



**COLLEGE OF COMPUTING, INFORMATICS &
MATHEMATICS**

**BACHELOR OF INFORMATION SYSTEMS (HONORS)
INFORMATION SYSTEMS ENGINEERING
(CDCS266)**

**ENTERPRISE PROGRAMMING
(CSC584)**

**GROUP PROJECT
PROPOSAL STORYBOARD
VOLUNTEER MANAGEMENT SYSTEM**

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1.0 Project Overview

The Zoo Negara KeeperKu Programme is an exciting opportunity for students aged 16 and above to gain hands-on experience in wildlife husbandry, education, public relations, customer service, veterinary medicine, and park management at Zoo Negara. The volunteer management system is a web-based application that will enable the zoo to manage volunteers, events, and volunteer opportunities for the KeeperKu Programme. The system will provide features for volunteer registration, login, information management, and a dashboard for monitoring volunteer activities.

The volunteer management system will help the zoo to streamline the volunteer registration and onboarding process, making it more efficient and user-friendly for both volunteers and zoo staff. The system will provide a centralized platform for managing volunteer information, including contact details, availability, and skills. Volunteers will be able to easily sign up for and manage their volunteer slots, reducing the administrative burden on zoo staff.

The volunteer management system will provide a positive and engaging experience for volunteers, promoting a sense of community and contributing to the overall success of the Zoo Negara KeeperKu Programme. By providing a user-friendly interface and efficient processes, the system will help to attract and retain volunteers, ensuring the continued success of the programme.

Reservation Schedules:
Every Friday: 8.00 am - 12.30 pm (Half day), 8.00 am - 4.30 pm (Full day)
Every Saturday: 8.00 am - 12.30 pm (Half day), 8.00 am - 4.30 pm (Full day)
Every Sunday: 8.00 am - 12.30 pm (Half day), 8.00 am - 4.30 pm (Full day)
Every Monday: 8.00 am - 12.30 pm (Half day), 8.00 am - 4.30 pm (Full day)
Participants are expected to arrive at 7.30 am for the safety briefing.

Figure 1: Reservation Schedules for Volunteers

2.0 Problem Statement

To register for the KeeperKu Programme at Zoo Negara, volunteers must utilize a third-party service, Ticket2u. This involves clicking a link or scanning a QR code, which directs them to the registration form on the Ticket2u page. While this arrangement doesn't inherently endanger Zoo Negara, it's important to acknowledge that threats can emerge unexpectedly. Moreover, relying solely on a third-party service incurs ongoing expenses for the organization. Without depending on a third-party service, Zoo Negara could manage its finances more effectively and fully fund volunteers, eliminating the need for them to pay RM35 for registration, as is the case with other volunteer programs that offer free registration. The display on the existing website also currently appears outdated, with unclear visuals and the use of ambiguous colors.

How can we simplify the volunteer registration process for both potential volunteers and zoo staff?

Is there a way to improve the process of tracking reservation schedules effectively?

3.0 Objectives

- Streamline the volunteer
- Registration and onboarding process, making it more efficient and user-friendly for both volunteers and zoo staff.
- Provide a centralized platform for managing volunteer information, including contact details, availability, and skills.
- Enable volunteers to easily sign up for and manage their volunteer shifts, reducing the administrative burden on zoo staff.
- Facilitate communication between volunteers and zoo staff, including shift reminders, updates, and feedback.
- Provide a dashboard for zoo staff to monitor volunteer activity, track attendance, and identify areas for improvement.
- Ensure the security and privacy of volunteer information, in compliance with relevant data protection regulations.
- Provide a positive and engaging experience for volunteers, promoting a sense of community and contributing to the overall success of the Zoo Negara Volunteer Programme.

4.0 Storyboard

- **CREATE**

(Input)

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="utf-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

  <title>Reservation</title>

  <!-- Custom fonts -->

  <link href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet"
type="text/css">

  <link
href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600
,600i,700,700i,800,800i,900,900i" rel="stylesheet">

  <!-- Custom styles -->

  <link href="css/sb-admin-2.min.css" rel="stylesheet">

  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/flatpickr/dist/flatpickr.min.css">

</head>

<body id="page-top">

  <div class="container-fluid">

    <div class="d-sm-flex align-items-center justify-content-between mb-4">

      <h1 class="h3 mb-0 text-gray-800">Reservation</h1>

    </div>

    <div class="container">

      <div class="row justify-content-center">

        <div class="col-xl-10 col-lg-12 col-md-9">
```

```
<div class="card o-hidden border-0 shadow-lg my-5">
  <div class="card-body p-0">
    <div class="card shadow mb-4">
      <div class="card-header">
        <h6 class="m-0 font-weight-bold text-primary">Volunteer
Information</h6>
      </div>
      <div class="card-body text-">
        <form>
          <div class="form-group">
            <label for="dob">Select Date:</label>
            <input type="date" class="form-control" id="dob"
placeholder="2024-05-15" disabled>
          </div>
          <div class="form-group">
            <label for="name">Name:</label>
            <input type="text" class="form-control" id="name"
placeholder="Alif Satar Bin Omar" disabled>
          </div>
          <div class="form-group">
            <label for="id">IC Number:</label>
            <input type="text" class="form-control" id="id"
placeholder="020803424543" disabled>
          </div>
          <div class="form-group">
            <label for="phone">Phone Number:</label>
            <input type="text" class="form-control" id="phone"
placeholder="0199735345" disabled>
          </div>
          <div class="form-group">
            <label for="email">Email:</label>
```

```

        <input type="email" class="form-control" id="email"
placeholder="alifsatar@gmail.com" disabled>
    </div>
    <div class="form-group">
        <label for="dob">Date of Birth:</label>
        <input type="text" class="form-control" id="occupation"
placeholder="23/3/2001" disabled>
    </div>
    <div class="form-group">
        <label for="address">Address:</label>
        <input type="text" class="form-control" id="address"
placeholder="Klang, Selangor" disabled>
    </div>
    <div class="form-group">
        <label for="age">Age:</label>
        <input type="number" class="form-control" id="age"
placeholder="23" disabled>
    </div>
    <div class="form-group">
        <label for="occupation">Occupation:</label>
        <input type="text" class="form-control" id="occupation"
placeholder="clerk" disabled>
    </div>
    <label class="form-label" for="customFile">Attach
File</label>
    <input type="text" class="form-control" id="occupation"
placeholder="PaymentReceipt.jpg" disabled>
</form>
<a href="view.html" class="btn btn-primary btn-user
btn-block">Reserve</a>
</div>
</div>
</div>

```



```

        </div>
    </div>
</div>
</div>
</div>
<script src="https://cdn.jsdelivr.net/npm/flatpickr"></script>
<script>
    flatpickr("#dob", {
        minDate: "today",
        maxDate: new Date().fp_incr(365),
        disable: [
            function(date) {
                return !(date.getDay() === 5 || date.getDay() === 6 || date.getDay() === 0
|| date.getDay() === 1);
            }
        ]
    });
</script>
<!-- Bootstrap core JavaScript-->
<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- Core plugin JavaScript-->
<script src="vendor/jquery-easing/jquery.easing.min.js"></script>
<!-- Custom scripts -->
<script src="js/sb-admin-2.min.js"></script>
<!-- Page level plugins -->
<script src="vendor/chart.js/Chart.min.js"></script>
<!-- Page level custom scripts -->
<script src="js/demo/chart-area-demo.js"></script>
<script src="js/demo/chart-pie-demo.js"></script>

```

</body>

</html>

(Output)

Reservation

Volunteer Information

Select Date:
2024-05-15

Name:
Alif Satar Bin Omar

IC Number:
020803424543

Phone Number:
0199735345

Email:
alifsatar@gmail.com

Date of Birth:
23/3/2001

Address:
Klang, Selangor

Age:
23

Occupation:
clerk

Attach File
PaymentReceipt.jpg

Reserve

- **READ**

(Input)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="utf-8">
```

```
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
```

```
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
```

```
  <meta name="description" content="">
```

```
  <meta name="author" content="">
```

```
  <title>Volunteer Management</title>
```

```
  <!-- Custom fonts for this template-->
```

```
  <link href="vendor/fontawesome-free/css/all.min.css" rel="stylesheet" type="text/css">
```

```
  <link href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,600,600i,700,700i,800,800i,900,900i" rel="stylesheet">
```

```
  <!-- Custom styles for this template-->
```

```
  <link href="css/sb-admin-2.min.css" rel="stylesheet">
```

```
</head>
```

```
<body id="page-top">
```

```
  <div class="container-fluid">
```

```
    <!-- Page Heading -->
```

```
    <div class="d-sm-flex align-items-center justify-content-between mb-4">
```

```
      <h1 class="h3 mb-0 text-gray-800">ACTIVITY & HISTORY</h1>
```

```
    </div>
```

```
    <!-- start volunteer information -->
```

```

<div class="row justify-content-center">
  <!-- Active Section -->
  <div class="col-xl-12 col-lg-12 col-md-12 mb-4">
    <h2 class="mb-3">Active</h2>
  </div>
  <!-- Container 1 (Pending) - Active -->
  <div class="col-xl-4 col-lg-4 col-md-6 mb-4">
    <div class="card o-hidden border-0 shadow-lg">
      <div class="card-body p-0">
        <div class="card shadow mb-4 bg-info"> <!-- Blue color for pending
-->
          <div class="card-header">
            <h6 class="m-0 font-weight-bold text-white">Volunteer
Information</h6>
          </div>
          <div class="card-body text-white">
            <form>
              <!-- Display user's reservation details -->
              <p>Date: 2024-05-15</p>
              <p>Name: Alif Satar Bin Omar</p>
              <p>Email: alifsatar@gmail.com</p>
              <p>Status: Pending</p>
              <!-- Button trigger modal -->
              <button type="button" class="btn btn-primary btn-user
btn-block btn-overview" data-toggle="modal" data-target="#overviewModal1">
                Overview
              </button>
            </form>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

    </div>

</div>

<!-- Modal for Alif Satar Bin Omar (Active) -->

<div class="modal fade" id="overviewModal1" tabindex="-1" role="dialog"
aria-labelledby="overviewModalLabel1" aria-hidden="true">

    <div class="modal-dialog" role="document">

        <div class="modal-content">

            <div class="modal-header">

                <h5 class="modal-title" id="overviewModalLabel1">Reservation
Overview</h5>

                <button type="button" class="close" data-dismiss="modal"
aria-label="Close">

                    <span aria-hidden="true">&times;</span>

                </button>

            </div>

            <div class="modal-body">

                <!-- Display additional information here -->

                <p>Date: 2024-05-15</p>

                <p>Name: Alif Satar Bin Omar</p>

                <p>Email: alifsatar@gmail.com</p>

                <p>Status: Paid</p>

                <p>IC Number: 020803424543</p>

                <p>Phone Number: 0199735345</p>

                <p>Date of Birth: 23/3/2001</p>

                <p>Address: Klang, Selangor</p>

                <p>Age: 23</p>

                <p>Occupation: Clerk</p>

            </div>

            <div class="modal-footer">

                <button type="button" class="btn btn-secondary"
data-dismiss="modal">Close</button>

```

```

        </div>

    </div>

</div>

</div>

<!-- History Section -->

<div class="col-xl-12 col-lg-12 col-md-12 mb-4">

    <h2 class="mb-3">History</h2>

</div>

<!-- Container 3 (Paid) - History -->

<div class="col-xl-4 col-lg-4 col-md-6 mb-4">

    <div class="card o-hidden border-0 shadow-lg" id="redContainer1">

        <div class="card-body p-0">

            <div class="card shadow mb-4 bg-danger"> <!-- Red color for Paid -->

                <div class="card-header">

                    <h6 class="m-0 font-weight-bold text-white">Volunteer
Information</h6>

                </div>

                <div class="card-body text-white">

                    <form>

                        <!-- Display user's reservation details -->

                        <p>Date: 2024-04-12</p>

                        <p>Name: Alif Satar Bin Omar</p>

                        <p>Email: alifsatar@gmail.com</p>

                        <p>Status: Paid</p>

                        <!-- Button trigger modal -->

                        <button type="button" class="btn btn-primary btn-user
btn-block btn-overview" data-toggle="modal" data-target="#overviewModal3">

                            Overview

                        </button>

                    </form>

```

```

        </div>

    </div>

</div>

</div>

</div>

<!-- Modal for Arif Saiful Bin Omar (History) -->

<div class="modal fade" id="overviewModal3" tabindex="-1" role="dialog"
aria-labelledby="overviewModalLabel3" aria-hidden="true">

    <div class="modal-dialog" role="document">

        <div class="modal-content">

            <div class="modal-header">

                <h5 class="modal-title" id="overviewModalLabel3">Reservation
Overview</h5>

                <button type="button" class="close" data-dismiss="modal"
aria-label="Close">

                    <span aria-hidden="true">&times;</span>

                </button>

            </div>

            <div class="modal-body">

                <!-- Display additional information here -->

                <p>Date: 2024-05-15</p>

                <p>Name: Alif Satar Bin Omar</p>

                <p>Email: alifsatar@gmail.com</p>

                <p>Status: Paid</p>

                <p>IC Number: 020803424543</p>

                <p>Phone Number: 0199735345</p>

                <p>Date of Birth: 23/3/2001</p>

                <p>Address: Klang, Selangor</p>

                <p>Age: 23</p>

                <p>Occupation: Clerk</p>

            </div>

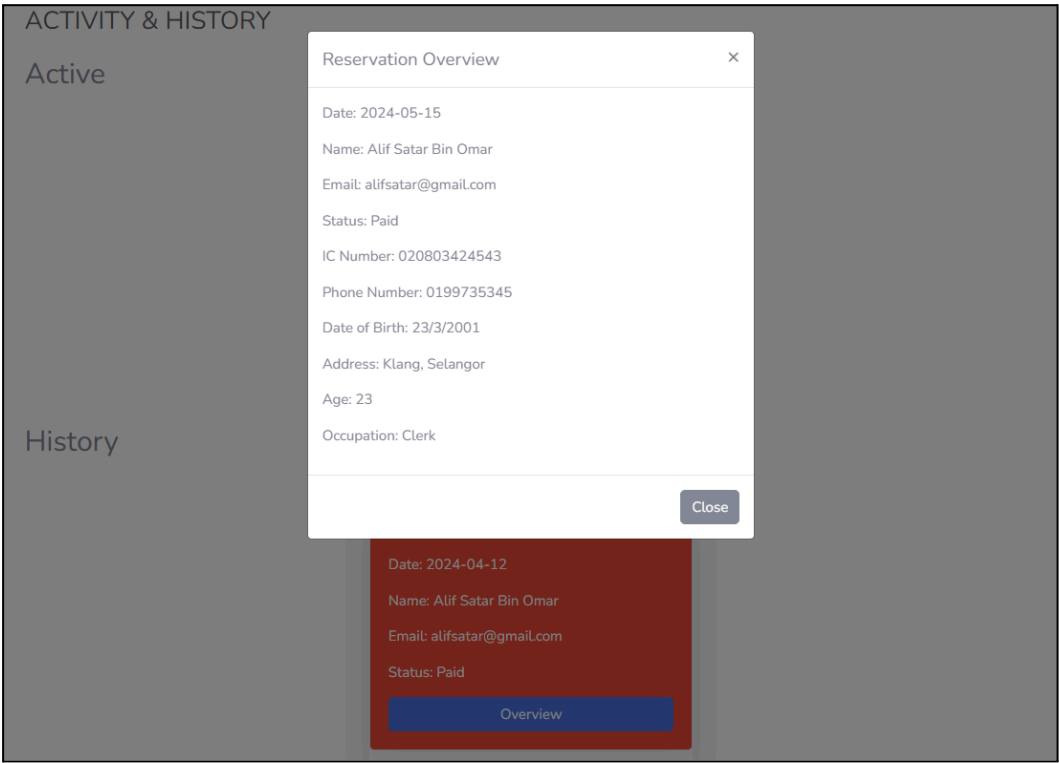
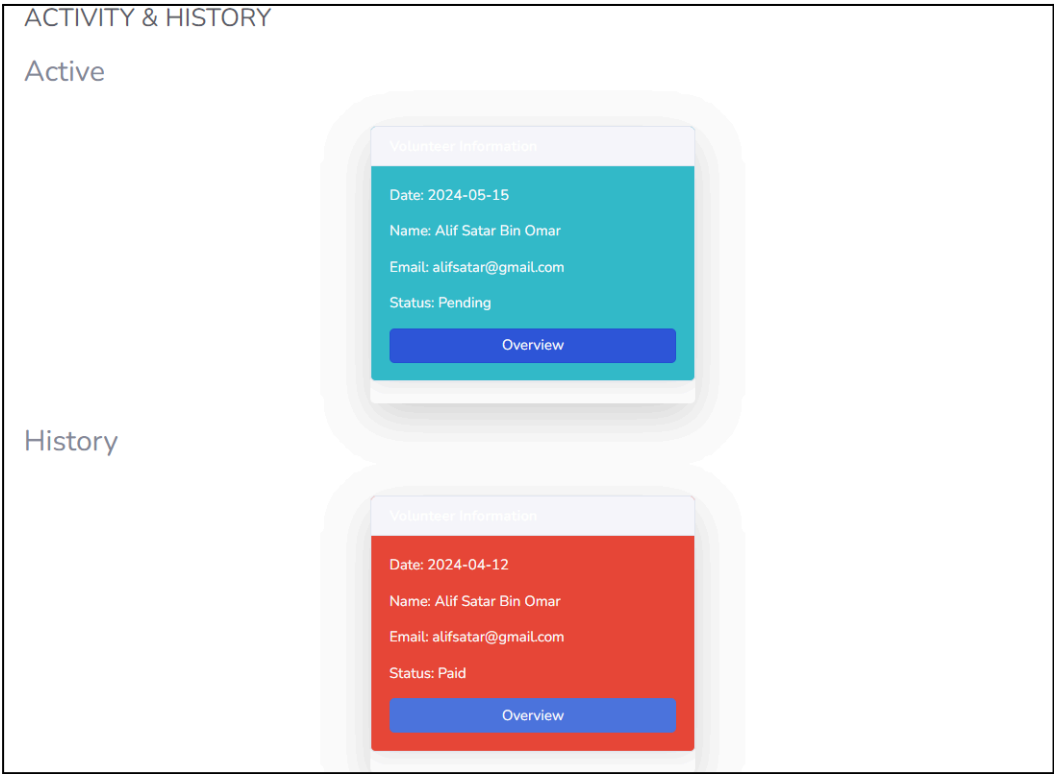
```

```

        <div class="modal-footer">
            <button type="button" class="btn btn-secondary"
data-dismiss="modal">Close</button>
        </div>
    </div>
</div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- /.container-fluid -->
<!-- Bootstrap core JavaScript-->
<script src="vendor/jquery/jquery.min.js"></script>
<script src="vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<!-- Core plugin JavaScript-->
<script src="vendor/jquery-easing/jquery.easing.min.js"></script>
<!-- Custom scripts for all pages-->
<script src="js/sb-admin-2.min.js"></script>
</body>
</html>

```


(Output)



- **UPDATE**

(Input)

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<body>
```

```
    <!-- Modal for Alif Satar Bin Omar (Active) -->
```

```
    <div class="modal fade" id="overviewModal1" tabindex="-1" role="dialog"
    aria-labelledby="overviewModalLabel1" aria-hidden="true">
```

```
        <div class="modal-dialog" role="document">
```

```
            <div class="modal-content">
```

```
                <div class="modal-header">
```

```
                    <h5 class="modal-title" id="overviewModalLabel1">Reservation
    Overview</h5>
```

```
                    <button type="button" class="close" data-dismiss="modal"
    aria-label="Close">
```

```
                        <span aria-hidden="true">&times;</span>
```

```
                    </button>
```

```
                </div>
```

```
            <div class="modal-body">
```

```
                <!-- Display additional information here -->
```

```
                <p>Date: 2024-05-15</p>
```

```
                <p>Name: Alif Satar Bin Omar</p>
```

```
                <p>Email: alifsatar@gmail.com</p>
```

```
                <p>Status: Paid</p>
```

```
                <p>IC Number: 020803424543</p>
```

```
                <p>Phone Number: 0199735345</p>
```

<p>Date of Birth: 23/3/2001</p>

<p>Address: Klang, Selangor</p>

<p>Age: 23</p>

<p>Occupation: Clerk</p>

</div>

<div class="modal-footer">

<!-- Edit button -->

<button type="button" class="btn btn-warning btn-user btn-block btn-edit" data-toggle="modal" data-target="#editModal1"> Edit</button>

<button type="button" class="btn btn-secondary" data-dismiss="modal">Close</button>

</div></div></div></div>

<!-- Edit Modal for Alif Satar Bin Omar (Active) -->

<div class="modal fade" id="editModal1" tabindex="-1" role="dialog" aria-labelledby="editModalLabel1" aria-hidden="true">

<div class="modal-dialog" role="document">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="editModalLabel1">Edit Information</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

×</button>

</div>

<div class="modal-body">

<form>

<div class="form-group">

```

        <label for="editPhoneNumber">Phone Number</label>

        <input type="text" class="form-control" id="editPhoneNumber"
placeholder="Enter Phone Number"></div>

<div class="form-group">

        <label for="editAddress">Address</label>

        <input type="text" class="form-control" id="editAddress"
placeholder="Enter Address"></div>

<div class="form-group">

        <label for="editOccupation">Occupation</label>

        <input type="text" class="form-control"
id="editOccupation" placeholder="Enter Occupation"></div></form>

</div>

<div class="modal-footer">

        <button type="button" class="btn btn-secondary"
data-dismiss="modal">Close</button>

        <button type="button" class="btn btn-primary"
id="saveChanges1">Save changes</button></div>

</div></div>

```

// Script to save edited information

```

$(document).ready(function () {

    $("#saveChanges1").click(function () {

        // Retrieve edited information

        var editedPhoneNumber = $("#editPhoneNumber").val();

        var editedAddress = $("#editAddress").val();

        var editedOccupation = $("#editOccupation").val();

        // Update overview with edited information
    });

```

```

        $("#overviewModal1").find("p:contains('Phone
        Number:')").text("Phone Number: " + editedPhoneNumber);

        $("#overviewModal1").find("p:contains('Address:')").text("Address: " +
editedAddress);

        $("#overviewModal1").find("p:contains('Occupation:')").text("Occupatio
n: " + editedOccupation);

        // Close the modal

        $('#editModal1').modal('hide');

    });

});

</script></body>

</html>

```

(Output)

ACTIVITY & HISTORY

Active

History

Reservation Overview

Date: 2024-05-15

Name: Alif Satar Bin Omar

Email: alifsatar@gmail.com

Status: Paid

IC Number: 020803424543

Phone Number: 0199735345

Date of Birth: 23/3/2001

Address: Klang, Selangor

Age: 23

Occupation: Clerk

Edit

Close

Edit Information

Phone Number

Enter Phone Number

Address

Enter Address

Occupation

Enter Occupation

Close

Save changes

- **DELETE**

(Input)

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="utf-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

  <meta name="description" content="">

  <meta name="author" content="">

  <title>SB Admin 2 - Dashboard</title>


  <!-- History Section -->

  <div class="col-xl-12 col-lg-12 col-md-12 mb-4">

    <h2 class="mb-3">History</h2>

  </div>


  <!-- Container 3 (Paid) - History -->

  <div class="col-xl-4 col-lg-4 col-md-6 mb-4">

    <div class="card o-hidden border-0 shadow-lg" id="redContainer1">

      <div class="card-body p-0">

        <div class="card shadow mb-4 bg-danger"> <!-- Red color for Paid

-->

        <div class="card-header">

          <h6 class="m-0 font-weight-bold text-white">Volunteer

Information</h6>

        </div>
```

```

<div class="card-body text-white">

  <form>

    <!-- Display user's reservation details -->

    <p>Date: 2024-04-12</p>

    <p>Name: Alif Satar Bin Omar</p>

    <p>Email: alifsatar@gmail.com</p>

    <p>Status: Paid</p>

    <!-- Button trigger modal -->

    <button type="button" class="btn btn-primary btn-user
btn-block btn-overview" data-toggle="modal" data-target="#overviewModal3">

      Overview

    </button>

    <!-- Button trigger delete confirmation modal -->

    <button type="button" class="btn btn-danger btn-user
btn-block" data-toggle="modal" data-target="#deleteConfirmationModal">

      Delete

    </button>

  </form>

</div>

</div>

</div>

</div>

</div>

<!-- Modal for Arif Saiful Bin Omar (History) -->

<div class="modal fade" id="overviewModal3" tabindex="-1"
role="dialog" aria-labelledby="overviewModalLabel3" aria-hidden="true">

  <div class="modal-dialog" role="document">

```



```
<div class="modal-content">
  <div class="modal-header">
    <h5 class="modal-title" id="overviewModalLabel3">Reservation
Overview</h5>
    <button type="button" class="close" data-dismiss="modal"
aria-label="Close">
      <span aria-hidden="true">&times;</span>
    </button>
  </div>
  <div class="modal-body">
    <!-- Display additional information here -->
    <p>Date: 2024-05-15</p>
    <p>Name: Alif Satar Bin Omar</p>
    <p>Email: alifsatar@gmail.com</p>
    <p>Status: Paid</p>
    <p>IC Number: 020803424543</p>
    <p>Phone Number: 0199735345</p>
    <p>Date of Birth: 23/3/2001</p>
    <p>Address: Klang, Selangor</p>
    <p>Age: 23</p>
    <p>Occupation: Clerk</p>
  </div>
  <div class="modal-footer">
    <button type="button" class="btn btn-secondary"
data-dismiss="modal">Close</button>
  </div>
</div>
```

</div>

<!-- Delete Confirmation Modal -->

<div class="modal fade" id="deleteConfirmationModal" tabindex="-1" role="dialog" aria-labelledby="deleteConfirmationModalLabel" aria-hidden="true">

<div class="modal-dialog" role="document">

<div class="modal-content">

<div class="modal-header">

<h5 class="modal-title" id="deleteConfirmationModalLabel">Confirm Deletion</h5>

<button type="button" class="close" data-dismiss="modal" aria-label="Close">

×

</button>

</div>

<div class="modal-body">

Are you sure you want to delete this item?

</div>

<div class="modal-footer">

<button type="button" class="btn btn-secondary" data-dismiss="modal">Cancel</button>

<button type="button" class="btn btn-danger" id="deleteItem">Delete</button>

</div>

</div>

</div>

</div>

</div>

</div>

```
</div>
```

```
</div>
```

```
<!-- End of Content Wrapper -->
```

```
</div>
```

```
<!-- End of Page Wrapper -->
```

```
<!-- Custom script for deleting red container -->
```

```
<script>
```

```
$(document).ready(function () {
```

```
    $("#deleteItem").click(function () {
```

```
        $("#redContainer1").remove();
```

```
        $('#deleteConfirmationModal').modal('hide');
```

```
    });
```

```
});
```

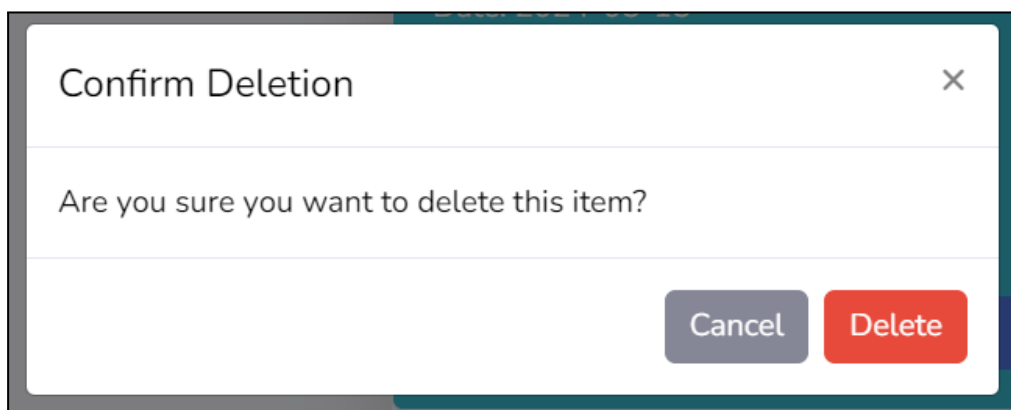
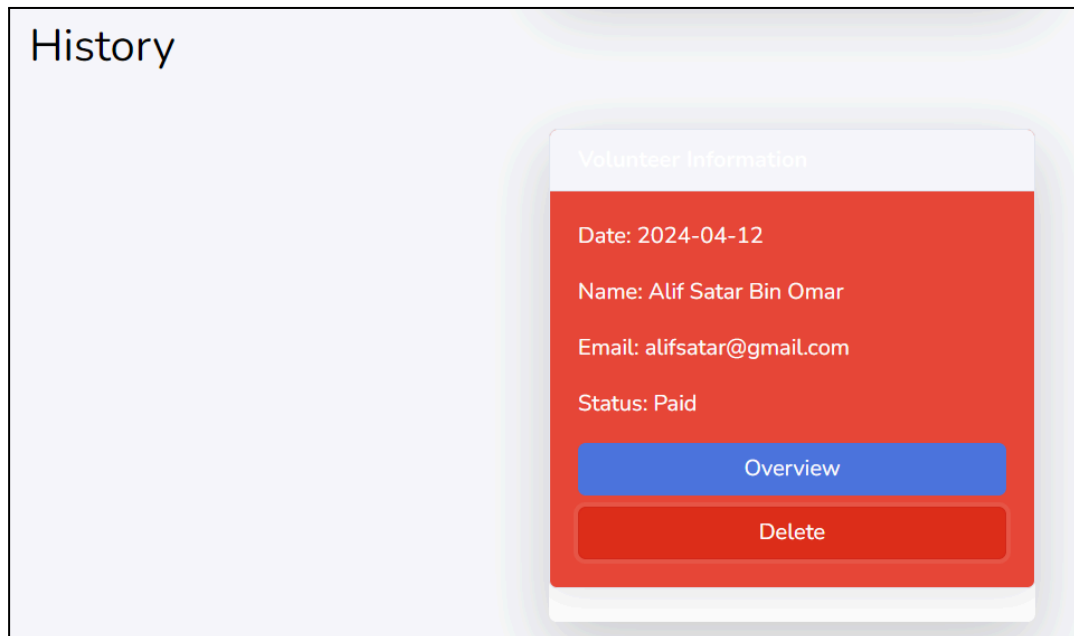
```
});
```

```
</script>
```

```
</body>
```

```
</html>
```

(Output)



5.0 Database ERD

