

# SEATWORK #3: Reservation System

## Members:

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**Github:** <https://github.com/jayem2305/Reservation.git>

## SEATWORK #3:

- This activity is by pair.
- Create a simple Hotel Reservation System.
- Please follow the folder name format (**minus 10** for the wrong filename)
  - Folder Name: HotelReservationSystem<Lastname1Lastname2>
  - Example: ReservationSystemMansuetoTraballo

## Instructions:

- Make your own design/interface for the following pages HOME, COMPANY'S PROFILE, RESERVATION, and CONTACTS.
- You may add pictures or logos to make it more professional-looking.
- Apply the PDO with database connectivity using MySQL.
- Apply the CRUD and create and design an Admin Page.

## Note:

For more details of the said activity please go to page 48 of the [Review Core PHP](#) Module and include a screenshot of your work.

## Code: (ReservationEnriqueCanlas.php)

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
    <meta name="description" content="" />
    <meta name="author" content="" />
    <title>Reservation Enrique Canlas</title>
    <link rel="icon" type="image/x-icon" href="assets/img/logo.png" />
    <!-- Font Awesome icons (free version)-->
    <script src="https://use.fontawesome.com/releases/v6.3.0/js/all.js" crossorigin="anonymous"></script>
```

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```
<!-- Google fonts-->
<link href="https://fonts.googleapis.com/css?family=Varela+Round"
rel="stylesheet" />
<link
href="https://fonts.googleapis.com/css?family=Nunito:200,200i,300,300i,400,400i,6
00,600i,700,700i,800,800i,900,900i" rel="stylesheet" />
<!-- Core theme CSS (includes Bootstrap)-->
<link href="css/styles.css" rel="stylesheet" />
</head>
<body id="page-top">
<!-- Navigation-->
<nav class="navbar navbar-expand-lg navbar-light fixed-top" id="mainNav">
<div class="container-fluid px-4 px-lg-5">
<a class="navbar-brand"
href="#page-top">EC-RESERVATION</a>
<button class="navbar-toggler navbar-toggler-right" type="button"
data-bs-toggle="collapse" data-bs-target="#navbarResponsive" aria-
controls="navbarResponsive" aria-expanded="false" aria-label="Toggle navigation">
Menu
<i class="fas fa-bars"></i>
</button>
<div class="collapse navbar-collapse" id="navbarResponsive">
<ul class="navbar-nav ms-auto ">
<li class="nav-item"><a class="nav-link" href="#page-
top">Home</a></li>
<li class="nav-item"><a class="nav-link "
href="#about">Company's Profile</a></li>
<li class="nav-item"><a class="nav-link" data-bs-
toggle="modal" data-bs-target="#exampleModal" href="">Reservation</a></li>
<li class="nav-item"><a class="nav-link
" href="displayresrvation.php">Reserved information</a></li>
<li class="nav-item"><a class="nav-link"
href="#signup">Contact</a></li>
</ul>
</div>
</div>
</nav>
<div class="modal fade" id="exampleModal" tabindex="-1" aria-
labelledby="exampleModalLabel" aria-hidden="true">
<div class="modal-dialog modal-lg">
<div class="modal-content">
<div class="modal-header">
<h1 class="modal-title fs-5" id="exampleModalLabel">Reservation: (Supply
the Necessary Information below)</h1>
```

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```
<button type="button" class="btn-close" data-bs-dismiss="modal" aria-label="Close"></button>
</div>
<div class="modal-body">
  <form method="post" action="dbh/backend.php">

  <div class="row">
    <div class="col-lg-6">
      <label for="customername" class="form-label">Customer name</label>
      <input type="text" class="form-control is-invalid" id="customername"
name="customername" placeholder="Lastname, Firstname Middle Initial" required>
      <div class="invalid-feedback" id="name">
        Please enter Your FullName.
      </div>
    </div>
    <div class="col-lg-6">
      <div class="mb-3">
        <label for="contact" class="form-label">Contact Number</label>
        <input type="tel" class="form-control is-invalid" pattern="[0-9]{4}-
[0-9]{3}-[0-9]{4}" name="contactnumber" id="contact" placeholder="09xx-xxx-xxxx"
maxlength="13" required>
        <div class="invalid-feedback">
          Please enter Your Contact Number.
        </div>
      </div>
    </div>
  </div>
  <hr>
  <label class="form-label fw-bolder" >Reservation Date</label>
  <div class="col-lg-6 mb-3">
    <label for="startdate" class="form-label">From: </label>
    <input type="date" class="form-control is-invalid" id="startdate"
name="startdate" required>
    <div class="invalid-feedback" id="startDateError">Enter your preferred
Date</div>
  </div>
  <div class="col-lg-6 mb-3">
    <label for="enddate" class="form-label">To: </label>
    <input type="date" class="form-control is-invalid" id="enddate"
name="enddate" required>
    <div class="invalid-feedback" id="endDateError">Enter your preferred
Date</div>
  </div>
  <div class="col-lg-4 mb-3">
    <!--roomtype-->
    <label for="validationServer01" class="form-label">Room Type: </label>
```

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```
<div class="form-check ">
    <input type="radio" class="form-check-input"
id="validationFormCheck2" name="radio-stacked" value="Suite" checked >
    <label class="form-check-label text-black"
for="validationFormCheck2">Suite</label>
</div>
<div class="form-check ">
    <input type="radio" class="form-check-input"
id="validationFormCheck3" value="Deluxe" name="radio-stacked" >
    <label class="form-check-label text-black"
for="validationFormCheck3">Deluxe</label>
</div>
<div class="form-check ">
    <input type="radio" class="form-check-input"
id="validationFormCheck4" value="Regular" name="radio-stacked" >
    <label class="form-check-label text-black"
for="validationFormCheck4">Regular</label>
</div>
</div>
<!--roomtypecapacity-->
<div class="col-lg-4 mb-3">
    <label for="validationServer01" class="form-label">Room Capacity:
</label>
    <div class="form-check">
        <input type="radio" class="form-check-input"
id="validationFormCheck2" value="Family" name="Capacity-stacked" checked required>
        <label class="form-check-label text-black"
for="validationFormCheck2">Family</label>
    </div>
    <div class="form-check ">
        <input type="radio" class="form-check-input"
id="validationFormCheck3" value="Double" name="Capacity-stacked" required>
        <label class="form-check-label text-black"
for="validationFormCheck3">Double</label>
    </div>
    <div class="form-check ">
        <input type="radio" class="form-check-input"
id="validationFormCheck3" value="Single" name="Capacity-stacked" required>
        <label class="form-check-label text-black"
for="validationFormCheck3">Single</label>
    </div>
</div>
<!--paymenttype-->
<div class="col-lg-4 mb-3">
    <label for="validationServer01" class="form-label">Payment Type: </label>
```

# SEATWORK #3: Reservation System

```
<div class="form-check">
  <input type="radio" class="form-check-input"
id="validationFormCheck2"value="Cash" name="Payment-stacked"checked required>
  <label class="form-check-label text-black"
for="validationFormCheck2">Cash</label>
</div>
<div class="form-check ">
  <input type="radio" class="form-check-input"
id="validationFormCheck3"value="Check" name="Payment-stacked" required>
  <label class="form-check-label text-black"
for="validationFormCheck3">Check</label>
</div>
<div class="form-check ">
  <input type="radio" class="form-check-input"
id="validationFormCheck3"value="Credit Card" name="Payment-stacked" required>
  <label class="form-check-label text-black"
for="validationFormCheck3">Credit Card</label>
</div>
</div>
<div class="d-grid gap-2 d-md-flex justify-content-md-end">
  <button type="reset" class="btn btn-secondary">Clear</button>
  <button type="submit" class="btn btn-primary" name="submit" >Submit
Reservation</button>
</div>
</form>
</div>

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

<!-- Masthead-->
<header class="masthead">
  <div class="container px-4 px-lg-5 d-flex h-100 align-items-center
justify-content-center">
    <div class="d-flex justify-content-center">
      <div class="text-center">
        <h1 class="mx-auto my-0 text-uppercase">Dr. Pepe</h1>
        <h2 class="text-white-50 mx-auto mt-2 mb-5">A Five Star
Hotel On-line Reservation.</h2>
        <a class="btn btn-primary" data-bs-toggle="modal" data-
bs-target="#exampleModal">BOOK NOW</a>
      </div>
    </div>
  </div>
</div>
```

# SEATWORK #3: Reservation System

```
</header>
<!-- About-->
<section class="projects-section" id="about">
  <div class="container px-4 px-lg-5">
    <!-- Featured Project Row-->
    <div class="row gx-0 mb-4 mb-lg-5 align-items-center">
      <div class="col-xl-8 col-lg-7"></div>
      <div class="col-xl-4 col-lg-5">
        <div class="featured-text text-center text-lg-left">
          <h4>About Us</h4>
          <p class="text-black-50 mb-0">DR. Pepe stays devoted
to helping individuals attain their best potential. Even as we grow, we place the
highest value on people. DR. Pepe suites, founded on family values, provides a
work climate in which coworkers become close friends. Our everyday goal is to
meet the requirements of our visitors, and this commitment is vital to our
business. DR. Pepe Suites is well-known for its revolutionary guest-centric
strategy, which has helped it become one of the most successful hospitality
companies.</p>
        </div>
      </div>
    </div>
  </div>
</section>
<!-- Signup-->
<section class="signup-section" id="signup">
  <div class="container px-4 px-lg-5">
    <div class="row gx-4 gx-lg-5">
      <div class="col-md-10 col-lg-8 mx-auto text-center"
style="margin-top: 7rem;">
        <i class="far fa-paper-plane fa-2x mb-2 text-white"></i>
        <h2 class="text-white mb-5">Subscribe to receive
updates!</h2>
        <form class="form-signup" id="contactForm" data-sb-form-
api-token="API_TOKEN">
          <!-- Email address input-->
          <div class="row input-group-newsletter">
            <div class="col"><input class="form-control"
id="emailAddress" type="email" placeholder="Enter email address..." aria-
label="Enter email address..." data-sb-validations="required,email" /></div>
            <div class="col-auto"><button class="btn btn-
primary" id="submitButton" type="submit">Notify Me!</button></div>
          </div>
        </form>
      </div>
    </div>
  </div>
```

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```
        </div>
    </div>
</section>
<!-- Contact-->
<section class="contact-section bg-black">
    <div class="container px-4 px-lg-5">
        <div class="row gx-4 gx-lg-5">
            <div class="col-md-4 mb-3 mb-md-0">
                <div class="card py-4 h-100">
                    <div class="card-body text-center">
                        <i class="fas fa-map-marked-alt text-primary mb-2"></i>
                        <h4 class="text-uppercase m-0">Address</h4>
                        <hr class="my-4 mx-auto" />
                        <div class="small text-black-50">143 Mwahmwah St.
Barangay kissko28, Sayo lang City</div>
                    </div>
                </div>
            </div>
            <div class="col-md-4 mb-3 mb-md-0">
                <div class="card py-4 h-100">
                    <div class="card-body text-center">
                        <i class="fas fa-envelope text-primary mb-2"></i>
                        <h4 class="text-uppercase m-0">Email</h4>
                        <hr class="my-4 mx-auto" />
                        <div class="small text-black-50"><a
href="#"!>jrizz@gmail.com</a></div>
                    </div>
                </div>
            </div>
            <div class="col-md-4 mb-3 mb-md-0">
                <div class="card py-4 h-100">
                    <div class="card-body text-center">
                        <i class="fas fa-mobile-alt text-primary mb-2"></i>
                        <h4 class="text-uppercase m-0">Phone</h4>
                        <hr class="my-4 mx-auto" />
                        <div class="small text-black-50">+6399-9872-
6506</div>
                    </div>
                </div>
            </div>
        </div>
    </div>
</div>
<div class="social d-flex justify-content-center">
    <a class="mx-2" href="#"!><i class="fab fa-twitter"></i></a>
```

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```
        <a class="mx-2" href="#"><i class="fab fa-facebook-  
f"></i></a>  
        <a class="mx-2" href="#"><i class="fab fa-github"></i></a>  
    </div>  
    </div>  
    </section>  
    <!-- Footer-->  
    <footer class="footer bg-black small text-center text-white-50"><div  
class="container px-4 px-lg-5">Copyright &copy; Jayem 2023</div></footer>  
    <!-- Bootstrap core JS-->  
    <script  
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js  
></script>  
    <!-- Core theme JS-->  
    <script src="js/scripts.js"></script>  
    <script>  
const inputElement = document.getElementById('customername');  
  
inputElement.addEventListener('input', function() {  
    const inputValue = this.value;  
  
    // Regular expression to check if the input contains letters with comma or  
period  
    const pattern = /^[a-zA-Z,.\s]+$/;  
  
    // If input matches the pattern, set class to is-valid, else set to is-  
invalid  
    if (pattern.test(inputValue)) {  
        this.classList.remove('is-invalid');  
        this.classList.add('is-valid');  
    } else {  
        this.classList.remove('is-valid');  
        this.classList.add('is-invalid');  
    }  
});  
  
document.getElementById("contact").addEventListener("input", function() {  
    const phoneNumberInput = this.value;  
    const phoneNumberPattern = /^\\d{4}-\\d{3}-\\d{4}$/;  
  
    if (phoneNumberPattern.test(phoneNumberInput)) {  
        // Valid phone number format  
        this.classList.remove("is-invalid");  
        this.classList.add("is-valid");  
    }  
});
```



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```
    } else {
        // Invalid phone number format
        this.classList.remove("is-valid");
        this.classList.add("is-invalid");
    }
});

document.getElementById("startdate").addEventListener("input", function() {
    validateDateInputs();
});

document.getElementById("enddate").addEventListener("input", function() {
    validateDateInputs();
});

function validateDateInputs() {
    const startDateInput = document.getElementById("startdate");
    const endDateInput = document.getElementById("enddate");
    const startDateValue = startDateInput.value;
    const endDateValue = endDateInput.value;

    if (startDateValue.trim() !== "" && endDateValue.trim() !== "") {
        if (new Date(startDateValue) <= new Date(endDateValue)) {
            // Both dates are valid, end date is not less than start date
            startDateInput.classList.remove("is-invalid");
            startDateInput.classList.add("is-valid");
            endDateInput.classList.remove("is-invalid");
            endDateInput.classList.add("is-valid");
            document.getElementById("startDateError").style.display = "none";
            document.getElementById("endDateError").style.display = "none";
        } else {
            // End date is less than start date
            startDateInput.classList.remove("is-valid");
            startDateInput.classList.add("is-invalid");
            endDateInput.classList.remove("is-valid");
            endDateInput.classList.add("is-invalid");
            document.getElementById("startDateError").style.display = "block";
            document.getElementById("endDateError").style.display = "block";
        }
    } else {
        // One or both inputs are empty
        startDateInput.classList.remove("is-valid");
        startDateInput.classList.add("is-invalid");
        endDateInput.classList.remove("is-valid");
    }
}
```

# SEATWORK #3: Reservation System

```
        endDateInput.classList.add("is-invalid");
        document.getElementById("startDateError").style.display = "block";
        document.getElementById("endDateError").style.display = "block";
    }
}
</script>
</body>
</html>
```

## Code: (displayreservation.php)

```
<?php
// Database connection settings
$host = 'localhost';
$dbname = 'Reservation';
$username = 'root';
$password = '';

// Establish database connection using PDO
try {
    $pdo = new PDO("mysql:host=$host;dbname=$dbname", $username, $password);
    // Set PDO error mode to exception
    $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    die("Error: " . $e->getMessage());
}

// Query to fetch all reservations
$stmt = $pdo->query("SELECT * FROM reservations");
$reservations = $stmt->fetchAll(PDO::FETCH_ASSOC);

foreach ($reservations as &$reservation) {
    // Compute number of days between start date and end date
    $startDate = new DateTime($reservation['startdate']);
    $endDate = new DateTime($reservation['enddate']);
    $interval = $startDate->diff($endDate);
    $reservation['num_days'] = $interval->format('%a'); // Store number of days
    in the reservation array
}

unset($reservation);
```

# SEATWORK #3: Reservation System

```
?>

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
  <meta name="description" content="" />
  <meta name="author" content="" />
  <title>Reservation Enrique Canlas</title>
  <link rel="icon" type="image/x-icon" href="assets/img/logo.png" />
  <!-- Font Awesome icons (free version)-->
  <script src="https://use.fontawesome.com/releases/v6.3.0/js/all.js"
crossorigin="anonymous"></script>
  <!-- Google fonts-->
  <link href="https://fonts.googleapis.com/css?family=Varela+Round"
rel="stylesheet" />
  <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" />
  <!-- Core theme CSS (includes Bootstrap)-->
  <link href="css/styles.css" rel="stylesheet" />
  <link rel="stylesheet"
href="https://cdn.datatables.net/2.0.5/css/dataTables.dataTables.css" />
  <svg xmlns="http://www.w3.org/2000/svg" style="display: none;">
    <symbol id="check-circle-fill" fill="currentColor" viewBox="0 0 16 16">
      <path d="M16 8A8 8 0 1 1 0 8a8 8 0 0 1 16 0zm-3.97-3.03a.75.75 0 0 0-1.08.022L7.477 9.417 5.384 7.323a.75.75 0 0 0-1.06 1.06L6.97 11.03a.75.75 0 0 0 1.079-.0213.992-4.99a.75.75 0 0 0-.01-1.05z"/>
    </symbol>
    <symbol id="info-fill" fill="currentColor" viewBox="0 0 16 16">
      <path d="M8 16A8 8 0 1 0 8 0a8 8 0 0 0 16 0zm.93-9.412-1 4.705c-.07.34-.029.533.304.533.194 0 .487-.07.686-.246l-.088.416c-.287.346-.92.598-1.465.598-.703 0-1.002-.422-.808-1.319l.738-3.468c.064-.293.006-.399-.287-.471-.451-.081-.082-.381 2.29-.287zM8 5.5a1 1 0 1 1 0-2 1 1 0 0 1 0 2z"/>
    </symbol>
    <symbol id="exclamation-triangle-fill" fill="currentColor" viewBox="0 0 16 16">
      <path d="M8.982 1.566a1.13 1.13 0 0 0-1.96 0L1.165 13.233c-.457.778-.091 1.767.98 1.767h13.713c.889 0 1.438-.99 1.767L8.982 1.566zM8 5.535 0 .954.462.954 3.507a.552.552 0 0 1 1.1 0L7.1 5.995A.905.905 0 0 1 8 5zm.002 6a1 1 0 1 1 0 2 1 1 0 0 1 0-2z"/>
    </symbol>
  </svg>
```



# SEATWORK #3: Reservation System

```
<div class="card-body">
  <table class="table" id="myTable">
    <thead>
      <tr>
        <th>ID</th>
        <th>Customer Name</th>
        <th>Contact Number</th>
        <th>Start Date</th>
        <th>End Date</th>
        <th>Room Type</th>
        <th>Room Capacity</th>
        <th>Payment Type</th>
        <th>Actions</th>
      </tr>
    </thead>
    <tbody>
      <?php foreach ($reservations as $reservation):
?>
        <tr>
          <td>RS_<?php echo
sprintf('%02d',$reservation['id']); ?></td>
          <td><?php echo
$reservation['customername']; ?></td>
          <td><?php echo
$reservation['contactnumber']; ?></td>
          <td><?php echo $reservation['startdate'];
?></td>
          <td><?php echo $reservation['enddate'];
?></td>
          <td><?php echo $reservation['roomtype'];
?></td>
          <td><?php echo
$reservation['roomcapacity']; ?></td>
          <td><?php echo
$reservation['paymenttype']; ?></td>
          <td><div class="btn-group" role="group"
aria-label="Basic mixed styles example">
            <button type="button" class="btn btn-
success" data-bs-toggle="modal" data-bs-target="#exampleModal<?php echo
$reservation['id']; ?>"><svg xmlns="http://www.w3.org/2000/svg" width="20"
height="20" fill="currentColor" class="bi bi-pencil-square" viewBox="0 0 16 16">
  <path d="M15.502 1.94a.5.5 0 0 1 0 .706L14.459 3.691-2-2L13.502.646a.5.5 0 0 1
.707 0l1.293 1.293zm-1.75 2.456-2-2L4.939 9.21a.5.5 0 0 0-.121.196l-.805
2.414a.25.25 0 0 0 .316.316l2.414-.805a.5.5 0 0 0 .196-.121l6.813-6.814z"/>
            </button>
          </div>
        </td>
      </tr>
    </tbody>
  </table>
</div>
```

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```
<path fill-rule="evenodd" d="M1 13.5A1.5 1.5 0 0 0 2.5 15h11a1.5 1.5 0 0 0 1.5-  
1.5v-6a.5.5 0 0 -1 0v6a.5.5 0 0 1-.5.5h-11a.5.5 0 0 1-.5-.5H9a.5.5 0 0 0 -.5-.5V8  
.5H9a.5.5 0 0 0 .5-.5L7.5 8.5A1.5 1.5 0 0 0 7 9l1 2.5z"/>  
</svg></button>  
<form method="post" action="dbh/delete_reservation.php">  
<input type="hidden" name="reservation_id" value="<?php echo $reservation['id'];  
>">  
  
                <button type="submit" class="btn btn-danger"><svg xmlns="http://www.w3.org/2000/svg" width="20" height="20"  
fill="currentColor" class="bi bi-trash3" viewBox="0 0 16 16">  
    <path d="M6.5 1h3a.5.5 0 0 1 .5.5v1H6v-1a.5.5 0 0 1 .5-.5M11 2.5v-1A1.5 1.5 0 0 0  
0 9.5 0h-3A1.5 1.5 0 0 0 5 1.5v1H1.5a.5.5 0 0 0 0 1h.538l.853 10.66A2 2 0 0 0  
4.885 16h6.23a2 2 0 0 0 1.994-1.84l.853-10.66h.538a.5.5 0 0 0 0-1zm1.958 1-.846  
10.58a1 1 0 0 1-.997.92h-6.23a1 1 0 0 1-.997-.92L3.042 3.5zm-7.487 1a.5.5 0 0 1  
.528.47l.5 8.5a.5.5 0 0 1-.998.06L5 5.03a.5.5 0 0 1 .47-.53Zm5.058 0a.5.5 0 0 1  
.47.53l-.5 8.5a.5.5 0 1 1-.998-.06l.5-8.5a.5.5 0 0 1 .528-.47M8 4.5a.5.5 0 0 1  
.5.5v8.5a.5.5 0 0 1-1 0V5a.5.5 0 0 1 .5-.5"/>  
</svg></button>  
</form>  
  
            </div></td>  
  
        </tr>  
  
        <?php endforeach; ?>  
    </tbody>  
</table>  
</div>  
</div>  
</div>  
</div>
```

```
</div>  
</div>  
</header>  
  

```

# SEATWORK #3: Reservation System

```
$(document).ready( function () {
    $('#myTable').DataTable();
} );
</script>

<?php foreach ($reservations as $reservation): ?>
<div class="modal fade" id="exampleModal<?php echo $reservation['id']; ?>"
tabindex="-1" aria-labelledby="exampleModalLabel" aria-hidden="true">
    <div class="modal-dialog modal-xl">
        <div class="modal-content">
            <div class="modal-header">
                <h1 class="modal-title fs-5" id="exampleModalLabel">Reservation: (Supply
the Necessary Information below)</h1>
                <button type="button" class="btn-close" data-bs-dismiss="modal" aria-
label="Close"></button>
            </div>
            <div class="modal-body">
                <form method="post" action="dbh/update_reservation.php">
                    <?php
                        $stmt_reserve = $pdo->query("SELECT * FROM reservations where id =
".$reservation['id']."");
                        $update_reservations = $stmt_reserve->fetchAll(PDO::FETCH_ASSOC);
                        foreach ($update_reservations as $update_reservation):
                            ?>
                            <div class="row">
                                <div class="col-lg-6">
                                    <div class="row">
                                        <div class="col-lg-6">
                                            <input type="hidden" name="reservation_id" value="<?php echo
$update_reservation['id']; ?>">
                                            <label for="customername" class="form-label">Customer name</label>
                                            <input type="text" class="form-control is-valid" id="customername"
value="<?php echo $update_reservation['customername']; ?>" name="customername"
placeholder="Lastname, Firstname Middle Initial" required>
                                            <div class="valid-feedback" id="name">
                                                Please enter Your FullName.
                                            </div>
                                        </div>
                                    </div>
                                <div class="col-lg-6">
                                    <div class="mb-3">
                                        <label for="contact" class="form-label">Contact Number</label>
                                        <input type="tel" class="form-control is-valid" pattern="[0-9]{4}-[0-
9]{3}-[0-9]{4}" value="<?php echo $update_reservation['contactnumber']; ?>"
```

# SEATWORK #3: Reservation System

```
name="contactnumber" id="contact" placeholder="09xx-xxx-xxxx" maxlength="13"
required>
    <div class="valid-feedback">
        Please enter Your Contact Number.
    </div>
</div>
</div>
<hr>
<label class="form-label fw-bolder">Reservation Date</label>
<div class="col-lg-6 mb-3">
    <label for="startdate" class="form-label">From: </label>
    <input type="date" class="form-control is-valid" id="startdate"
name="startdate" value="<?php echo $update_reservation['startdate']; ?>" required>
    <div class="valid-feedback" id="startDateError">Enter your preferred
Date</div>
    </div>
    <div class="col-lg-6 mb-3">
        <label for="enddate" class="form-label">To: </label>
        <input type="date" class="form-control is-valid" id="enddate"
name="enddate" value="<?php echo $update_reservation['enddate']; ?>" required>
        <div class="valid-feedback" id="endDateError">Enter your preferred
Date</div>
    </div>
    <div class="col-lg-4 mb-3">
        <!--roomtype-->
        <label for="validationServer01" class="form-label">Room Type: </label>
        <div class="form-check">
            <input type="radio" class="form-check-input"
id="validationFormCheck2" name="radio-stacked"
value="Suite"<?php if($update_reservation['roomtype'] == "Suite"){ ?> checked
<?php } ?>>
            <label class="form-check-label text-black"
for="validationFormCheck2">Suite</label>
        </div>
        <div class="form-check">
            <input type="radio" class="form-check-input"
id="validationFormCheck3" value="Deluxe" name="radio-
stacked"<?php if($update_reservation['roomtype'] == "Deluxe"){ ?> checked <?php }
?> >
            <label class="form-check-label text-black"
for="validationFormCheck3">Deluxe</label>
        </div>
        <div class="form-check">
            <input type="radio" class="form-check-input"
id="validationFormCheck4" value="Regular" name="radio-
```



# SEATWORK #3: Reservation System

```
stacked"<?php if($update_reservation['roomtype'] == "Regular"){ ?> checked <?php
} ?> >
        <label class="form-check-label text-black"
for="validationFormCheck4">Regular</label>
    </div>
</div>
    <!--roomtypecapacity-->
    <div class="col-lg-4 mb-3">
        <label for="validationServer01" class="form-label">Room Capacity:
</label>
        <div class="form-check">
            <input type="radio" class="form-check-input"
id="validationFormCheck2"value="Family"name="Capacity-
stacked"<?php if($update_reservation['roomcapacity'] == "Family"){ ?> checked
<?php } ?>>
            <label class="form-check-label text-black"
for="validationFormCheck2">Family</label>
        </div>
        <div class="form-check ">
            <input type="radio" class="form-check-input"
id="validationFormCheck3"value="Double" name="Capacity-stacked"
<?php if($update_reservation['roomcapacity'] == "Double"){ ?> checked <?php } ?>>
            <label class="form-check-label text-black"
for="validationFormCheck3">Double</label>
        </div>
        <div class="form-check ">
            <input type="radio" class="form-check-input"
id="validationFormCheck3"value="Single" name="Capacity-stacked"
<?php if($update_reservation['roomcapacity'] == "Single"){ ?> checked <?php } ?>>
            <label class="form-check-label text-black"
for="validationFormCheck3">Single</label>
        </div>
    </div>
    <!--paymenttype-->
    <div class="col-lg-4 mb-3">
        <label for="validationServer01" class="form-label">Payment Type: </label>
        <div class="form-check">
            <input type="radio" class="form-check-input"
id="validationFormCheck2"value="Cash" name="Payment-
stacked" <?php if($update_reservation['paymenttype'] == "Cash"){ ?> checked
<?php } ?>>
            <label class="form-check-label text-black"
for="validationFormCheck2">Cash</label>
        </div>
        <div class="form-check ">
```

# SEATWORK #3: Reservation System

```

        <input type="radio" class="form-check-input"
id="validationFormCheck3"value="Check" name="Payment-stacked"
<?php if($update_reservation['paymenttype'] == "Check"){ ?> checked <?php } ?>>
        <label class="form-check-label text-black"
for="validationFormCheck3">Check</label>
    </div>
    <div class="form-check ">
        <input type="radio" class="form-check-input"
id="validationFormCheck3"value="Credit Card" name="Payment-stacked"
<?php if($update_reservation['paymenttype'] == "Credit Card"){ ?> checked <?php }
?>>
        <label class="form-check-label text-black"
for="validationFormCheck3">Credit Card</label>
    </div>
</div>
</div>
</div>

    <div class="col-lg-1">
    <div class="v1"></div>
    </div>
    <?php
$rateperday = 0;
$discount = 0;
$discountpay = 0;

// Calculate rate per day based on room type and capacity
if ($update_reservation['roomtype'] == "Regular" &&
$update_reservation['roomcapacity'] == "Single") {
    $rateperday = 100;
} elseif ($update_reservation['roomtype'] == "Deluxe" &&
$update_reservation['roomcapacity'] == "Single") {
    $rateperday = 300;
} elseif ($update_reservation['roomtype'] == "Suite" &&
$update_reservation['roomcapacity'] == "Single") {
    $rateperday = 500;
} elseif ($update_reservation['roomtype'] == "Regular" &&
$update_reservation['roomcapacity'] == "Double") {
    $rateperday = 200;
} elseif ($update_reservation['roomtype'] == "Deluxe" &&
$update_reservation['roomcapacity'] == "Double") {
    $rateperday = 500;
} elseif ($update_reservation['roomtype'] == "Suite" &&
$update_reservation['roomcapacity'] == "Double") {
    $rateperday = 800;

```

# SEATWORK #3: Reservation System

```
} elseif ($update_reservation['roomtype'] == "Regular" &&
$update_reservation['roomcapacity'] == "Family") {
    $rateperday = 500;
} elseif ($update_reservation['roomtype'] == "Deluxe" &&
$update_reservation['roomcapacity'] == "Family") {
    $rateperday = 750;
} elseif ($update_reservation['roomtype'] == "Suite" &&
$update_reservation['roomcapacity'] == "Family") {
    $rateperday = 1000;
}

// Calculate discount based on number of days
if ($reservation['num_days'] >= 3 && $reservation['num_days'] <= 5) {
    $discount = 0.10; // 10% discount for 3-5 days
} else if ($reservation['num_days'] >= 6) {
    $discount = 0.15; // 15% discount for 6 days and above
} else {
    $discount = 0; // No discount for less than 3 days
}

// Calculate discount based on payment type
if ($update_reservation['paymenttype'] == "Check") {
    $discountpay = 0.05;
} elseif ($update_reservation['paymenttype'] == "Credit Card") {
    $discountpay = 0.10;
}

// Calculate subtotal, discount, and total bills
$subTotal = $rateperday * $reservation['num_days'];
$totalDiscount = $subTotal * $discount;
$totalDiscounted = $subTotal - $totalDiscount;
$totalBills = $totalDiscounted * (1 - $discountpay);
?>

<div class="col-lg-5">
    <h2>Billing Statements:</h2>
    <div style="margin-left: -3rem;">
        <h3>No. of days: <?php echo $reservation['num_days']; ?> </h3>
        <h3>Sub-Total: ₱<?php echo number_format($subTotal, 2); ?> </h3>
        <h3>Discount: ₱<?php echo number_format($totalDiscount, 2); ?> </h3>
        <h3>Total Bills: ₱<?php echo number_format($totalBills, 2); ?> </h3>
    </div>
</div>
```

# SEATWORK #3: Reservation System

```
        </div>
    <?php endforeach; ?>
    <hr>
    <div class="d-grid gap-2 d-md-flex justify-content-md-end">
        <button type="submit" class="btn btn-primary" name="submit" >Update
Reservation</button>
    </div>
</div>
    </form>
</div>
</div>
</div>
<?php endforeach; ?>

<script>
    const inputElement = document.getElementById('customername');

    inputElement.addEventListener('input', function() {
        const inputValue = this.value;

        // Regular expression to check if the input contains letters with comma or
period
        const pattern = /^[a-zA-Z,.\s]+$/;

        // If input matches the pattern, set class to is-valid, else set to is-
invalid
        if (pattern.test(inputValue)) {
            this.classList.remove('is-invalid');
            this.classList.remove('is-invalid');
            this.classList.add('is-valid');
        } else {
            this.classList.remove('is-valid');
            this.classList.add('is-invalid');
        }
    });

    document.getElementById("contact").addEventListener("input", function() {
        const phoneNumberInput = this.value;
        const phoneNumberPattern = /^\d{4}-\d{3}-\d{4}$/;

        if (phoneNumberPattern.test(phoneNumberInput)) {
            // Valid phone number format
            this.classList.remove("is-invalid");
        }
    });
}
```

# SEATWORK #3: Reservation System

```
        this.classList.add("is-valid");

    } else {
        // Invalid phone number format
        this.classList.remove("is-valid");
        this.classList.add("is-invalid");
    }
});

document.getElementById("startdate").addEventListener("input", function() {
    validateDateInputs();
});

document.getElementById("enddate").addEventListener("input", function() {
    validateDateInputs();
});

function validateDateInputs() {
    const startDateInput = document.getElementById("startdate");
    const endDateInput = document.getElementById("enddate");
    const startDateValue = startDateInput.value;
    const endDateValue = endDateInput.value;

    if (startDateValue.trim() !== "" && endDateValue.trim() !== "") {
        if (new Date(startDateValue) <= new Date(endDateValue)) {
            // Both dates are valid, end date is not less than start date
            startDateInput.classList.remove("is-invalid");
            startDateInput.classList.add("is-valid");
            endDateInput.classList.remove("is-invalid");
            endDateInput.classList.add("is-valid");
            document.getElementById("startDateError").style.display = "none";
            document.getElementById("endDateError").style.display = "none";
        } else {
            // End date is less than start date
            startDateInput.classList.remove("is-valid");
            startDateInput.classList.add("is-invalid");
            endDateInput.classList.remove("is-valid");
            endDateInput.classList.add("is-invalid");
            document.getElementById("startDateError").style.display = "block";
            document.getElementById("endDateError").style.display = "block";
        }
    } else {
        // One or both inputs are empty
        startDateInput.classList.remove("is-valid");
    }
}
```

# SEATWORK #3: Reservation System

```
        startDateInput.classList.add("is-invalid");
        endDateInput.classList.remove("is-valid");
        endDateInput.classList.add("is-invalid");
        document.getElementById("startDateError").style.display = "block";
        document.getElementById("endDateError").style.display = "block";
    }
}

</script>
</body>
</html>
```

## Code: (backend.php)

```
<?php
// Database connection settings
$host = 'localhost';
$dbname = 'Reservation';
$username = 'root';
$password = '';

// Establish database connection using PDO
try {
    $pdo = new PDO("mysql:host=$host;dbname=$dbname", $username, $password);
    // Set PDO error mode to exception
    $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    die("Error: " . $e->getMessage());
}

// Check if form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Retrieve form data
    $customername = $_POST['customername'];
    $contactnumber = $_POST['contactnumber'];
    $startdate = $_POST['startdate'];
    $enddate = $_POST['enddate'];
    $roomtype = $_POST['radio-stacked'];
    $roomcapacity = $_POST['Capacity-stacked'];
    $paymenttype = $_POST['Payment-stacked'];
```

# SEATWORK #3: Reservation System

```
// Prepare SQL INSERT statement
$stmt = $pdo->prepare("INSERT INTO reservations (customername, contactnumber,
startdate, enddate, roomtype, roomcapacity, paymenttype)
VALUES (:customername, :contactnumber, :startdate,
:enddate, :roomtype, :roomcapacity, :paymenttype)");

// Bind parameters
$stmt->bindParam(':customername', $customername);
$stmt->bindParam(':contactnumber', $contactnumber);
$stmt->bindParam(':startdate', $startdate);
$stmt->bindParam(':enddate', $enddate);
$stmt->bindParam(':roomtype', $roomtype);
$stmt->bindParam(':roomcapacity', $roomcapacity);
$stmt->bindParam(':paymenttype', $paymenttype);

// Execute the prepared statement
try {
    $stmt->execute();
    header("Location: ../displayreservation.php");
    echo "Reservation submitted successfully.";
} catch (PDOException $e) {
    echo "Error: " . $e->getMessage();
}
}
?>
```

## Code: (delete\_reservation.php)

```
<?php
// Database connection settings
$host = 'localhost';
$dbname = 'Reservation';
$username = 'root';
$password = '';

// Establish database connection using PDO
try {
    $pdo = new PDO("mysql:host=$host;dbname=$dbname", $username, $password);
    // Set PDO error mode to exception
    $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
```

# SEATWORK #3: Reservation System

```
} catch (PDOException $e) {
    die("Error: " . $e->getMessage());
}

// Check if reservation ID is provided via POST method
if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST['reservation_id'])) {
    // Retrieve reservation ID from POST data
    $reservation_id = $_POST['reservation_id'];

    // Prepare SQL statement to delete the reservation
    $stmt = $pdo->prepare("DELETE FROM reservations WHERE id = :id");

    // Bind the reservation ID parameter
    $stmt->bindParam(':id', $reservation_id);

    // Execute the prepared statement
    try {
        $stmt->execute();
        // Redirect back to the page where reservations are displayed after
        // deletion
        header("Location: ../displayreservation.php");
        exit();
    } catch (PDOException $e) {
        echo "Error: " . $e->getMessage(); // Print any errors that occur during
        // execution
    }
} else {
    // If reservation ID is not provided or if the request method is not POST,
    // redirect to an error page or display an error message
    // Redirect or display error message as per your application's requirements
}
?>
```

## Code: (update\_reservation.php)

```
<?php
// Database connection settings
$host = 'localhost';
$dbname = 'Reservation';
$username = 'root';
$password = '';
```



# SEATWORK #3: Reservation System

```
// Establish database connection using PDO
try {
    $pdo = new PDO("mysql:host=$host;dbname=$dbname", $username, $password);
    // Set PDO error mode to exception
    $pdo->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_EXCEPTION);
} catch (PDOException $e) {
    die("Error: " . $e->getMessage());
}

// Check if form is submitted
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    // Retrieve form data
    $id = $_POST['reservation_id']; // Hidden input field containing reservation
    ID
    $customername = $_POST['customername'];
    $contactnumber = $_POST['contactnumber'];
    $startdate = $_POST['startdate'];
    $enddate = $_POST['enddate'];
    $roomtype = $_POST['radio-stacked'];
    $roomcapacity = $_POST['Capacity-stacked'];
    $paymenttype = $_POST['Payment-stacked'];

    // Prepare SQL UPDATE statement
    $stmt = $pdo->prepare("UPDATE reservations SET customername = :customername,
contactnumber = :contactnumber, startdate = :startdate, enddate = :enddate,
roomtype = :roomtype, roomcapacity = :roomcapacity, paymenttype = :paymenttype
WHERE id = :id");

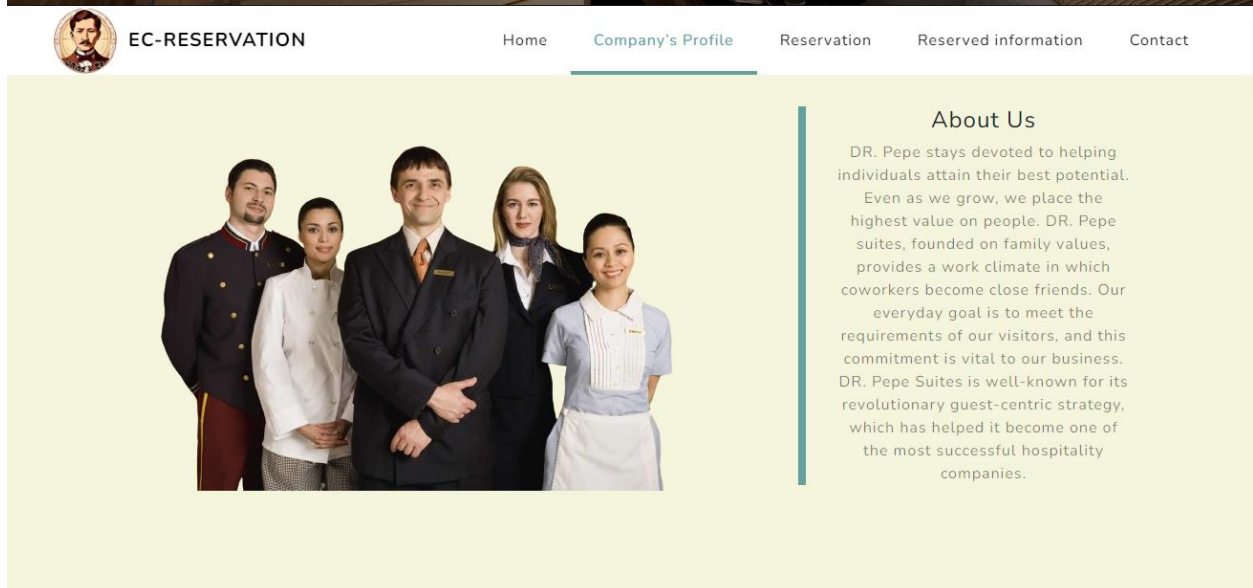
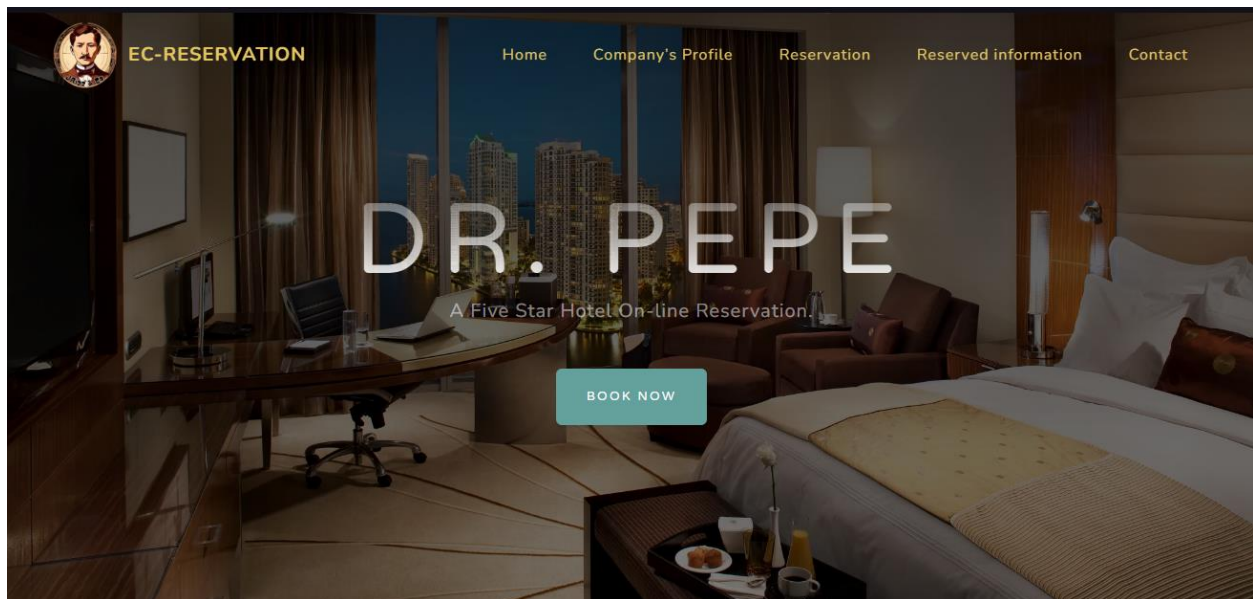
    // Bind parameters
    $stmt->bindParam(':id', $id);
    $stmt->bindParam(':customername', $customername);
    $stmt->bindParam(':contactnumber', $contactnumber);
    $stmt->bindParam(':startdate', $startdate);
    $stmt->bindParam(':enddate', $enddate);
    $stmt->bindParam(':roomtype', $roomtype);
    $stmt->bindParam(':roomcapacity', $roomcapacity);
    $stmt->bindParam(':paymenttype', $paymenttype);

    // Execute the prepared statement
    try {
        $stmt->execute();
        // Redirect back to displayreservation.php after update
        header("Location: ../displayresrvation.php");
        exit();
    }
}
```

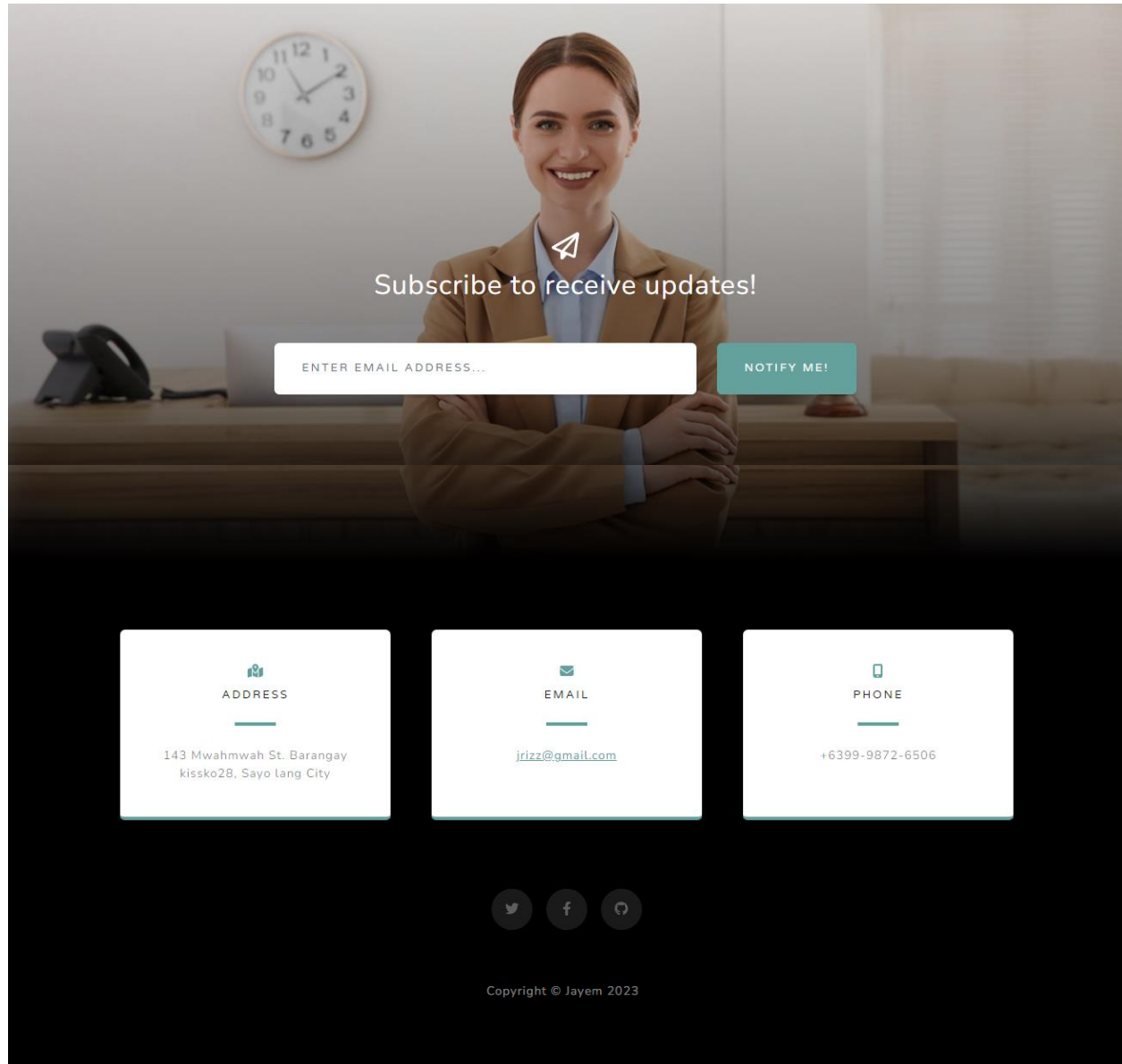
# SEATWORK #3: Reservation System

```
} catch (PDOException $e) {  
    echo "Error: " . $e->getMessage(); // Print any errors that occur during  
    execution  
}  
}  
?>
```


## OUTPUT



# SEATWORK #3: Reservation System



# SEATWORK #3: Reservation System

EC-RESERVATION

Reservation: (Supply the Necessary Information below) ✕

Customer name

Lastname, Firstname Middle Initial ⓘ

Please enter Your FullName.

Contact Number

09xx-xxx-xxxx ⓘ

Please enter Your Contact Number.

Reservation Date

From:

mm/dd/yyyy ⓘ

Enter your preferred Date

To:

mm/dd/yyyy ⓘ

Enter your preferred Date

Room Type:

☒ Suite

☐ Deluxe

☐ Regular

Room Capacity:

☒ Family

☐ Double

☐ Single

Payment Type:


☒ Cash

☐ Check

☐ Credit Card





CLEAR

SUBMIT RESERVATION

EC-RESERVATION


HomeCompany's ProfileReservationReserved informationContact

10 entries per pageSearch:

ID	Customer Name	Contact Number	Start Date	End Date	Room Type	Room Capacity	Payment Type	Actions
RS_03	Enrique, Jhon Mark A.	0999-872-6506	2024-04-11	2024-04-27	Suite	Family	Cash	 
RS_05	Enrique, Jhon Mark A.	0999-872-6506	2024-04-23	2024-04-26	Regular	Double	Credit Card	 

Showing 1 to 2 of 2 entries

« 1 »

EC-RESERVATION

Reservation: (Supply the Necessary Information below) ✕

Customer name

Enrique, Jhon Mark A. ✓

Please enter Your FullName.

Contact Number

0999-872-6506 ✓

Please enter Your Contact Number.

Reservation Date

From:

04/11/2024 ⓘ

Enter your preferred Date

To:

04/27/2024 ⓘ

Enter your preferred Date

Room Type:

☒ Suite

☐ Deluxe

☐ Regular

Room Capacity:

☒ Family

☐ Double

☐ Single

Payment Type:

☒ Cash

☐ Check

☐ Credit Card

Billing Statements:

No. of days: 16

Sub-Total: ₱16,000.00

Discount: ₱2,400.00

Total Bills: ₱13,600.00

UPDATE RESERVATION