

RESIDENTIAL COLLEGE REGISTRATION SYSTEM

This project is focused on developing an Residential College Registration System which is focused on Seventh Residential College, University of Malaya. The application also consists of features for the admin to provide the room and electrical appliances registration and the ability to manage the students site.

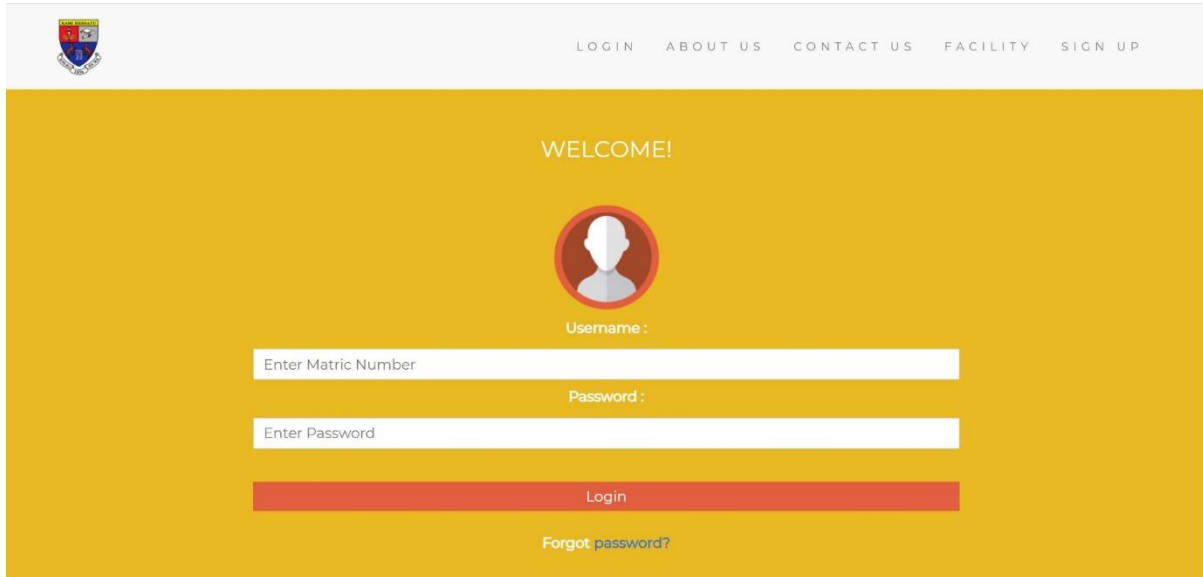
From this system, the main topics that have been implemented are admin and student topics. From the main topics, sub-topics that have been developed as part of the content are student information, room registration and electrical appliances registration. The technique that has been chosen is based on the needs of the target user. According to the survey, most of the users are satisfied with the system being developed.

This is because the online system is easier than the manual system where it involves both parties. Students can register the rooms and electrical appliances they want no matter where they are and the admin can easily view the student's status without opening a thick book and also can saving paper. All data is successfully stored in the database without any problems. Moreover, the system is positively received user feedback in terms of content and application interface. Some users proposes that the system be improved for the better in the future.

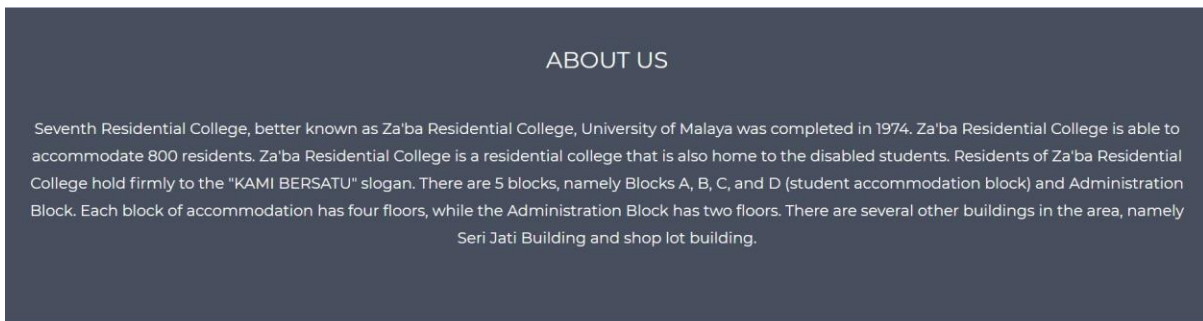
USER INTERFACE

Below is the user interface for this project. The yellow color is the student interface part while blue is the admin interface.

Student Interface



This is the front page of the student interface, which is the user login section.



CONTACT US

Address :
Kolej Kediaman Ketujuh (Za'ba),
Universiti Malaya, Lembah Pantai,
50603 Kuala Lumpur.

At the bottom of the front page, there is some information about the Seventh Residential College (Za'ba) University of Malaya.



FACILITY PROVIDED



Gazebo



Court futsal



Laluan braille OKU



In the facilities section, there are some important facilities available in the Residential College along with pictures to make the website more attractive.

SIGN UP



Matric Number :

ABC123456

Email :

ABC@123.com

Set Password :

Enter Password


Re-type Password :

Re-type Password

Sign Up

By submitting this form you agree with the [Term & Conditions](#)

Before students can log in, they need to sign up for an account first. Only student matrix registered by admin can sign up to this system.




LOGINFACILITYSIGN UP

TERM & CONDITION

Saya dengan sesungguhnya dan sejujurnya berjanji bahawa saya akan mematuhi peraturan-peraturan Kolej Kediaman Ketujuh (Za'ba) serta apa-apa peraturan dan arahan lain yang dikeluarkan dan dikuatkuasakan oleh Pengetua, Penyelia dan Pihak Pengurusan Kolej dari masa ke semasa sepanjang saya menghuni di Kolej Kediaman Ketujuh (Za'ba). Maka dengan ini saya berjanji;


1. Tidak akan melakukan sebarang aktiviti yang bercanggah dengan undang-undang negara, peraturan Universiti Malaya dan peraturan Kolej Kediaman semasa menghuni di Kolej Kediaman Ketujuh (Za'ba).
2. Tidak akan terlibat secara langsung atau tidak langsung dalam aktiviti ppolitik dan hal-hal yang berkaitan dengannya semasa menghuni di Kolej Kediaman Ketujuh (Za'ba).
3. Tidak akan merosakkan sebarang harta benda Kolej Kediaman Ketujuh (Za'ba) dan akan menjaga segala harta benda Kolej Kediaman Ketujuh (Za'ba).
4. Tidak akan berkelakuan dengan acara yang boleh memburukkan atau mencemarkan nama Kolej Kediaman Ketujuh (Za'ba).

In the sign up section, there are terms and conditions for students who need to register into the system. They have to abide by all the rules that have been set.



LOGOUT

FILL IN YOUR DETAILS



Name

AIDA AFIFAH BT AHMAD TAJUDDIN

Gender


FEMALE

Are you disable student?

NO


Phone Number

To log in for the first time, students need to enter personal details into the system.



[PROFILE](#)
[ACCOMODATION](#)
[ELECTRICAL APPLIANCE](#)
[RECEIPT](#)
[SETTING](#)
[LOGOUT](#)

YOUR PROFILE



NAME :	Zarith Hijanah Binti Muhammad Aiman
GENDER :	Female
STATUS OKU :	No
PHONE NUMBER :	012-34567890
NRIC :	951124-14-0366
EMAIL :	jue@gmail.com

After logging in, students will be navigated to the completed student profile section. And for the second and subsequent logins, they will continue to be taken to this section without having to fill in any further information.

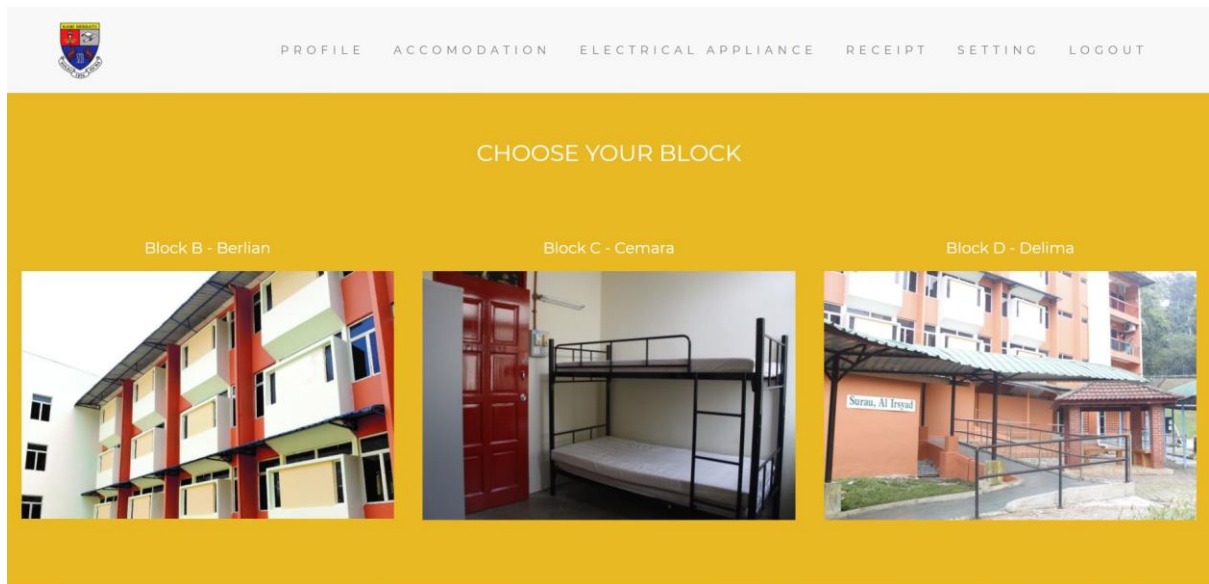
PARENT/GUARDIAN DETAILS

NAME :	Muhammad Aiman
INCOME STATUS :	RM3,860 - RM8,319
PHONE NUMBER :	012798875
ADDRESS :	Lot 524, Kg Guntong, 32610 Seri Iskandar, Perak
STATE :	Perak

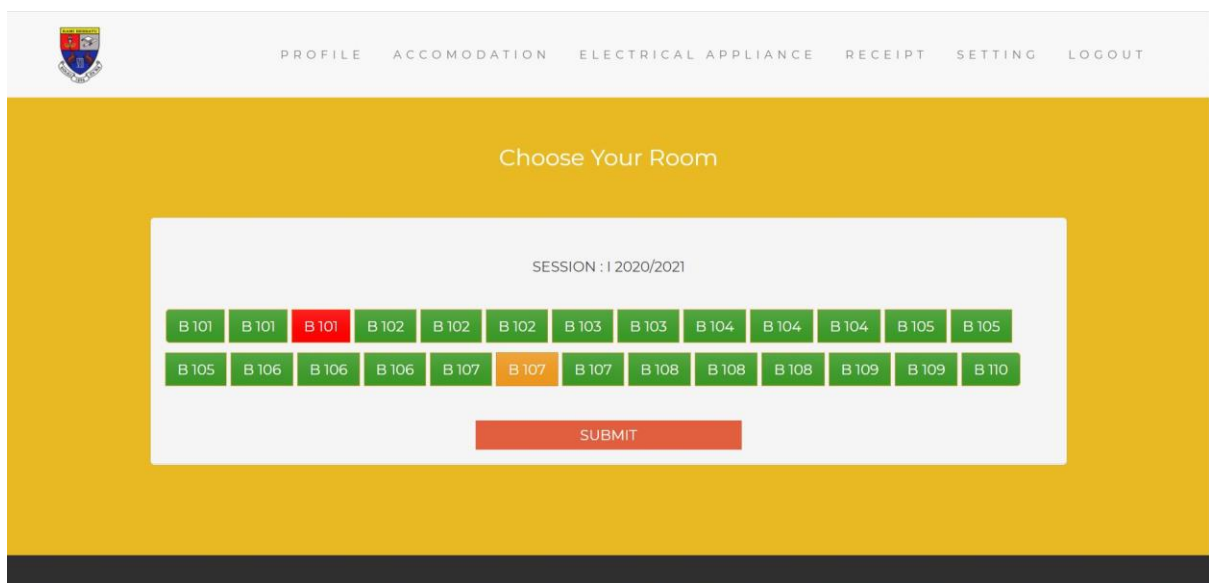
UPDATE

Website Made By [Juhaida](#)

If they want to update their information, they just need to scroll down and click the update button and update as usual.



This is the block selection section. Students are allowed to select the block they want to occupy based on the personal information that has been filled earlier. If the student who registered is a disabled student, the student can not choose the block because the disabled student room has been provided by the administration, which is only one block. The system will continue to take students with disabilities to the room section so that they can choose the room they want.



This is the room selection section. One room can accommodate only 3 students. Red means the room is already inhabited, while yellow is the selection of the room we want.




If the room is already selected, this popup will appear and students will be navigate to the electrical registration section.



And if the student tries to re-register the room, the system will instruct the student to refer to the administration to make any room change.

A screenshot of a web application interface. At the top, there is a navigation bar with a logo on the left and several menu items: 'PROFILE', 'ACCOMODATION', 'ELECTRICAL APPLIANCE', 'RECEIPT', 'SETTING', and 'LOGOUT'. Below the navigation bar is a large yellow banner with the text 'REGISTER ELECTRICAL APPLIANCE' in white. In the center of the banner is a white rectangular form. Inside the form, at the top, it says 'SESSION : 1 2020/2021'. Below this, there is a list of items with checkboxes: 'Computer/Laptop', 'Printer/Scanner', 'Radio', 'Hair dryer', 'Fan', and 'Not applicable'. At the bottom of the form is a red button with the text 'Submit' in white.

This is the registration part of electrical appliances that can be taken to a residential college. They can choose more than one item.




PROFILE ACCOMODATION ELECTRICAL APPLIANCE RECEIPT SETTING LOGOUT

RECEIPT

STUDENT SLIP	
NAME :	Zarith Hijanah Binti Muhammad Aiman
MATRIC NUMBER :	WIG160039
BLOCK :	Berlian
ROOM :	101
ELECTRICAL APPLIANCES :	Computer/Laptop
	Printer/Scanner

PRINT

This is the part of the student receipt that has been registered. Students need to print and bring this receipt to the office during the key collection day at the residential college.



PROFILE ACCOMODATION ELECTRICAL APPLIANCE RECEIPT SETTING LOGOUT

CHANGE PASSWORD

Old Password:

New Password:

Re-type New Password:

SUBMIT

In the settings section, students can change their password.

FORGOT PASSWORD?

Matric Number

Email

SUBMIT

Website Made By Juhaida

If students forget the password that has been set, they can fill in their matrix number and also email but make sure the email and matrix number are the same as those registered in the sign up section. New passwords will be received via the email entered.

Table	Action	Rows	Type	Collation	Size	Overhead
admin_addstudent	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
admin_login	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
admin_profile	Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_block	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_course	Browse Structure Search Insert Empty Drop	20	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_electrical	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_faculty	Browse Structure Search Insert Empty Drop	16	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_fyos	Browse Structure Search Insert Empty Drop	5	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_gender	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_income	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_nation	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_religion	Browse Structure Search Insert Empty Drop	4	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_room	Browse Structure Search Insert Empty Drop	70	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_semester	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_state	Browse Structure Search Insert Empty Drop	14	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_status	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
ref_statusoku	Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-

This is the part of the database that has been created to store all user information.

Server: 127.0.0.1 » Database: fyp » Table: user_profile

Showing rows 0 - 1 (2 total, Query took 0.0007 seconds.)

SELECT * FROM `user_profile`

Number of rows: 25 Filter rows: Search this table Sort by key: None

	up_id	up_fullname	up_gender	up_statusoku	up_phonenumber	up_ic	up_email	up_address	up_sta
<input type="checkbox"/> Edit Copy Delete	49	Zarith Hijnah Binti Muhammad Aiman	2	1	012-34567890	951124-14-0366	jue@gmail.com	Lot 524, Kg Guntong, 32610 Seri Iskandar, Perak	
<input type="checkbox"/> Edit Copy Delete	50	Aida Afifah Bt Ahmad Tajuddin	2	1	1234567891	920221016002	Aida@gmail.com	1A JALAN DEWAN Setia, Jalan Gombak, 56800 Kuala Lu...	

Number of rows: 25 Filter rows: Search this table Sort by key: None

This is how student information looks like in the database.

Server: 127.0.0.1 » Database: fyp » Table: ref_faculty

Showing rows 0 - 15 (16 total, Query took 0.0007 seconds.)

SELECT * FROM `ref_faculty`

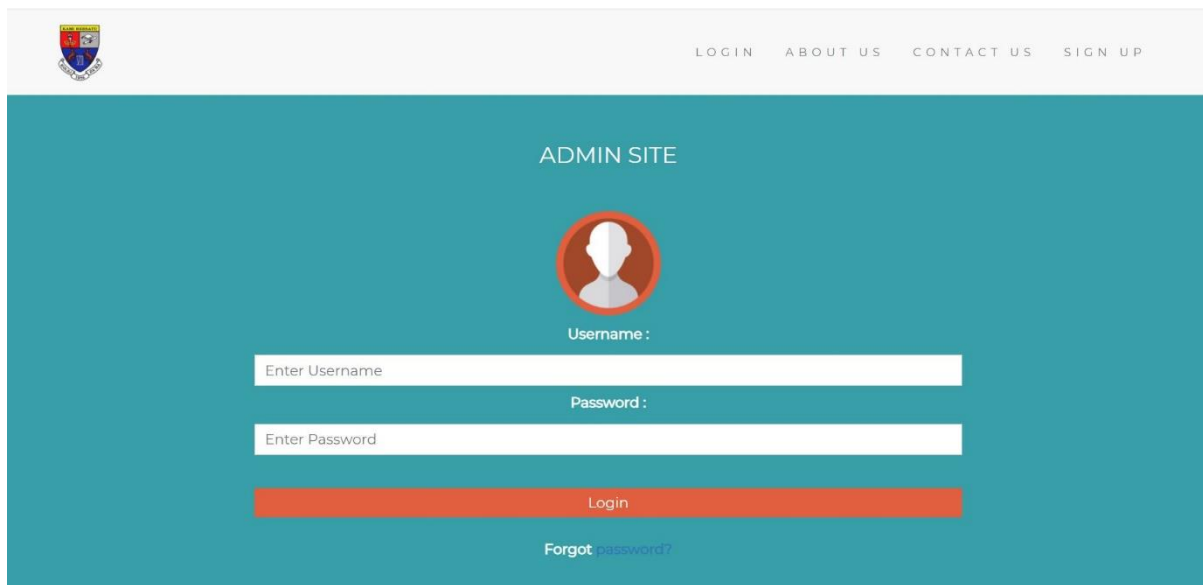
Number of rows: 25 Filter rows: Search this table Sort by key: None

	rf_id	rf_faculty	rf_status_value
<input type="checkbox"/> Edit Copy Delete	1	AKADEMI PENGAJIAN ISLAM	1
<input type="checkbox"/> Edit Copy Delete	2	AKADEMI PENGAJIAN MELAYU	1
<input type="checkbox"/> Edit Copy Delete	3	FAKULTI ALAM BINA	1
<input type="checkbox"/> Edit Copy Delete	4	FAKULTI BAHASA DAN LINGUISTIK	1
<input type="checkbox"/> Edit Copy Delete	5	FAKULTI EKONOMI DAN PENTADBIRAN	1
<input type="checkbox"/> Edit Copy Delete	6	FAKULTI KEJURUTERAAN	1
<input type="checkbox"/> Edit Copy Delete	7	FAKULTI PENDIDIKAN	1
<input type="checkbox"/> Edit Copy Delete	8	PUSAT KEBUDAYAAN	1
<input type="checkbox"/> Edit Copy Delete	9	PUSAT SUKAN	1
<input type="checkbox"/> Edit Copy Delete	10	FAKULTI PERGIGIAN	1
<input type="checkbox"/> Edit Copy Delete	11	FAKULTI PERNIAGAAN DAN PERAKAUNAN	1
<input type="checkbox"/> Edit Copy Delete	12	FAKULTI SAINS	1
<input type="checkbox"/> Edit Copy Delete	13	FAKULTI TEKNOLOGI DAN SAINS SOSIAL	1

Number of rows: 25 Filter rows: Search this table Sort by key: None

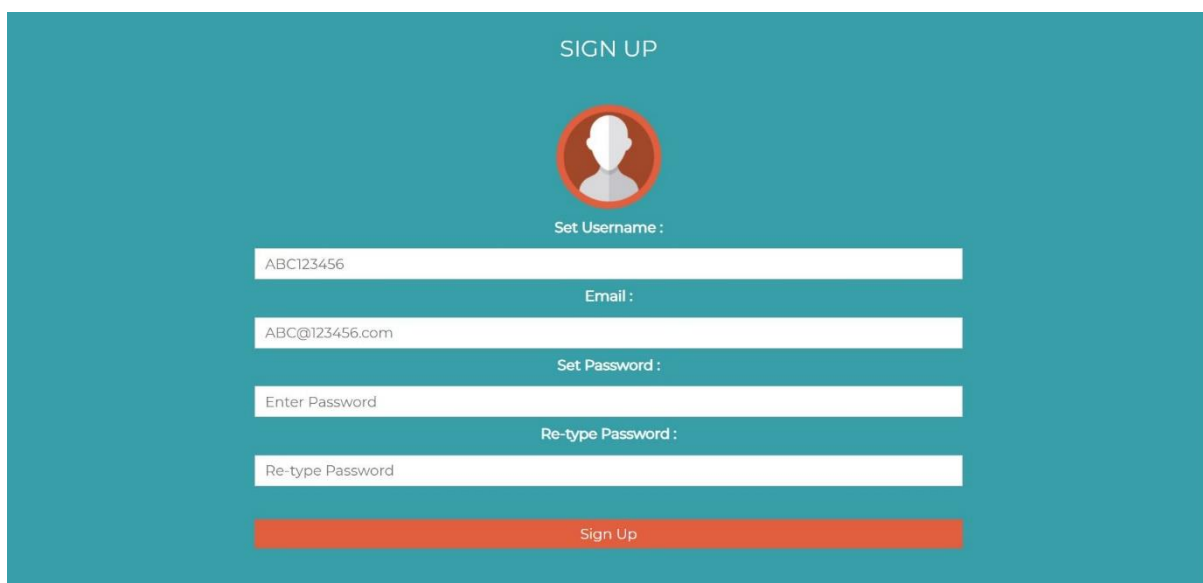
This is how information is organized and stored in the database.

Admin Interface



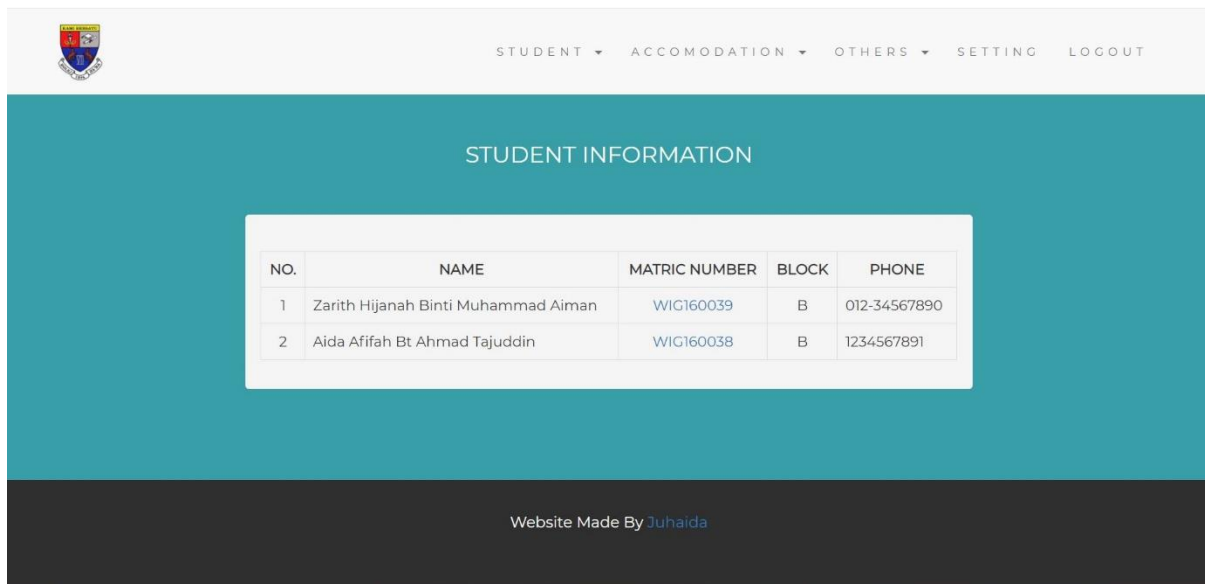
The image shows the 'ADMIN SITE' login page. At the top left is a university crest. At the top right are links: LOGIN, ABOUT US, CONTACT US, and SIGN UP. The main heading is 'ADMIN SITE'. Below it is a user icon. The form includes a 'Username :' label with an input field containing 'Enter Username', a 'Password :' label with an input field containing 'Enter Password', and an orange 'Login' button. A link 'Forgot password?' is at the bottom.

This is the front page of the admin interface, which is the user login section. Basically, the front page of the admin interface is the same as the student interface.

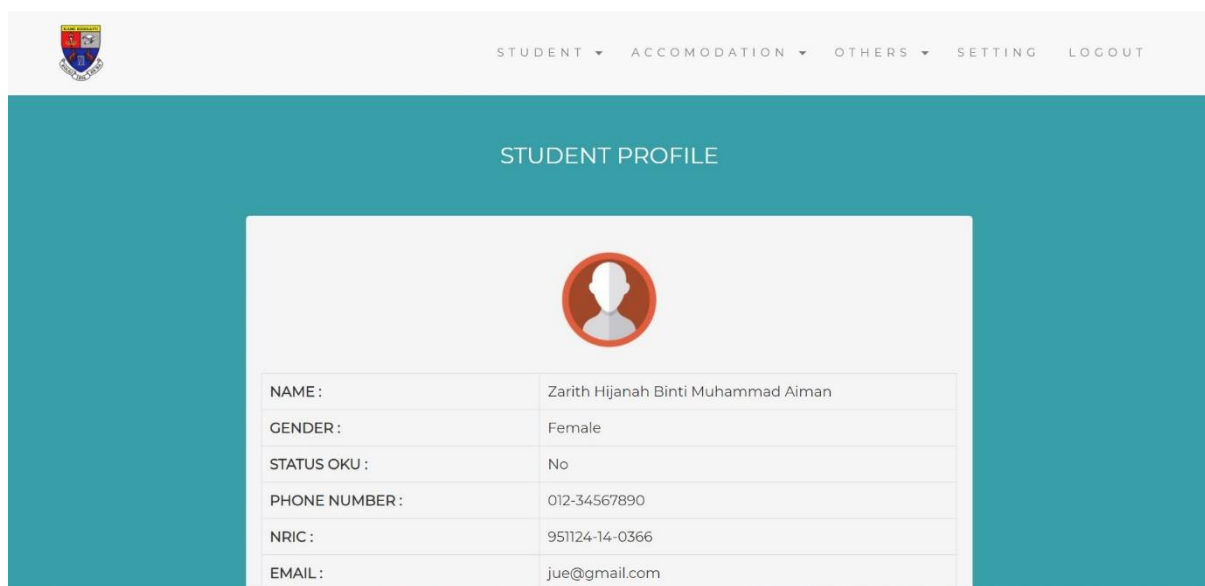


The image shows the 'SIGN UP' page. It features a user icon and a form with the following fields: 'Set Username :' with input 'ABC123456', 'Email :' with input 'ABC@123456.com', 'Set Password :' with input 'Enter Password', and 'Re-type Password :' with input 'Re-type Password'. An orange 'Sign Up' button is at the bottom.

Admin needs to sign up first before logging into the system. The number of admins that can enter the system is controlled by the web developer.



After logging in, the admin will be navigated to the student information section. Admin can find out the information of students who enroll in residential colleges by clicking on the blue matrix number.




This is student information that has been registered into the system.

ROOM & ELECTRICAL APPLIANCES			
BLOCK :	Berlian		
ROOM :	101		
ELECTRICAL APPLIANCES :	Computer/Laptop		
	Printer/Scanner		
CHECK-IN DATE:	20210211	CHECK-IN TIME:	214327
CHECK-OUT DATE:	0	CHECK-OUT TIME:	0

Website Made By [Juhaida](#)

If the student wants to return the room key to the college, the admin needs to scroll down in the student's personal information section and click the checkout button. The checkout date and time will be entered into the system automatically after admin clicks the button.


STUDENT ▾ ACCOMODATION ▾ OTHERS ▾ SETTING LOGOUT

ADD STUDENT

Please enter student matric to allow user sign up into the system

Session :

--- PLEASE SELECT ---

▼

Matric :

ENTER STUDENT MATRIC

ADD


List of student matric number :

STUDENT MATRIC :	WIG160038
	WIG160039

In the add student section, admin can enter the matrix number of students who can check in at the residential college according to the session.

Manage Room			
<div>Block A Block B Block C Block D</div>			
NO.	ROOM NUMBER :	ACTION :	OKU :
1	101	✓	Bukan Bilik OKU
2	101	✓	Bukan Bilik OKU
3	101	✓	Bukan Bilik OKU
4	102	✓	Bukan Bilik OKU
5	102	✓	Bilik OKU
6	102	✓	Bilik OKU
7	103	✓	Bukan Bilik OKU

In the manage room, admin is given to determine oku student room and regular student room.



STUDENT ▾ ACCOMODATION ▾ OTHERS ▾ SETTING LOGOUT

ADD BLOCK AND ROOM

Block:

--- PLEASE SELECT --- ▾

Room Number:

EG : 101, 102

ADD

Admin can also increase the number of blocks and rooms available in residential colleges.

Existing room number

Block A

Block B

Block C

Block D

OKU Male

OKU Female

ROOM NUMBER :	ROOM STATUS :
101	0
101	0
101	1
102	1
103	0
103	0
104	0
104	0
104	0
105	0

The number of rooms and blocks registered will be displayed in this space. Admin can also see if the room is already occupied or not.

ROOM HISTORY

Session :

--- Please Select ---

SEARCH

Block A

Block B

Block C

Block D

OKU Male

OKU Female

NO.	ROOM NUMBER	NAME	MATRIC NUMBER	PHONE
1	101	Zarith Hijanah Binti Muhammad Aiman	WIG160039	012-34567890
2	102	Aida Afifah Bt Ahmad Tajuddin	WIG160038	1234567891

In the room history section, the admin can see the information of the students occupying the room in the previous session.

MANAGE ELECTRICAL APPLIANCES

Add electrical appliances :

List of electrical appliances :

NO.	LIST ITEM :	ACTION :
1	Computer/Laptop	<input type="button" value="Enable"/>
2	Printer/Scanner	<input type="button" value="Enable"/>
3	Radio	<input type="button" value="Disable"/>
4	Hair dryer	<input type="button" value="Disable"/>
5	Fan	<input type="button" value="Disable"/>

Admin can manage and add types of electrical goods if necessary in this section.

STUDENT ▾
ACCOMODATION ▾
OTHERS ▾
SETTING
LOGOUT

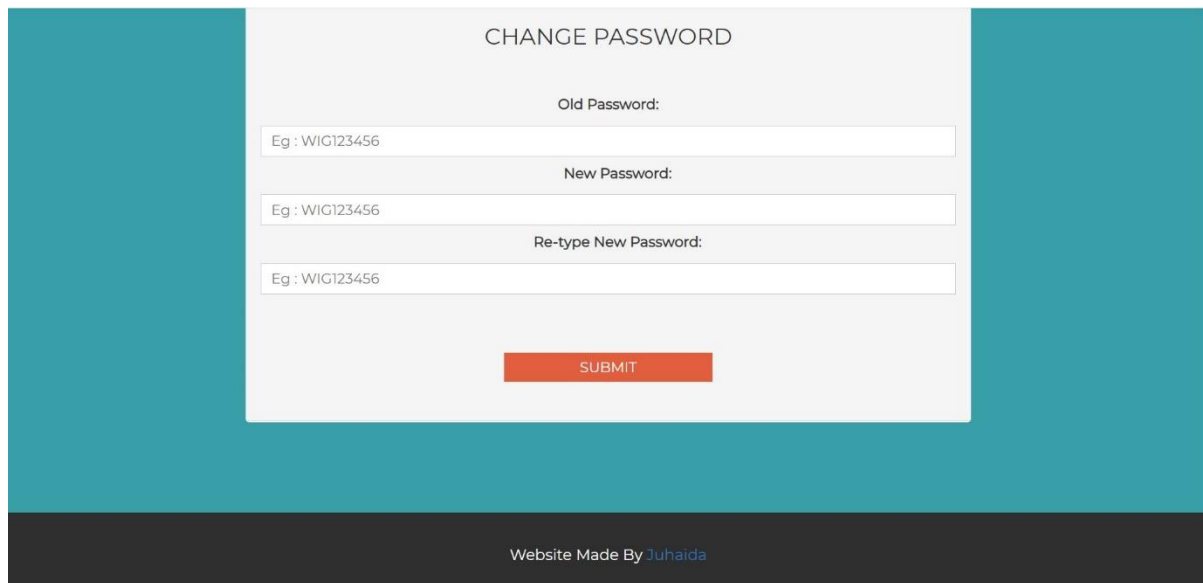
MANAGE ELECTRICAL APPLIANCES

Add session :

List of session :

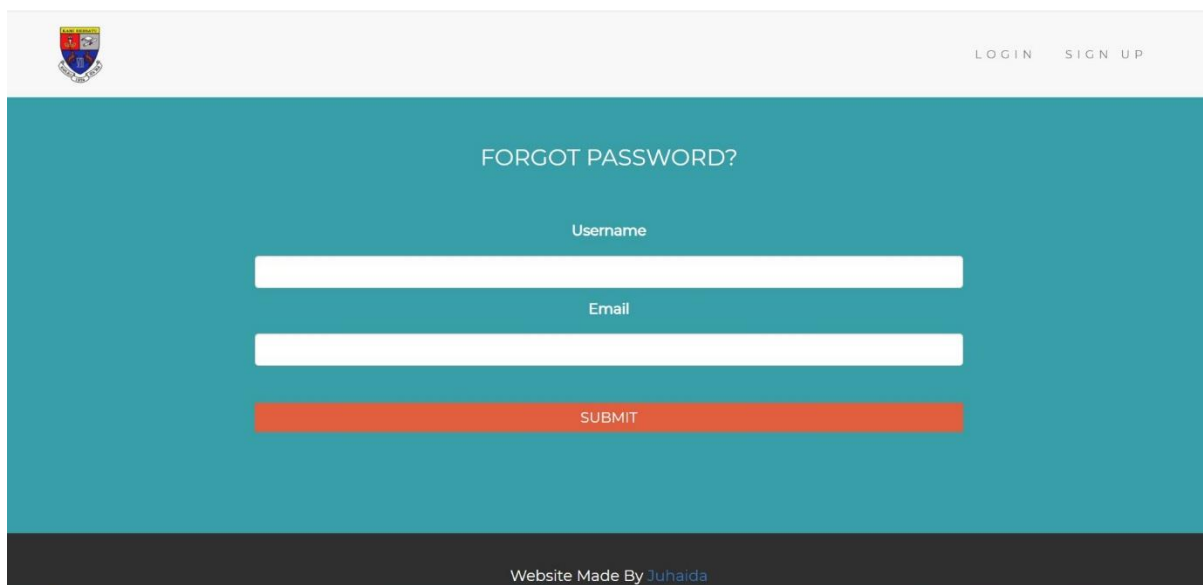
NO.	LIST SESSION :	ACTION :
1	I 2020/2021	<input type="button" value="Disable"/>
2	II 2020/2021	<input type="button" value="Enable"/>
3	I 2021/2022	<input type="button" value="Enable"/>

Admin can also manage and add sessions if necessary.



A screenshot of a web form titled "CHANGE PASSWORD". The form is centered on a teal background. It contains three input fields, each with a placeholder text "Eg : WIG123456". The labels for the fields are "Old Password:", "New Password:", and "Re-type New Password:". Below the fields is a red "SUBMIT" button. At the bottom of the page, there is a dark grey footer with the text "Website Made By [Juhaida](#)".

Just like the student interface, the admin can change the password if necessary.



A screenshot of a web form titled "FORGOT PASSWORD?". The form is centered on a teal background. It contains two input fields with labels "Username" and "Email". Below the fields is a red "SUBMIT" button. At the top left of the page is a small crest logo. At the top right, there are links for "LOGIN" and "SIGN UP". At the bottom of the page, there is a dark grey footer with the text "Website Made By [Juhaida](#)".

Admin can enter the requested information if forgotten password. New passwords will be sent directly to the user's email.