)

#### Login



Press **F11** to exit full screen

 UNIVERSITI  
TEKNOLOGI  
MARA

Sign in

Email address

Password

☐ Remember me

Sign in

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Student Menu



Welcome MUHAMMAD ZAHIN BIN MUHAMMAD HAFIZ

- > Room
- > Leave

> Account



# Room Listing



Room

List

Register

History

Leave

Account

Total rooms available : 81

Room ID	Number	Block	Level
181	1	C	1
182	2	C	1
183	3	C	1
188	8	C	1
190	10	C	1
191	11	C	1
194	14	C	1
196	16	C	1
197	17	C	1
199	19	C	1



Room

- List
- Register
- History

> Leave

Account

ROOM REGISTRATION

You are already registered

Student ID	989
Name	MUHAMMAD ZAHIN BIN MUHAMMAD HAFIZ
Block	Select Block
Level	Select Level
Room	Select Room

Register

# Registration History



- ✓ Room

List

Register

History
- > Leave
- > Account

Total rooms registered : 1

	Room Number	Block	Level	Date In	Date Out
1	13	C	3	2022-01-01	2022-06-01



> Room

✓ Leave

Apply

History

> Account

APPLY LEAVE

Student ID 989

Name MUHAMMAD ZAHIN BIN MUHAMMAD HAFIZ

Description

Date Out

Date In

Register

# Leave History



> Room

< Leave

Apply  
History

> Account

## LEAVE HISTORY

Total leaves registered : 1

	Description	Approval Status	Date In	Date Out
1	Go to sister's wedding	Approved	2022-06-01	2022-01-01



- > Room
- > Leave

- > Account
  - Settings
  - Sign out

USER SETTINGS

Student ID	989
Name	MUHAMMAD ZAHIN BIN MUHAMMAD HAFIZ
Role	Student
Email	<input type="text" value="blackzafiqz@blackzafiqz.com"/>
Password	<input type="password"/>
<input type="button" value="Update"/>	

Staff Menu



Welcome MUHAMMAD AFIQ BIN HADIMI

- > Room
- > Student
- > Leave
- > Account

Staff Room List



- Room
  - List
  - Register
  - Information
- Student
- Leave
- Account

LIST ROOM

Show 10 entries

Search:

Room ID	Number	Block	Level	Resident	
1	1	A	1	2	<div>ViewRegister</div>
2	2	A	1	4	<div>View</div>
3	3	A	1	3	<div>ViewRegister</div>
4	4	A	1	3	<div>ViewRegister</div>
5	5	A	1	3	<div>ViewRegister</div>
6	6	A	1	3	<div>ViewRegister</div>
7	7	A	1	4	<div>View</div>
8	8	A	1	4	<div>View</div>
9	9	A	1	3	<div>ViewRegister</div>
10	10	A	1	3	<div>ViewRegister</div>

Showing 1 to 10 of 1,800 entries

Previous

1

2

3

4

5

...

180

Next





- Room
  - List
  - Register
  - Information
- Student
- Leave
- Account

ROOM REGISTRATION

Student ID	<input type="text"/>
Name	<input type="text"/>
Block	<input type="text" value="Select Block"/>
Level	<input type="text" value="Select Level"/>
Room	<input type="text" value="Select Room"/>

Register

# Room Information



- Room
  - List
  - Register
  - Information
- Student
  - Leave
- Account

## ROOM DATA

Room ID

Room Number

Level

Block

Student ID	Name	Email
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Student List



- > Room
- > Student
  - List
  - Information
- > Leave
- > Account

LIST STUDENT

Show 

5

 entries

Search:

Student ID	Name	Email	
8	NORHAFIZA BINTI RUSLAN	fizaruslan83@gmail.com	<div>Information</div>
9	SITI IDAYU BINTI MATININ	sitidayu_23@yahoo.com	<div>Information</div>
10	NURVANNY SHARIIN BINTI YAMAN	nurvannyshariin@gmail.com	<div>Information</div>
11	SITI MUNAWARAH BINTI MARSAM	waddin1305@yahoo.com	<div>Information</div>
12	NUR KHAIRUNNISA HUSNA BINTI ABD WAHAB	khayrunnisahusna05@gmail.com	<div>Information</div>

Showing 1 to 5 of 4,424 entries

Previous

1

2

3

4

5

...

885

Next

# Student Information



- > Room
- ✓ Student
  - List
  - Information
- > Leave
- > Account

## STUDENT INFORMATION

Student ID	<input type="text"/>
Name	<input type="text"/>
Email	<input type="text"/>
Password	<input type="password"/>
Block	<input type="text"/>
Level	<input type="text"/>
Room	<input type="text"/>

Unassign room

Update

# Leave Room



> Room

> Student

> Leave

List

Information

> Account

## LEAVE ROOM

Show 

5

 entries

Search:

ID	Name	Description	Approval	Date Out	Date In	
1	NUR SYAZANA AUNI BINTI MOHD ROSAINI	UITM Program	Approved	2022-02-16	2022-02-21	<a href="#">View</a>
5	MUHAMMAD HAZIQ IQBAL BIN AZHARI	UITM Program	Approved	2022-07-04	2022-07-12	<a href="#">View</a>
6	NUR SYAFILZA BINTI ZABUR HAN	UITM Program	Approved	2022-02-11	2022-02-18	<a href="#">View</a>
8	MUHAMMAD AZRAI BIN AZLAN	Holiday	Approved	2022-05-05	2022-05-16	<a href="#">View</a>
9	FARZANA BINTI RAZALI	Holiday	Approved	2022-06-18	2022-06-19	<a href="#">View</a>

Showing 1 to 5 of 497 entries

Previous

1

2

3

4

5

...

100

Next

# Leave Information



- > Room
- > Student
- > Leave
  - List
  - Information
- > Account

## Leave Information

Leave ID	<input type="text"/>
Name	<input type="text"/>
Description	<input type="text"/>
Approval	<input type="text" value="Approved"/>
Date Out	<input type="text" value="dd/mm/yyyy"/>
Date In	<input type="text" value="dd/mm/yyyy"/>

Update



- > Room
- > Leave

- > Account
  - Settings
  - Sign out

USER SETTINGS

Student ID	4
Name	MUHAMMAD AFIQ BIN HADIMI
Role	Staff
Email	<input type="text" value="blackzafigz@gmail.com"/>
Password	<input type="password"/>
<input type="button" value="Update"/>	