



**SUBMISSION OF
CSC584 ENTERPRISE PROGRAMMING
SEMESTER MARCH 2024
GROUP PROJECT REPORT (Part 2 - 30 %)**

THEME : CAMP MANAGEMENT SYSTEM

TITLE : BONFIRE CAMP MANAGEMENT SYSTEM

GROUP NO./NAME : GROUP 2

DATE OF SUBMISSION : 9 JULY 2024

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*All file formats must be standardized as
Group_Project2_GroupLeaderName_GroupleaderStudentID.pdf and then zip.*

*Example: M3CS246xx_P2_SitiNur_2021312312.pdf
and M3CS246xx_P2_SitiNur_2021312312.zip*

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Note: Submit soft copy of final report in PDF and source code in ZIP file via Google Classroom. Marks will be deducted if you do not follow the requirements.

Score Sheet

			Comments
Security			
▲ Input form validation	/4		
▲ Session Management	/4		
Total 1		/8	
Functionality			
▲ 1: Create /Read	/4		
▲ 3: Update	/4		
▲ 4: Delete	/4		
▲ 5: Report (Analysis)	/4		
Total 2		/1 6	
Usability of user interface			
▲ Screen Design	/4		
▲ As per User-Required (User-Friendly)	/4		
Total 3		/8	
Others			
▲ Creativity	/4		
▲ Presentation	/4		
Total 4		/8	
Grand Total		/40	

Overall Comments:**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 validated.	Sessions management is well managed. Form is well verified and validated.
Functionality (CRUD-CREATE, read, update, delete)	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.

Job Assignment

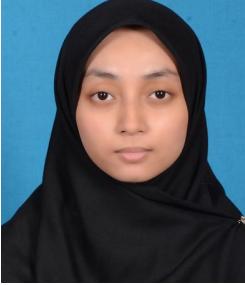
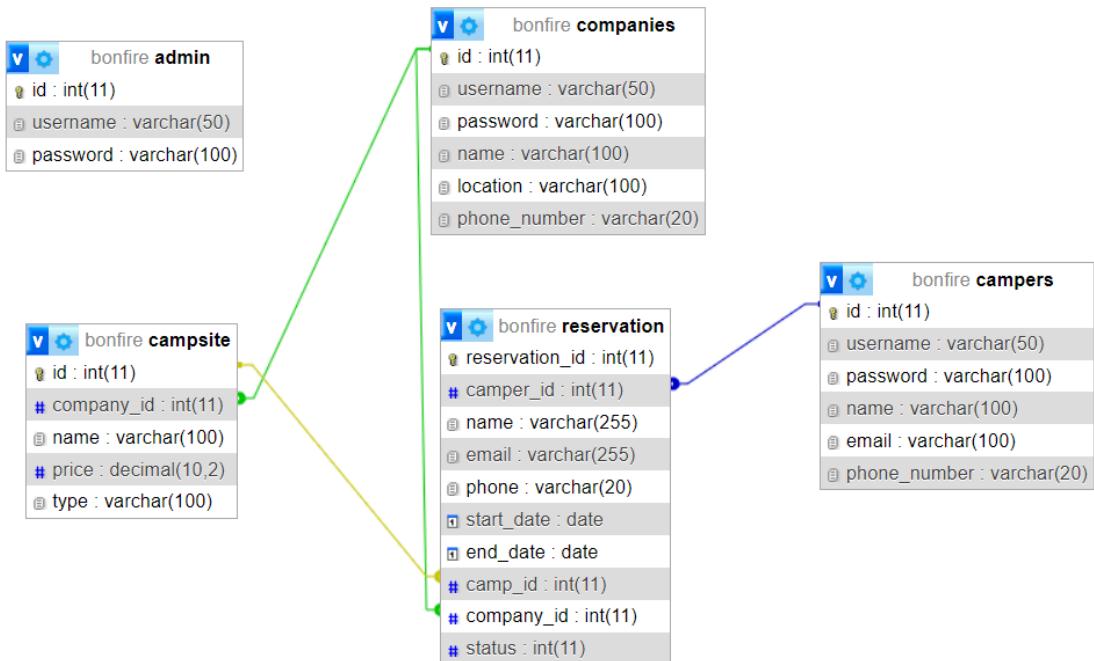
No.	Picture	ID and Name	Task
1.		2023624314 AISY BATRISYIA BINTI ABD WAHID	Lead Designer
2.		2023686282 SYAFIQAH RUZANA BINTI SAZALI	Lead Programmer
3.		2023867516 NOOR AISYA AINA BINTI AZAHAN	Team Leader
4.		2023479288 HANIS MAZRAH BINTI OTHMAN	Lead Documenter

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1.0 Final Database Design



The following will describe the tables.

1.1

Admin

Attribute		Description	Type
ADMIN_ID	PK	Admin Id	INT
ADMIN_USERNAME		Admin username	VARCHAR
PASSWORD		Admin Password	VARCHAR

1.2

Campsite Company

Attribute		Description	Type
COMP_ID	PK	Company Id	INT
COMP_USERNAME		Company Username	VARCHAR
COMP_LOCATION		Company Location	VARCHAR
COMP_NAME		Company Name	VARCHAR
COMP_PNUM		Company Phone Number	VARCHAR
COMP_PSWD		Company Password	VARCHAR

1.3

Campsite

Attribute		Description	Type
CAMP_ID	PK	Campsite Id	INT
CAMP_NAME		Campsite name	VARCHAR
CAMP_PRICE		Campsite price	DOUBLE
CAMP_TYPE		Campsite type	VARCHAR
COMP_ID	FK	Company Id	INT

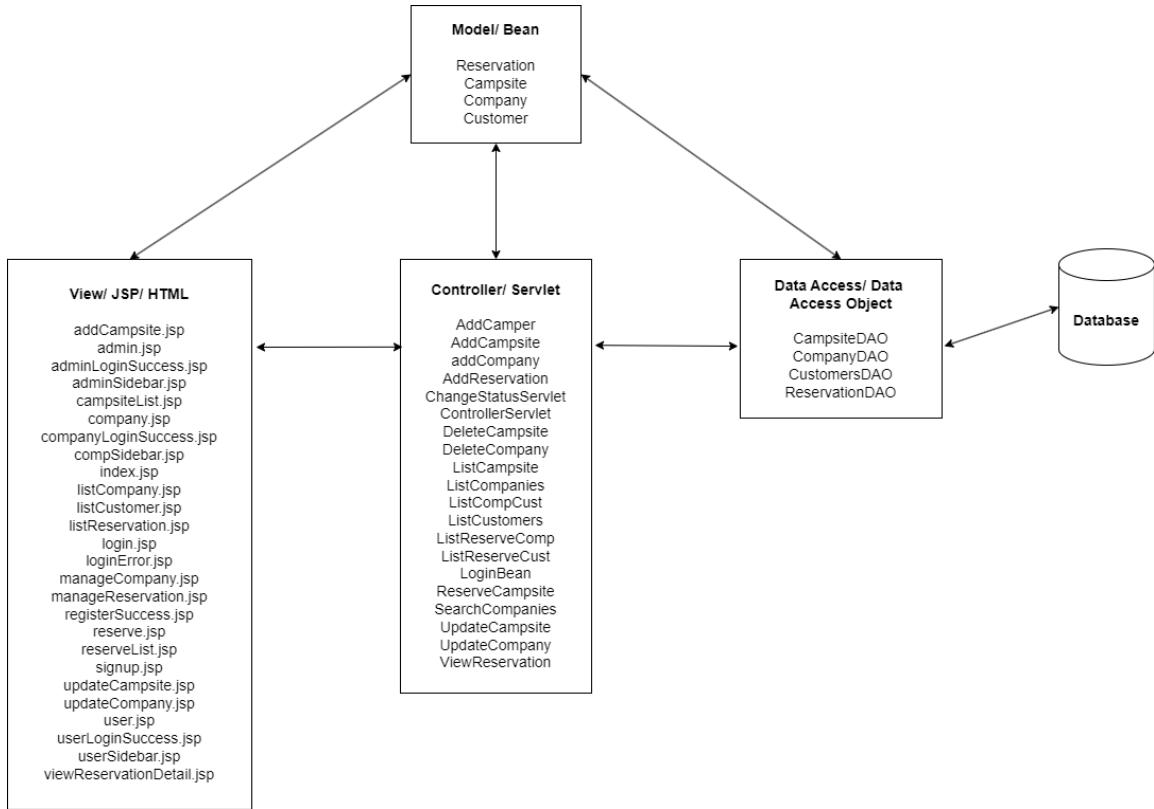
1.4 Camper

Attribute		Description	Type
CAMPER_ID	PK	Camper Id	INT
CAMPER_USERNAME		Camper Username	
CAMPER_NAME		Camper Name	CHAR
EMAIL		Camper Email	VARCHAR
PASSWORD		Camper Password	VARCHAR
PHONE_NUM		Camper Phone Number	INT

1.5 Reservation

Attribute		Description	Type
RESERVATION_ID	PK	Reserve Id	INT
CAMPER_ID	FK1	Camper Id	INT
CAMPER_NAME		Camper Name	VARCHAR
EMAIL		Camper Email	VARCHAR
PHONE_NUM		Camper Phone Number	VARCHAR
COMP_ID	FK2	Company Id	INT
START_DATE		Reservation Start Date	DATE
END_DATE		Reservation End Date	DATE
CAMP_ID	FK3	Campsite Id	INT
STATUS		Reservation Status	INT

2.0 MVC Framework Design



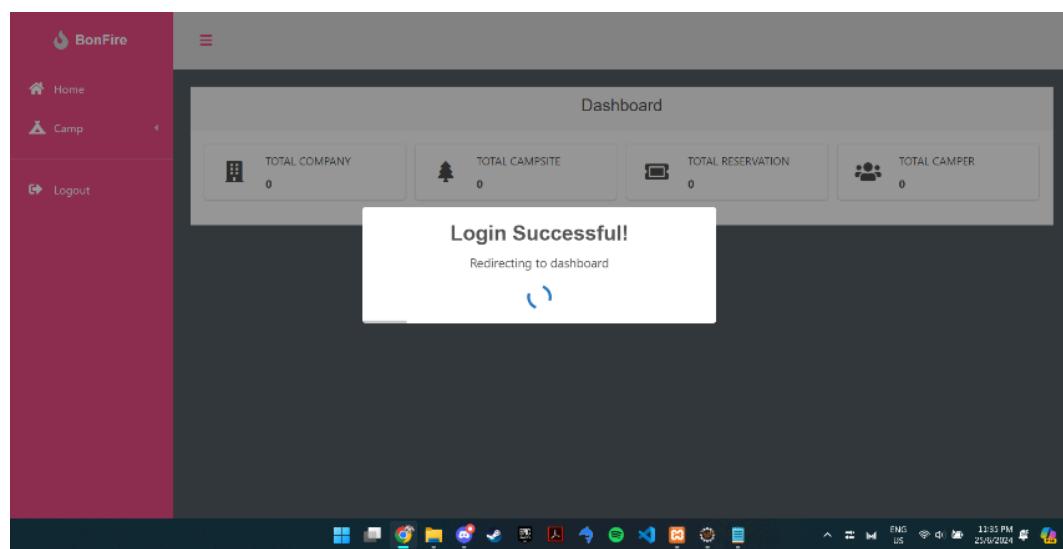
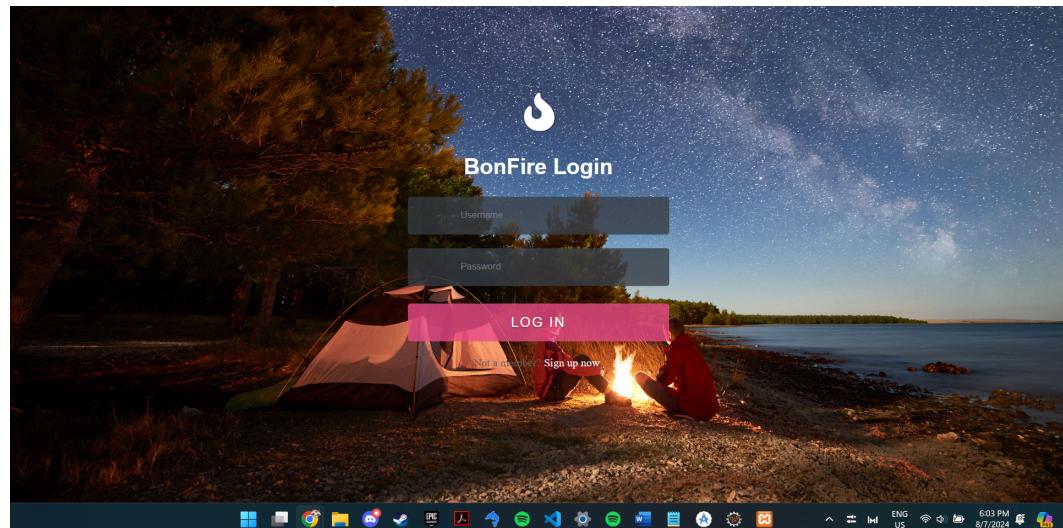
The Bonfire Camp Management System uses an MVC framework design, consisting of JavaBeans for data and business logic, HTML files and JavaServer Pages for user data generation, and servlets for data management. The Model/Bean portion includes entities like Reservation, Campsite, Company, and Customer, while the View section includes HTML files and JavaServer Pages. The Controller portion manages client requests and handles data retrieval and display. The MVC architecture promotes ease of maintenance.

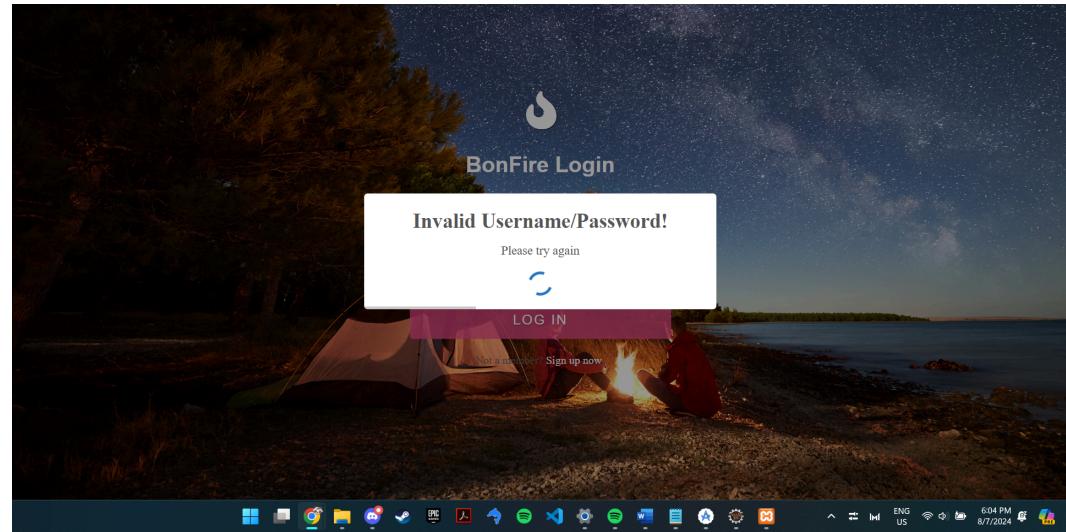
**USER MANUAL
BONFIRE CAMP MANAGEMENT SYSTEM**

1. All Account

1.1. Login

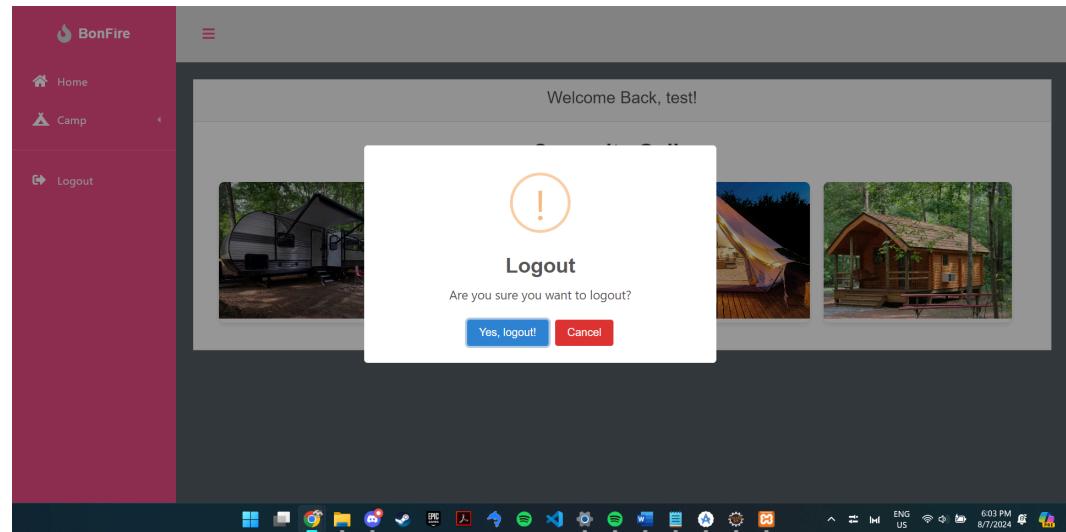
User enters username and password then clicks the login button. Login successfully will pop up and will be directed to the admin page. If the user enters the wrong username or password then click the login button. Login unsuccessful will pop up and will be directed back to the login page.

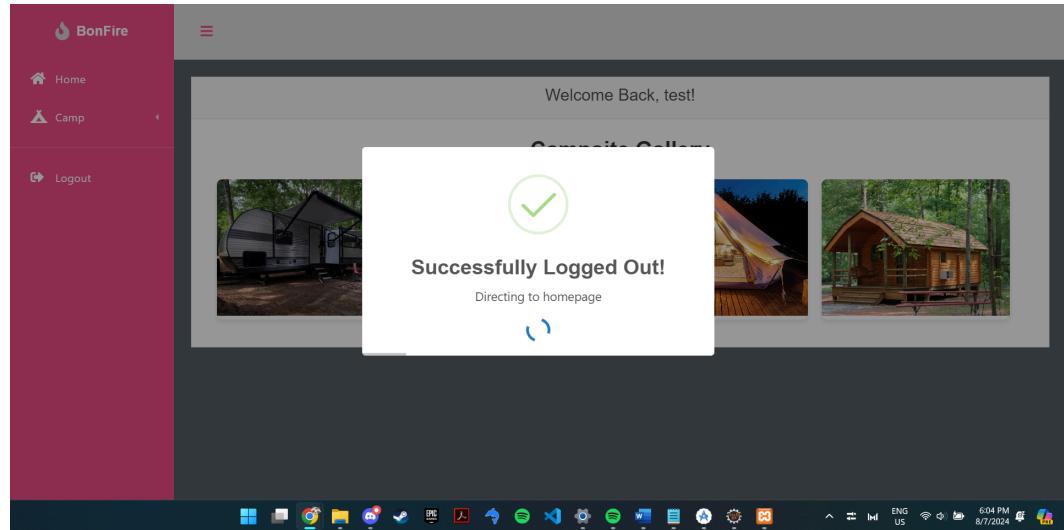




1.2. Logout

Users click logout and when confirmation will be popup, user enter yes, then user will logout and be directed to the homepage. Confirmation and successful logout will pop up.

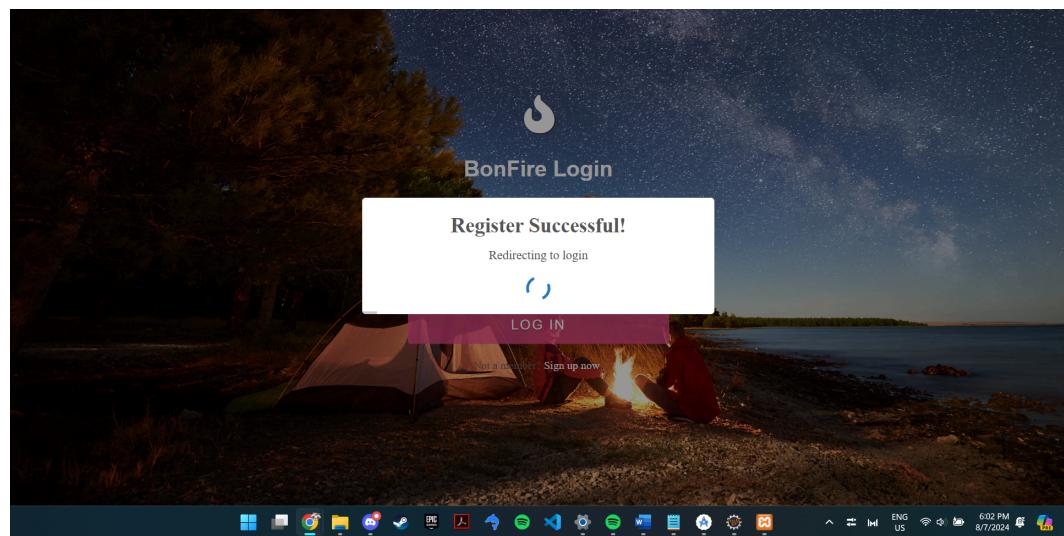
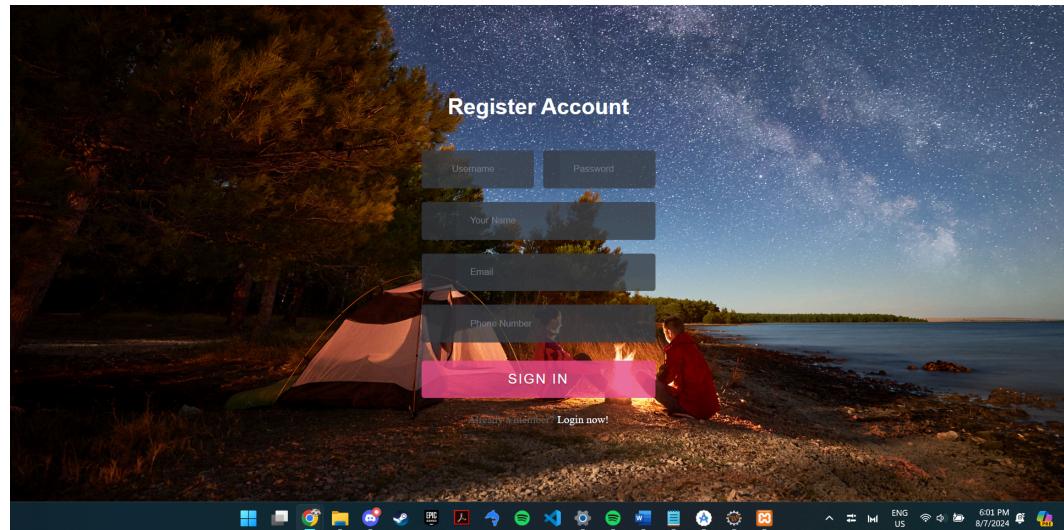




2. Campers

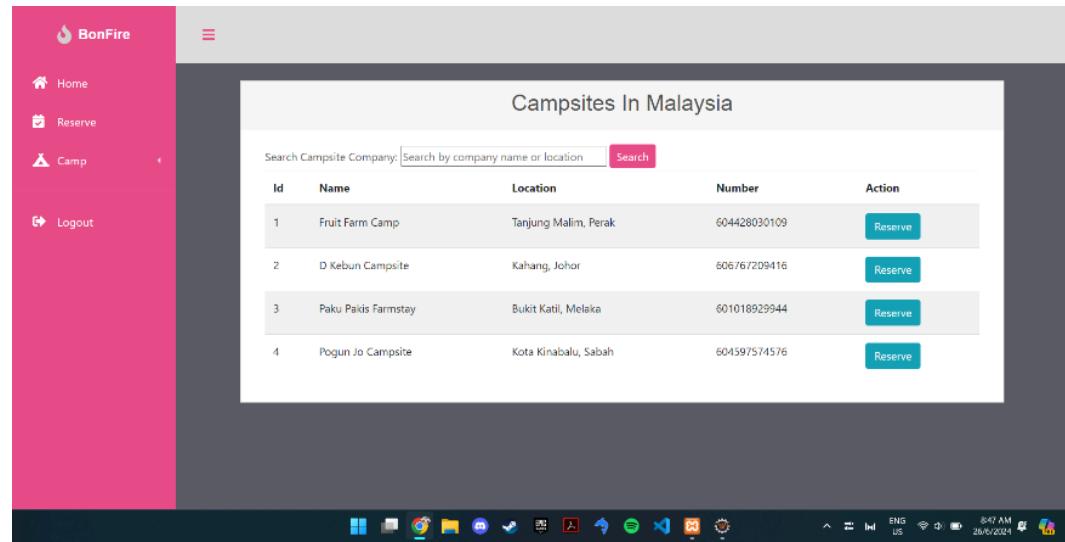
2.1. Registration Page

Users click the register button then it will display the register page. Next, users need to enter their details in the registration form. Users must enter the email, username and password. After that, it will pop up a 'Register Successful' and redirect to the Login page. Register successfully will pop up then redirect to the login page. Users click the register button then it will display the register page. Next, users need to enter their details in the registration form. Users' typo when entering the email, username and password. After that, it will pop up a 'Register Unsuccessful' and redirect to the Register page. Register unsuccessfully will pop up then redirect to the registration page.



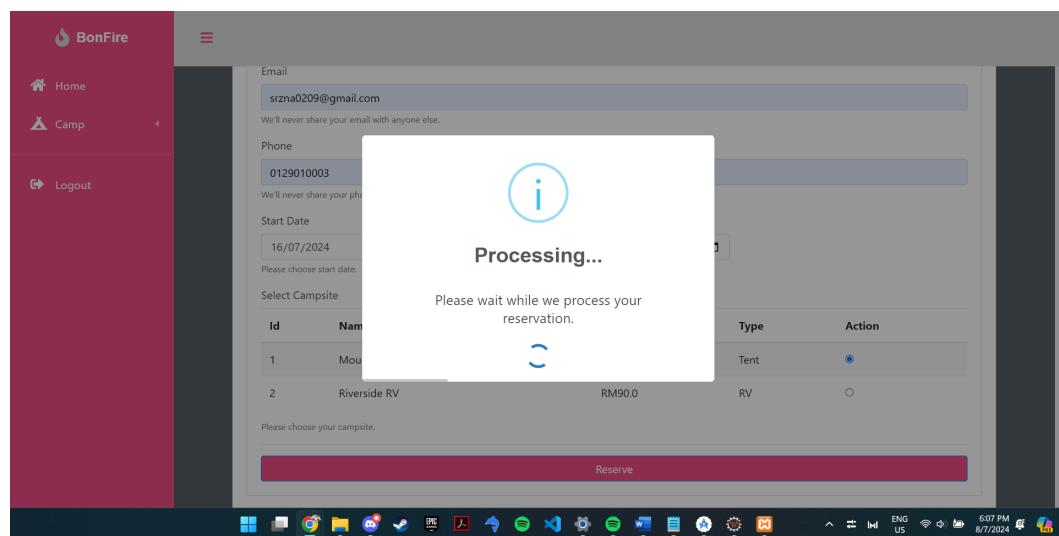
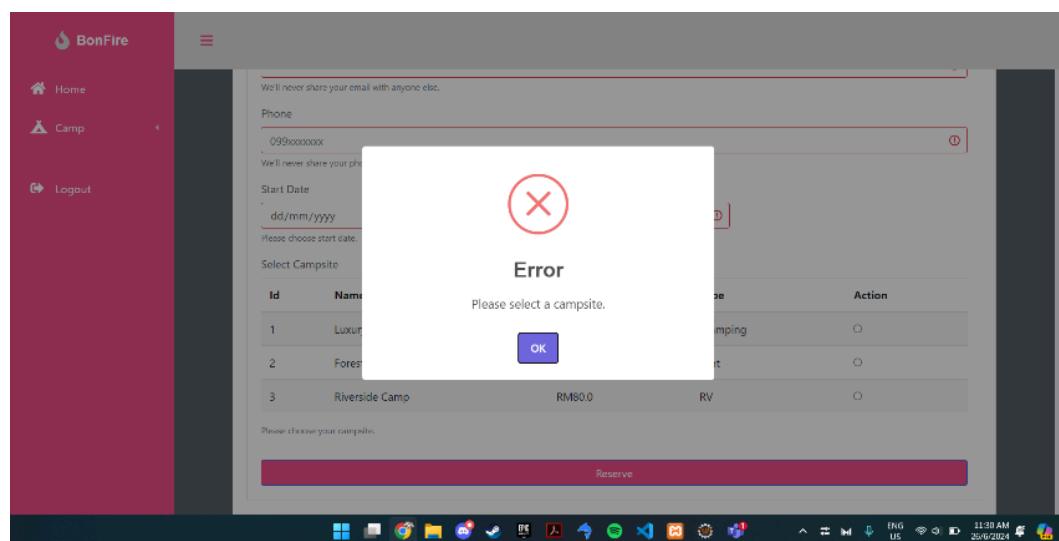
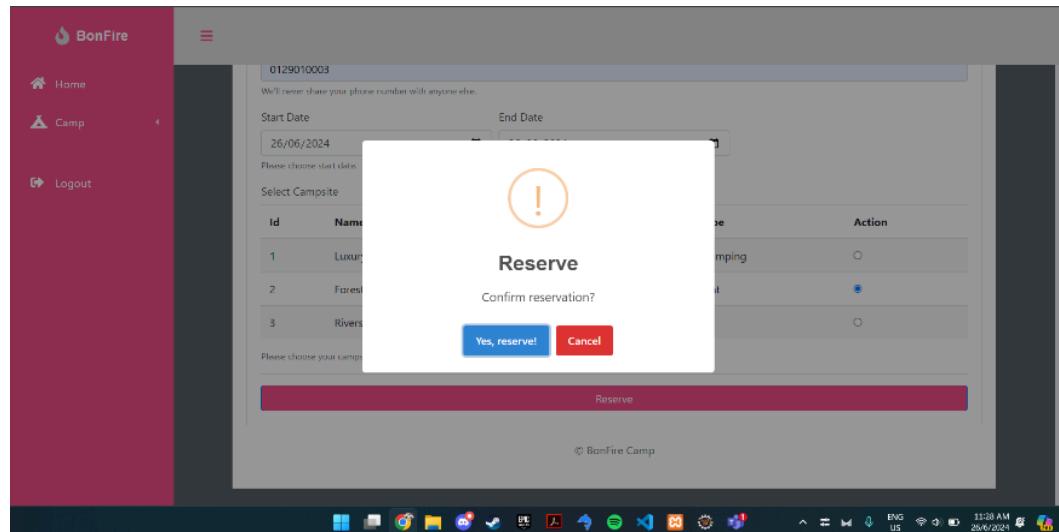
2.2. Search Page

Camper enters any relevant keywords in the search bar. Camper clicks the “Search” button. The system will display an updated table that matches the keywords. Camper enters any unrelated keywords in the search bar. Camper clicks the “Search” button. The system will display an updated table that matches the keywords. Campers will click on the “Reserve” button on the Campsite List Page.



2.3. Reservation Page

Campers will enter reservation details in the form such as name, email, phone number, start date, end date. Campers will choose campsite type by selecting a radio button. Campers will click the “Reserve” button after entering all the reservation details. System will display a message “Reservation Successful”. If the Camper did not select a radio button choice for campsite type, the camper will click the “Submit” button after all the reservation details. System will display a message “Error: Please select a campsite”.



The screenshot shows a Windows desktop environment with a pink sidebar on the left labeled "BonFire". The main area displays a "BonFire Booking Form" titled "BonFire Booking Form". A red error message box at the top states: "The selected dates are already booked." Below this, there are input fields for Name, Email, and Phone, each with placeholder text. There are also date selection fields for Start Date and End Date. At the bottom right of the form, there is a "Back to Reservation List" button.

2.4. View Booking Details

After reservation, campers can see their booking details in the form of an invoice. There, campers can check their booking details that includes, reservation ID, camper name, camper email, phone number, company name, start and end date, the campsite location, reservation status and price. Afterward, the can press "Back to Reservation List" Button.

The screenshot shows a Windows desktop environment with a pink sidebar on the left labeled "BonFire". The main area displays an "Invoice" view titled "Invoice". It lists the following booking details:

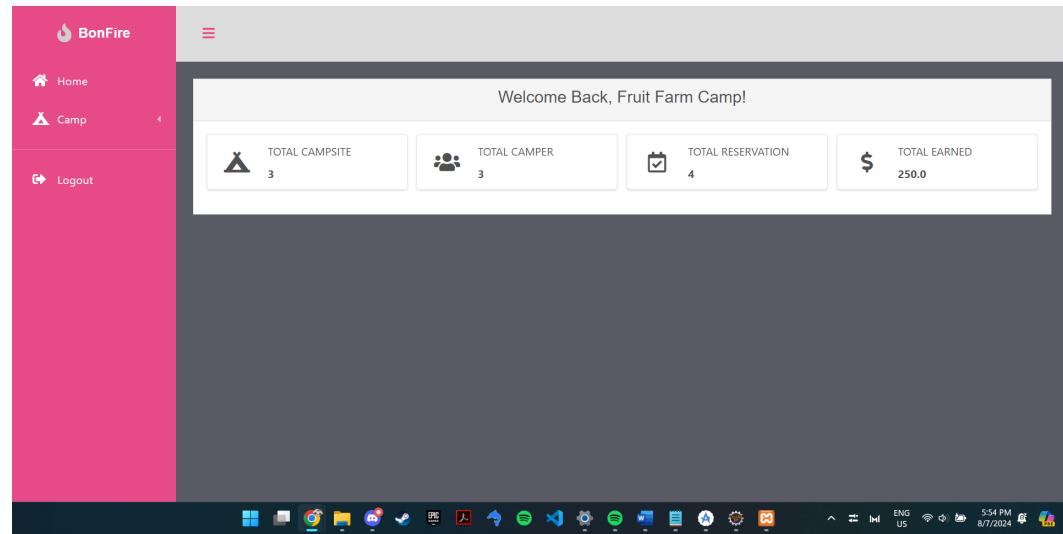
Reservation ID: 18	Start Date: 2024-07-02
Camper Name: Sapiqoh	End Date: 2024-07-02
Email: sapiqoh@gmail.com	Campsite: Paku Riverside
Phone: 0129010003	Status: Confirmed
Company Name: Paku Pakis Farmstay	Price: 50.0

At the bottom of the invoice view, there is a "Back to Reservation List" button.

3. Campsite Company

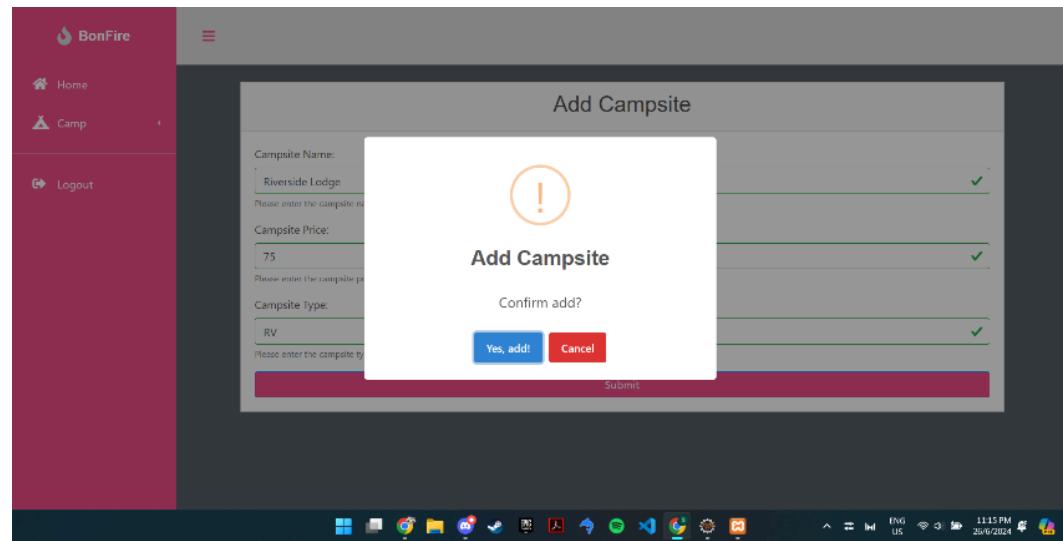
3.1. Dashboard

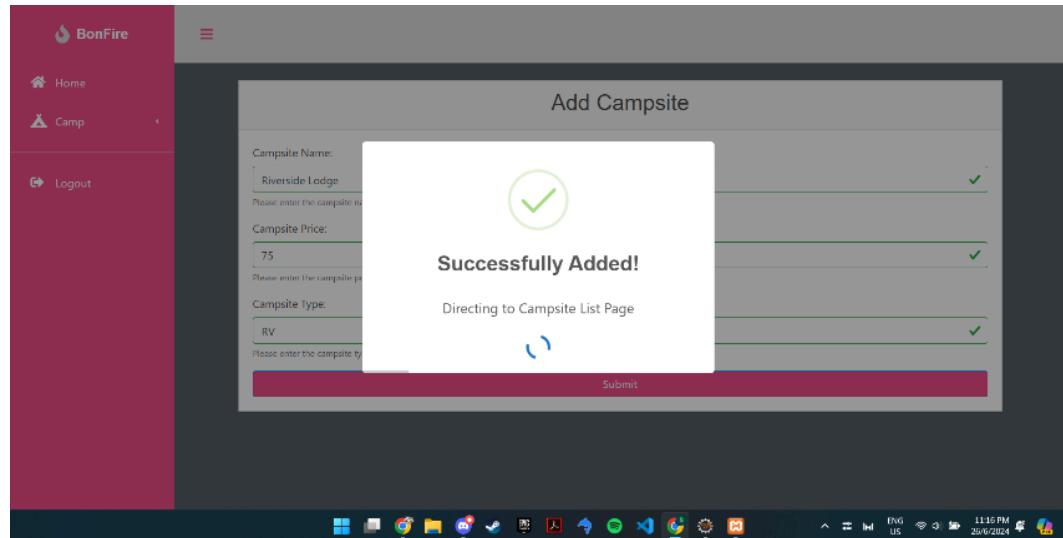
Logging in as a campsite company will redirect to the dashboard that shows the total campsite, total camper, total reservation and total earned.



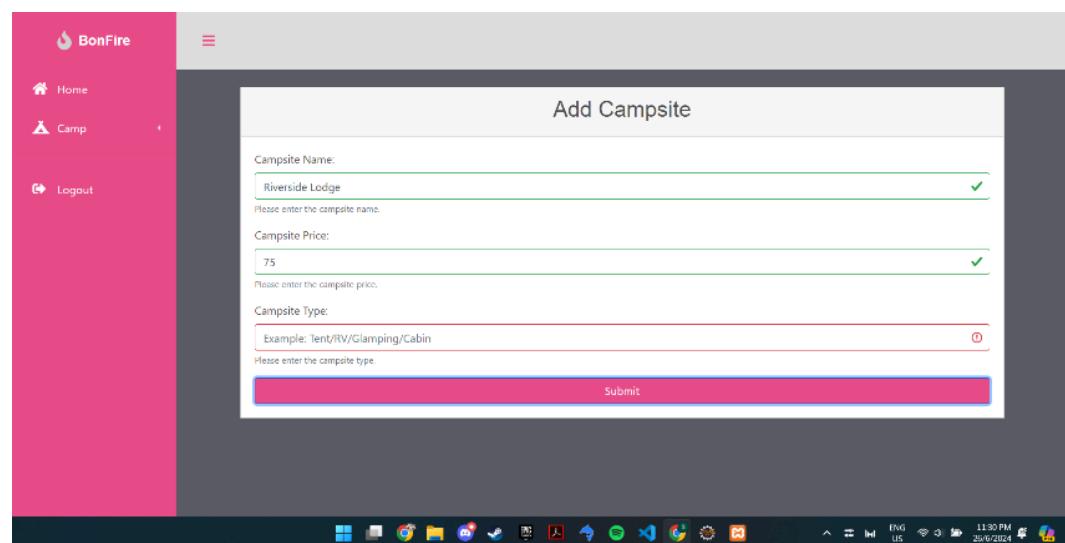
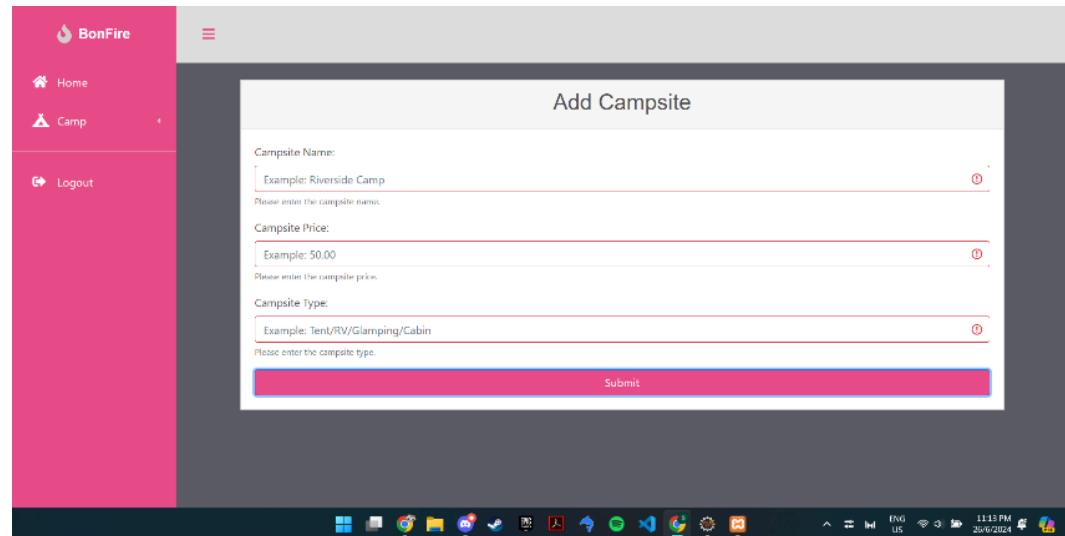
3.2. Manage Campsite (Add, Edit & Delete)

Company will click on the “Add Campsite” button on the Campsite Page. Company will enter campsite details in the form Name, Price and Type. Company will click the “Save” button after entering all the campsite details. System will display a message “Campsite Added Successfully.” or System will display a message “Insufficient Input.”.

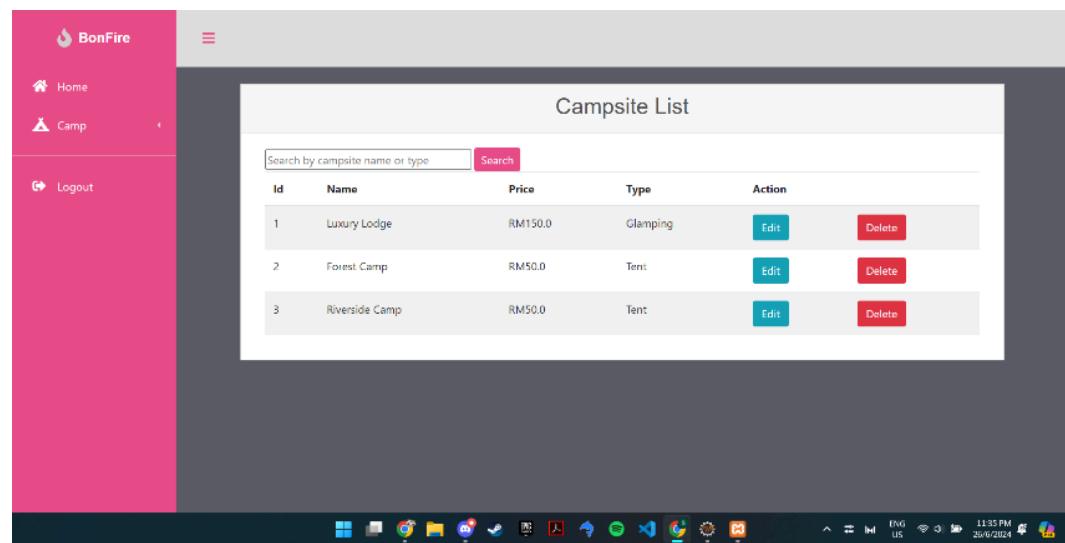
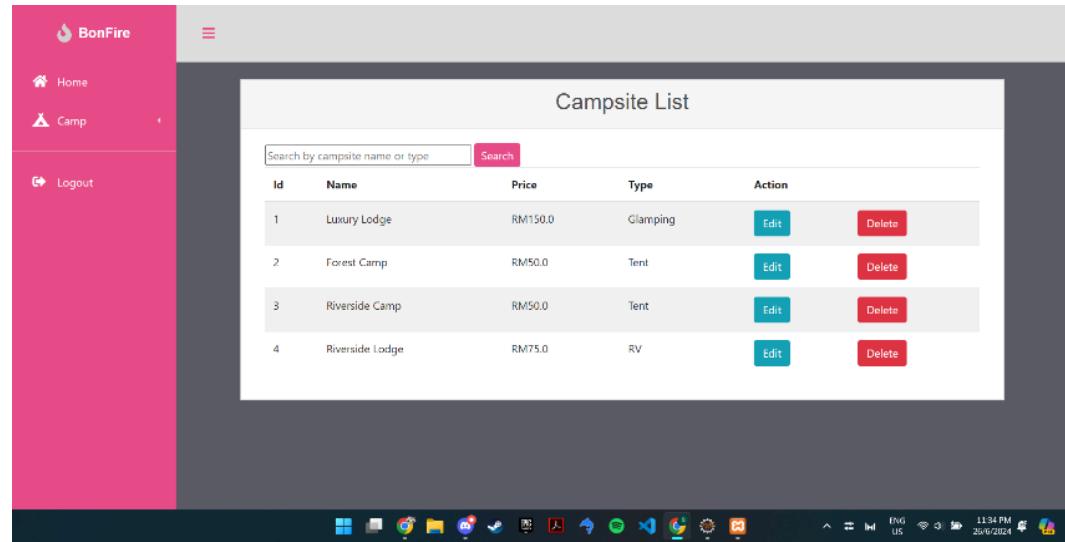




Campsite List				
Search by campsite name or type		Action		
ID	Name	Price	Type	Action
1	Luxury Lodge	RM150.0	Glamping	<button>Edit</button> <button>Delete</button>
2	Forest Camp	RM50.0	Tent	<button>Edit</button> <button>Delete</button>
3	Riverside Camp	RM50.0	Tent	<button>Edit</button> <button>Delete</button>
4	Riverside Lodge	RM75.0	RV	<button>Edit</button> <button>Delete</button>



If a company wants to delete the campsite, the company will click the "Delete" button. System will delete the campsite record and update the list.



If a company wants to edit the campsite, the company will click the “Edit” button. Company will update campsite details in the form which is, Name, Price and Type. Company will click the “Submit” button. The system will update the campsite record and update the list.

Campsite List

ID	Name	Price	Type	Action
1	Luxury Lodge	RM150.0	Glamping	Edit Delete
2	Forest Camp	RM50.0	Tent	Edit Delete
3	Riverside Lodge	RM75.0	RV	Edit Delete

Edit Campsite

Campsite Name:
Riverside Lodge
Please enter the campsite name.

Campsite Price:
75.0
Please enter the campsite price.

Campsite Type:
Cabin
Please enter the campsite type.

[Submit](#)

Campsite List

ID	Name	Price	Type	Action
1	Luxury Lodge	RM150.0	Glamping	Edit Delete
2	Forest Camp	RM50.0	Tent	Edit Delete
3	Riverside Lodge	RM75.0	Cabin	Edit Delete

3.3. View Bookings & Update Status

Company campsite can view camper's booking and update the camper booking status.

The screenshot shows a 'List Reservation' page with a table of bookings. The columns are Id, Camper, Start Date, End Date, Camp, and Status. There are four rows of data:

ID	Camper	Start Date	End Date	Camp	Status
1	Aisyah	2024-08-05	2024-08-15	Luxury Glamp	Confirmed
2	Aisyah	2024-06-11	2024-06-12	Forest Camp	Confirmed
3	aisyah	2024-07-05	2024-07-07	Forest Camp	Confirmed
4	Syafiqah Sazali	2024-07-15	2024-07-15	Forest Camp	Pending

4. Admin

4.1. Dashboard

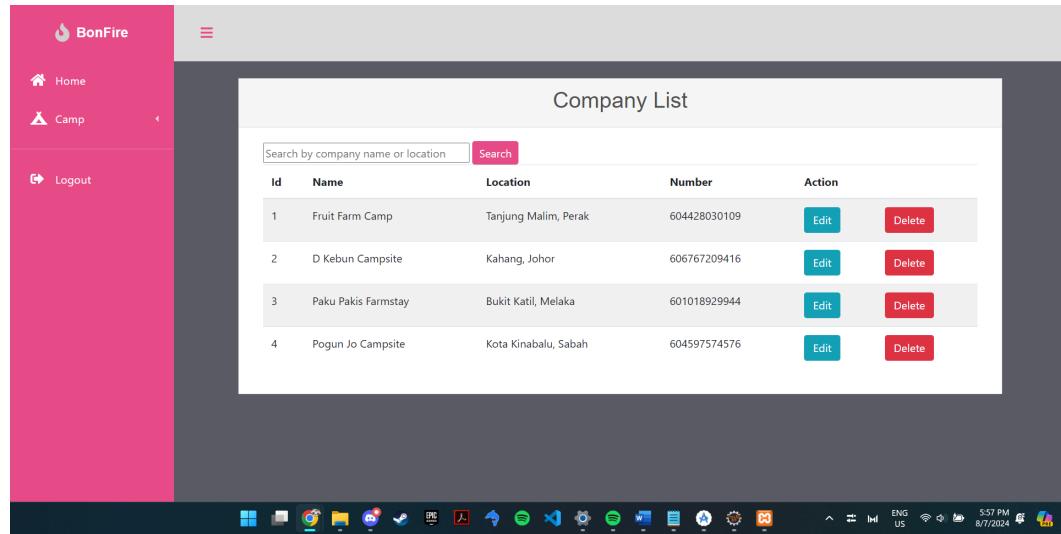
Admin will be redirected to the dashboard after logging in.

The screenshot shows the Admin Dashboard with a welcome message 'Welcome, Admin!' and four summary statistics boxes:

- TOTAL COMPANY: 4
- TOTAL CAMPSITE: 7
- TOTAL RESERVATION: 10
- TOTAL CAMPER: 3

4.2. Admin Manage Company Database (Search, Edit & Delete)

Admin can manage the company list database. Admin can search using the search bar. Admin can click on the "Edit" button to edit the company's information. Admin can click on the "Delete" button to delete records of the company's information from the database.

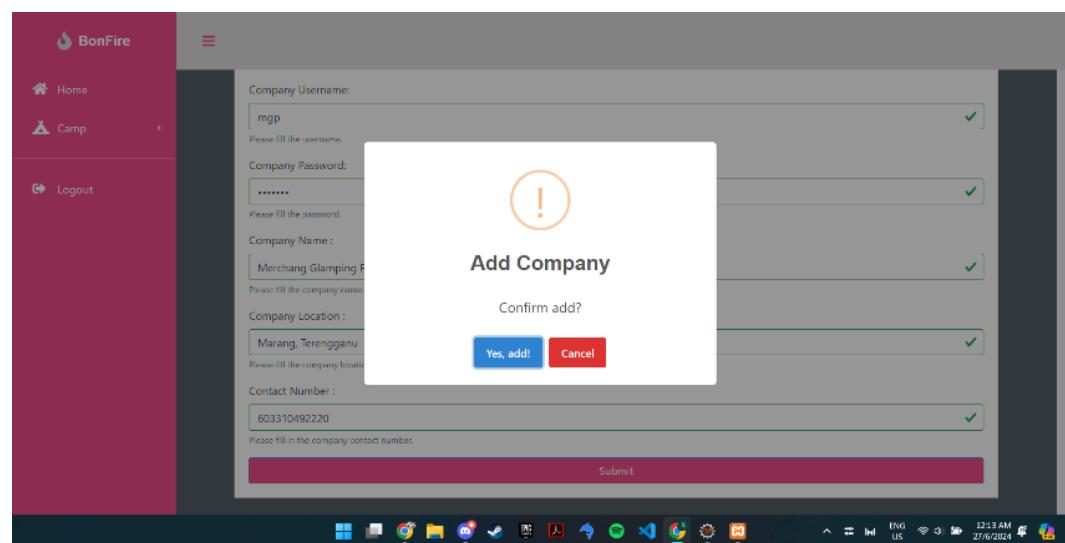
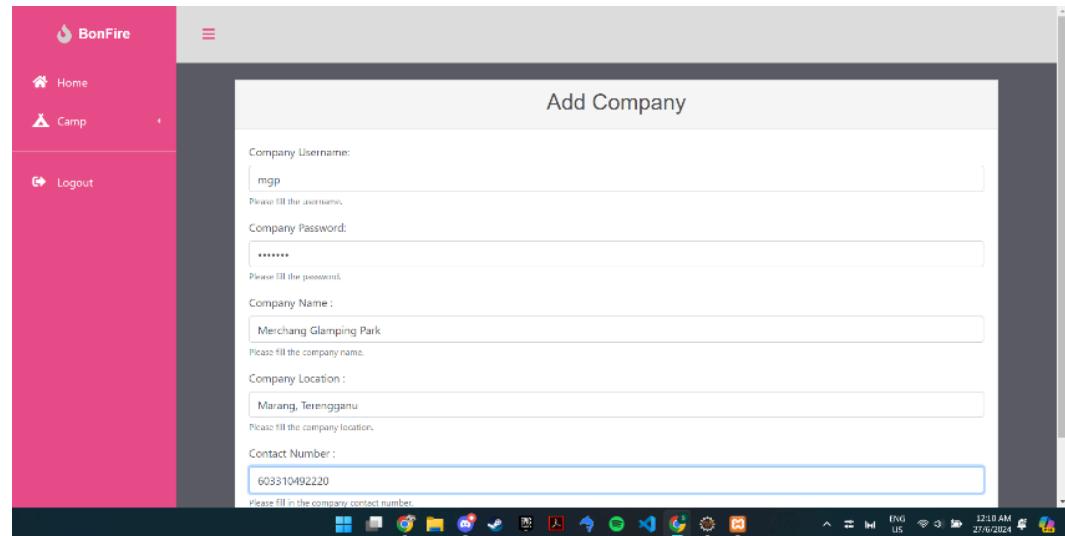


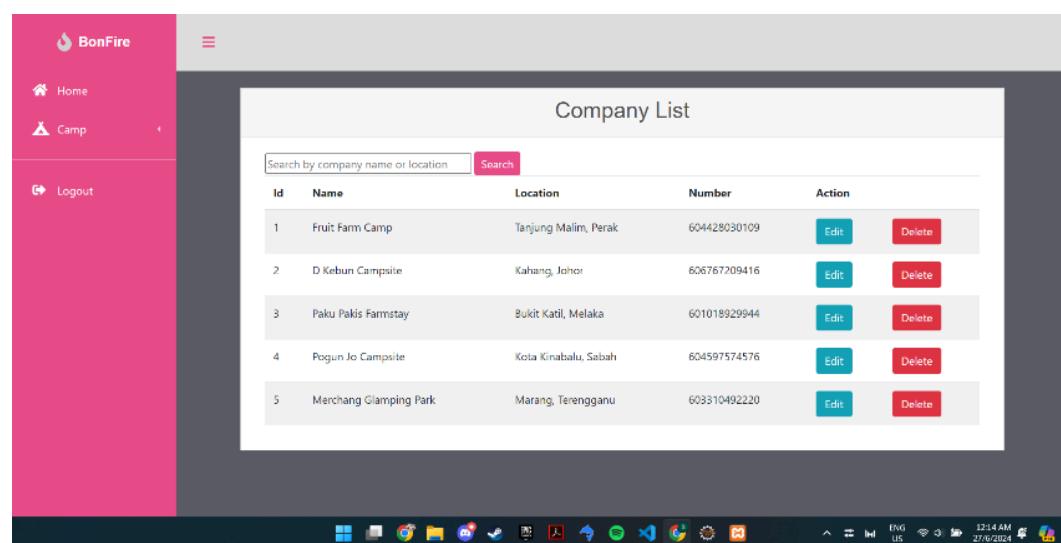
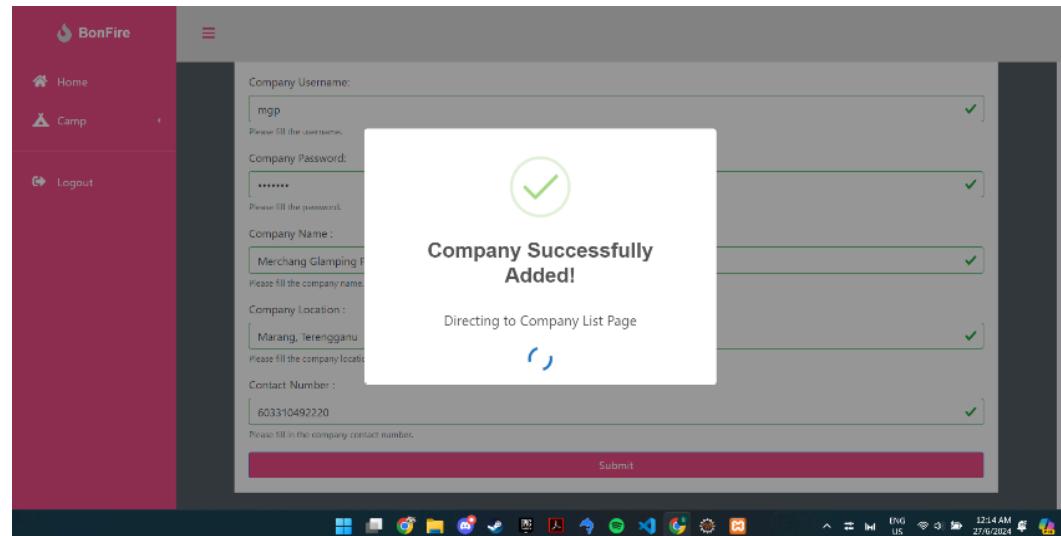
4.3. Admin Register Campsite Company Account

Admin insert the detail of campsite company in add company registration form:

- Company username: mgp
- Company password: mgp_123
- Company name: Merchang Glamping Park
- Company Location: Marang, Terengganu
- Contact Number: 603310492220

Admins need to click the 'Yes Add' button to proceed or click the 'Cancel' button if not confirmed yet. If the 'Yes Add' button is clicked, it will appear the Company Successful Added pop up and redirected to the company list page will appear. If the 'Cancel' button is clicked, it will return to the Add Company form. Confirmation to add company will pop up and company successfully added will pop up then it redirects to the company list page.





Empty detail or incorrect detail were insert in add company registration form:

- Company username:
 - Company password:
 - Company name:
 - Company Location:
- OR
- Company username: mgp
 - Company password: mgp_123
 - Company name: Merchang Glamping Park

- Company Location: Example.Ipoh
- Contact Number: 099xxxxxxxx

The red warning will appear at the fill in box. The red warning will appear at the fill in box when the input is empty. If the input is not correct it will appear the red warning at the fill in box.

This screenshot shows a Windows desktop environment with a BonFire application window open. The application has a pink header bar with the logo and navigation links: Home, Camp, and Logout. The main content area contains several input fields with validation messages:

- Company Username:** An empty input field with the message "Please fill the username."
- Company Password:** An empty input field with the message "Please fill the password."
- Company Name:** An input field containing "Example Glamp Campsite" with the message "Please fill the company name."
- Company Location:** An input field containing "ExampleIpoh" with the message "Please fill the company location."
- Contact Number:** An empty input field with the message "Please fill in the company contact number."

A large blue "Submit" button is at the bottom of the form. The taskbar at the bottom shows various application icons and the system clock.

This screenshot shows the same BonFire application window after the user has filled in the form correctly. All input fields now have green checkmarks indicating they are valid:

- Company Username:** Contains "mpg" with a green checkmark.
- Company Password:** Contains "*****" with a green checkmark.
- Company Name:** Contains "Merchang Glamping Park" with a green checkmark.
- Company Location:** Contains "ExampleIpoh" with a red error icon.
- Contact Number:** Contains "099xxxxxxx" with a red error icon.

The "Submit" button remains at the bottom. The taskbar at the bottom shows various application icons and the system clock.

4.4. Admin View Campers List

Admin can view campers list that has registered into the system.

The screenshot shows a Windows desktop environment. On the left is a vertical sidebar for the 'BonFire' application, colored red. It contains icons for 'Home' (house), 'Camp' (tent), and 'Logout'. The main area is titled 'Campers List' and displays a table with the following data:

ID	Name	Phone Number	Email
1	Aisy Batrisyia	01234567890	aisy@gmail.com
2	Aisya Aina	01254327689	aisya@gmail.com
3	Sapiqoh	0129010003	sapiqoh@gmail.com

The desktop taskbar at the bottom shows various pinned and running applications, including File Explorer, Edge, and several system icons. The system tray indicates the date and time as 8/7/2024, 6:00 PM.