

# Design an interactive web portal for user registration, login, and dashboard for online hotel booking.

## ❖ Introduction

The Online Hotel Booking Management System is a web-based application designed to facilitate easy and convenient hotel reservations for customers. It provides a platform for users to browse through various hotels, view their details, check availability, and make reservations online. The system streamlines the booking process, making it efficient for both customers and hotel staff.

## ❖ Objectives

- To develop a user-friendly interface for hotel booking.
- To automate the process of hotel room availability checking and reservation.
- To provide real-time updates on room availability and pricing.
- To enhance customer experience by offering secure online payment options.
- To enable hotel administrators to manage bookings, room details, and customer data effectively.

## ❖ Features

- **User Registration and Login:** Customers can create accounts and log in securely to access the booking system.
- **Hotel Search:** Users can search for hotels based on location, dates, and other preferences.
- **Room Availability:** The system displays real-time information about room availability and pricing.
- **Booking Management:** Customers can make, modify, or cancel bookings through the platform.
- **Payment Integration:** Secure payment gateways are integrated to facilitate online transactions.
- **Admin Panel:** Hotel administrators can manage hotel details, room inventory, bookings, and customer data.

## ❖ Technologies Used

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** PHP, MySQL
- **Frameworks:** Bootstrap for responsive design
- **Web Server:** Apache Server

## ❖ System Architecture

The system follows a client-server architecture where the client (web browser) interacts with the server hosting the application. The server processes user requests, retrieves data from the database, and sends responses back to the client.

## ❖ Implementation

The system is implemented using a combination of frontend and backend technologies. The frontend is developed using HTML, CSS, and JavaScript to create an intuitive user interface. PHP is used for server-side scripting, while MySQL database stores hotel and booking-related data.

## 🏠 Home Page Design

The home page serves as the initial point of interaction for users visiting the Online Hotel Booking Management System. It provides essential information about the system and allows users to navigate to various sections such as About, Room Information, Sign In, and Register.

### Index.php

```
<?php
ob_start();
session_start();
?>
<!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="msapplication-TileColor" content="#da532c">
    <meta name="theme-color" content="#ffffff">

    <link rel="apple-touch-icon" sizes="180x180" href="image/favicon/apple-touch-icon.png">
    <link rel="icon" type="image/png" sizes="32x32" href="image/favicon/favicon-32x32.png">
    <link rel="icon" type="image/png" sizes="16x16" href="image/favicon/favicon-16x16.png">
    <link rel="manifest" href="image/favicon/site.webmanifest">
    <link rel="mask-icon" href="image/favicon/safari-pinned-tab.svg" color="#5bbad5">

    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.min.css">
    <link rel="stylesheet"
href="https://cdn.datatables.net/1.10.16/css/jquery.dataTables.min.css">
    <link rel="stylesheet"
href="https://cdn.datatables.net/select/1.2.5/css/select.dataTables.min.css">
    <link rel="stylesheet" href="css/main.css">

<?php

require 'lib/PHPassWordHashing/passwordLib.php';
require 'app/DB.php';
require 'app/Util.php';
require 'app/dao/CustomerDAO.php';
require 'app/dao/BookingDetailDAO.php';
require 'app/models/RequirementEnum.php';
require 'app/models/Customer.php';
require 'app/models/Booking.php';
require 'app/models/Reservation.php';
```

```

require 'app/handlers/CustomerHandler.php';
require 'app/handlers/BookingDetailHandler.php';

$username = $cHandler = $bdHandler = $cBookings = null;
$isSessionExists = false;
$isAdmin = [];
if (isset($_SESSION["username"])) {
    $username = $_SESSION["username"];

    $cHandler = new CustomerHandler();
    $cHandler = $cHandler->getCustomerObj($_SESSION["accountEmail"]);
    $cAdmin = new Customer();
    $cAdmin->setEmail($cHandler->getEmail());

    $bdHandler = new BookingDetailHandler();
    $cBookings = $bdHandler->getCustomerBookings($cHandler);
    $isSessionExists = true;
    $isAdmin = $_SESSION["authenticated"];
}
if (isset($_SESSION["isAdmin"]) && isset($_SESSION["username"])) {
    $isSessionExists = true;
    $username = $_SESSION["username"];
    $isAdmin = $_SESSION["isAdmin"];
}

// if (isset($_COOKIE['is_admin'])) {
//     echo $_COOKIE['is_admin'];
//     var_dump($isAdmin);
// }

?>
<title>Home</title>
<?php //echo '<title>Home isAdmin=' . $isAdmin . ' $isSessionExists=' . $isSessionExists
. '</title>'?>
</head>
<body>

<header>
    <div class="bg-dark collapse" id="navbarHeader" style="">
        <div class="container">
            <div class="row">
                <div class="col-sm-8 col-md-7 py-4">
                    <h4 class="text-white">About</h4>
                    <p class="text-muted">Add some information about hotel booking.</p>
                </div>
                <div class="col-sm-4 offset-md-1 py-4 text-right">
                    <?php if ($isSessionExists) { ?>
                    <h4 class="text-white"><?php echo $username; ?></h4>
                    <ul class="list-unstyled">

```

```

                <?php if ($isAdmin[1] == "true" && isset($_COOKIE['is_admin'])) &&
$_COOKIE['is_admin'] == "true") { ?>
                <li><a href="admin.php" class="text-white">Manage customer
reservation(s)<i class="far fa-address-book ml-2"></i></a></li>
                <?php } else { ?>
                <li><a href="#" class="text-white my-reservations">View my bookings<i
class="far fa-address-book ml-2"></i></a></li>
                <li>
                    <a href="#" class="text-white" data-toggle="modal" data-
target="#myProfileModal">Update profile<i class="fas fa-user ml-2"></i></a>
                </li>
                <?php } ?>
                <li><a href="#" id="sign-out-link" class="text-white">Sign out<i
class="fas fa-sign-out-alt ml-2"></i></a></li>
                </ul>
                <?php } else { ?>
                <h4>
                    <a class="text-white" href="sign-in.php">Sign in</a> <span
class="text-white">or</span>
                    <a href="register.php" class="text-white">Register </a>
                </h4>
                <p class="text-muted">Log in so you can take advantage with our hotel
room prices.</p>
                <?php } ?>
            </div>
        </div>
    </div>
    <div class="navbar navbar-dark bg-dark box-shadow">
        <div class="container d-flex justify-content-between">
            <a href="#" class="navbar-brand d-flex align-items-center">
                <i class="fas fa-h-square mr-2"></i>
                <strong>Hotel Booking</strong>
            </a>
            <button class="navbar-toggler collapsed" type="button" data-toggle="collapse"
data-target="#navbarHeader" aria-controls="navbarHeader" aria-expanded="false" aria-
label="Toggle navigation">
                <span class="navbar-toggler-icon"></span>
            </button>
        </div>
    </div>
    <div class="container my-3" id="my-reservations-div">
        <h4>Reservations</h4>
        <table id="myReservationsTbl" class="table table-striped table-bordered"
cellspacing="0" width="100%">
            <thead>
                <tr>
                    <th scope="col">#</th>
                    <th class="text-hide p-0" data-bookId="12">12</th>
                    <th scope="col">Start date</th>

```

```

        <th scope="col">End date</th>
        <th scope="col">Room type</th>
        <th scope="col">Requirements</th>
        <th scope="col">Adults</th>
        <th scope="col">Children</th>
        <th scope="col">Requests</th>
        <th scope="col">Timestamp</th>
        <th scope="col">Status</th>
    </tr>
</thead>
<tbody>
<?php if (!empty($cBookings) && $bdHandler->getExecutionFeedback() == 1) { ?>
    <?php foreach ($cBookings as $k => $v) { ?>
        <tr>
            <th scope="row"><?php echo ($k + 1); ?></th>
            <td class="text-hide p-0"><?php echo $v["id"]; ?></td>
            <td><?php echo $v["start"]; ?></td>
            <td><?php echo $v["end"]; ?></td>
            <td><?php echo $v["type"]; ?></td>
            <td><?php echo $v["requirement"]; ?></td>
            <td><?php echo $v["adults"]; ?></td>
            <td><?php echo $v["children"]; ?></td>
            <td><?php echo $v["requests"]; ?></td>
            <td><?php echo $v["timestamp"]; ?></td>
            <td><?php echo $v["status"]; ?></td>
        </tr>
    <?php } ?>
<?php } ?>
</tbody>
</table>
</div>
</header>

<main role="main">

    <section class="jumbotron text-center">
        <div class="container pt-lg-5 pl-5 px-5">
            <h1 class="display-3">A brand new hotel beyond ordinary</h1>
            <p class="lead text-muted">Book your summer holidays with us now.</p>
            <p>
                <?php if ($isSessionExists) { ?>
                    <a href="#" class="btn btn-success my-2" data-toggle="modal" data-
target=".book-now-modal-lg">Book now<i class="fas fa-angle-double-right ml-1"></i></a>
                <?php } else { ?>
                    <a href="#" class="btn btn-success my-2" data-toggle="modal" data-
target=".sign-in-to-book-modal">Book now<i class="fas fa-angle-double-right ml-1"></i></a>
                <?php } ?>
            </p>
        </div>
    </section>

```

```

<div class="container">
  <div class="pricing-header px-3 py-3 pt-md-5 pb-md-4 mx-auto text-center">
    <h1 class="display-4">Pricing</h1>
    <p class="lead">Quickly build an effective pricing table for your potential
customers with this Bootstrap example. It's built with default Bootstrap components and
utilities with little customization.</p>
  </div>
</div>

<div class="album py-5 bg-light">
  <div class="container">
    <div class="row">
      <div class="col-md-4">
        <div class="card mb-4 box-shadow">
          <div class="card-header">
            <h5 class="my-0 font-weight-normal">Deluxe Room</h5>
          </div>
          
          <div class="card-body">
            <p class="card-text">The ultimate sanctuary to recharge the
senses, the beautifully-appointed 24sqm Deluxe Room exudes sheer sophistication and elegance.
Located on the higher floors, each Deluxe Room is characterised by elevated ceilings and full
length bay windows, transforming your living space into an atmospheric abode.</p>
            <div class="d-flex justify-content-between align-items-center">
              <div class="btn-group">
                <?php if ($isSessionExists) { ?>
                  <button type="button" class="btn btn-sm btn-outline-
success" data-rtype="Deluxe" data-toggle="modal" data-target=".book-now-modal-lg">
                    Book
                  </button>
                <?php } else { ?>
                  <button type="button" class="btn btn-sm btn-outline-
success" data-toggle="modal" data-target=".sign-in-to-book-modal">
                    Book
                  </button>
                <?php } ?>
              </div>
              <small class="text-muted">$250 / night</small>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>
  <div class="col-md-4">
    <div class="card mb-4 box-shadow">
      <div class="card-header">
        <h5 class="my-0 font-weight-normal">Double Room</h5>

```

```

        </div>
        
        <div class="card-body">
            <p class="card-text">The standard twin room is equipped with two
single beds to house two people. An enticing set of top notch facilities to the optimum
security level, a fully air conditioned twin room remains the perfect choice for your needs.
Book hotel rooms with us and enjoy your trip with full fervor.</p>
            <div class="d-flex justify-content-between align-items-center">
                <?php if ($isSessionExists) { ?>
                    <button type="button" class="btn btn-sm btn-outline-success"
data-rtype="Double" data-toggle="modal" data-target=".book-now-modal-lg">
                        Book
                    </button>
                <?php } else { ?>
                    <button type="button" class="btn btn-sm btn-outline-success"
data-toggle="modal" data-target=".sign-in-to-book-modal">
                        Book
                    </button>
                <?php } ?>
                <small class="text-muted">$180 / night</small>
            </div>
        </div>
    </div>
</div>
<div class="col-md-4">
    <div class="card mb-4 box-shadow">
        <div class="card-header">
            <h5 class="my-0 font-weight-normal">Single Room</h5>
        </div>
        
        <div class="card-body">
            <p class="card-text">A modestly sized single room with en suite
bathroom with shower and/or bathtub, a hairdryer and complimentary toiletries. Amenities
include free WiFi, a telephone, a minibar, and a flat-screen TV with a variety of channels
and films.</p>
            <div class="d-flex justify-content-between align-items-center">
                <?php if ($isSessionExists) { ?>
                    <button type="button" class="btn btn-sm btn-outline-success"
data-toggle="modal" data-rtype="Single" data-target=".book-now-modal-lg">
                        Book
                    </button>
                <?php } else { ?>
                    <button type="button" class="btn btn-sm btn-outline-success"
data-toggle="modal" data-target=".sign-in-to-book-modal">

```





```

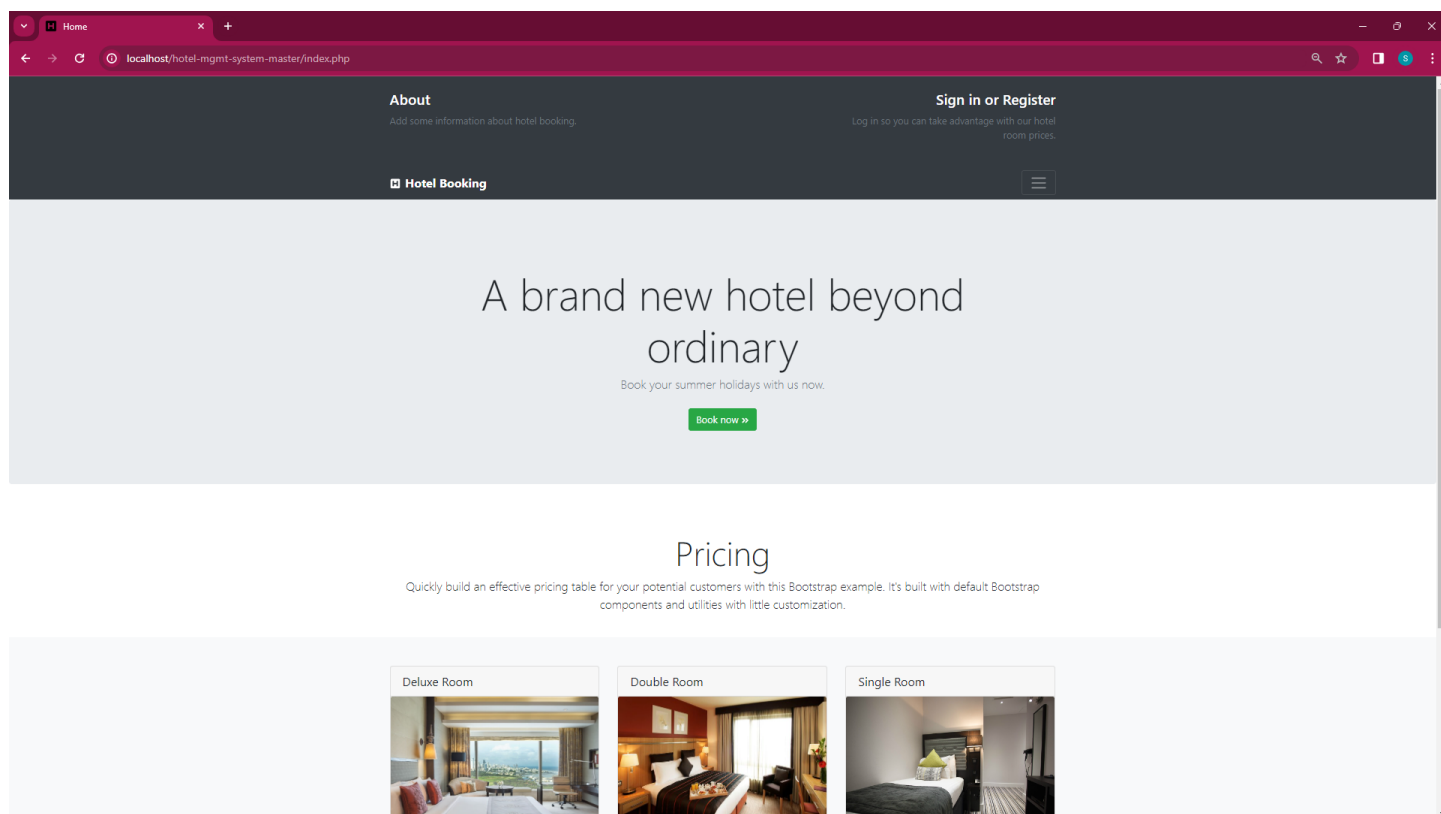
$(".my-reservations").click(function () {
    reservationDiv.slideToggle("slow");
});
$('#myReservationsTbl').DataTable();

// dynamically entered room type value on show modal
$('.book-now-modal-lg').on('show.bs.modal', function (event) {
    let button = $(event.relatedTarget);
    let roomType = button.data('rtype');
    let modal = $(this);
    modal.find('.modal-body select[name=roomType]').val(roomType);
});

// check-in policies popover
 $('[data-toggle="popover"]').popover();

});
</script>
<script src="js/multiStepsRsvn.js"></script>
</body>
</html>

```



## Register Page

The Register page serves as a gateway for new users to create accounts within the Online Hotel Booking Management System. It is designed to collect essential information from users, including their name, phone number, email address, and password. Additionally, users are prompted to confirm their password to ensure accuracy and security.

### Register.php

```
<?php
ob_start();
session_start();

if (isset($_SESSION["authenticated"]))
{
    if ($_SESSION["authenticated"] == "1")
    {
        header("Location: index.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">

    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.min.css">
    <link rel="stylesheet" href="css/main.css">

    <title>Register</title>
</head>
<body class="bg-secondary">

<div class="container py-5">
    <div class="row">
        <div class="col-md-12">
            <h2 class="text-center mb-5">Hotel Management System Registration</h2>
            <div class="row">
                <div class="col-md-6 mx-auto card-holder">
                    <div class="card border-secondary">
                        <div class="card-header">
                            <h3 class="mb-0 my-2">Sign Up</h3>
                        </div>
                        <div class="card-body">
                            <form class="form" role="form" autocomplete="off"
id="registration-form" method="post">
                                <div class="form-group">
                                    <label for="registrationFullName">Name</label>
```

```

        <input type="text" class="form-control"
            id="registrationFullName"
            name="registrationFullName"
            placeholder="Full name">
    </div>
    <div class="form-group">
        <label for="registrationPhoneNumber">Phone Number</label>
        <input type="text" class="form-control"
            id="registrationPhoneNumber"
            name="registrationPhoneNumber"
            placeholder="(123) 456-7890">
    </div>
    <div class="form-group">
        <label for="registrationEmail">Email</label>
        <span class="red-asterisk"> *</span>
        <input type="email" class="form-control"
            id="registrationEmail"
            name="registrationEmail"
            placeholder="email@domain.com" required="">
    </div>
    <div class="form-group">
        <label for="registrationPassword">Password</label>
        <span class="red-asterisk"> *</span>
        <input type="password" class="form-control"
            id="registrationPassword"
            name="registrationPassword"
            placeholder="password"
            title="At least 4 characters with letters and
numbers"
            required="">
    </div>
    <div class="form-group">
        <label for="registrationPassword2">Confirm
Password</label>
        <span class="red-asterisk"> *</span>
        <input type="password" class="form-control"
            id="registrationPassword2"
            name="registrationPassword2"
            placeholder="Retype Password" required="">
    </div>
    <div class="form-group">
        <p>Already registered? <a href="sign-in.php">Sign in
here.</a></p>
    </div>
    <div class="form-group">
        <a href="index.php" class="btn btn-dark">Home</a>
        <input type="submit" class="btn btn-primary btn-md float-
right"
            name="registerSubmitBtn" value="Submit">
    </div>

```



```

if (isset($_SESSION["authenticated"]))
{
    if ($_SESSION["authenticated"] == "1")
    {
        header("Location: index.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">

    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.min.css">
    <link rel="stylesheet" href="css/main.css">

    <title>Sign in</title>
</head>
<body class="bg-secondary">

<div class="container py-5">
    <div class="row">
        <div class="col-md-12">
            <h2 class="text-center mb-5">Hotel Management System Login</h2>
            <div class="row">
                <div class="col-md-6 mx-auto">
                    <div class="card border-secondary">
                        <div class="card-header">
                            <h3 class="mb-0 my-2">Login</h3>
                        </div>
                        <div class="card-body">
                            <form class="form" role="form" autocomplete="off" id="login-form"
method="post">

                                <div class="form-group">
                                    <label for="loginEmail">Email</label>
                                    <span class="red-asterisk"> *</span>
                                    <input type="text" class="form-control"
                                        id="loginEmail"
                                        name="loginEmail"
                                        placeholder="email address"
                                        required>
                                </div>
                                <div class="form-group">
                                    <label for="loginPassword">Password</label>
                                    <span class="red-asterisk"> *</span>
                                    <input type="password" class="form-control"
                                        id="loginPassword"
                                        name="loginPassword"
                                        placeholder="password"

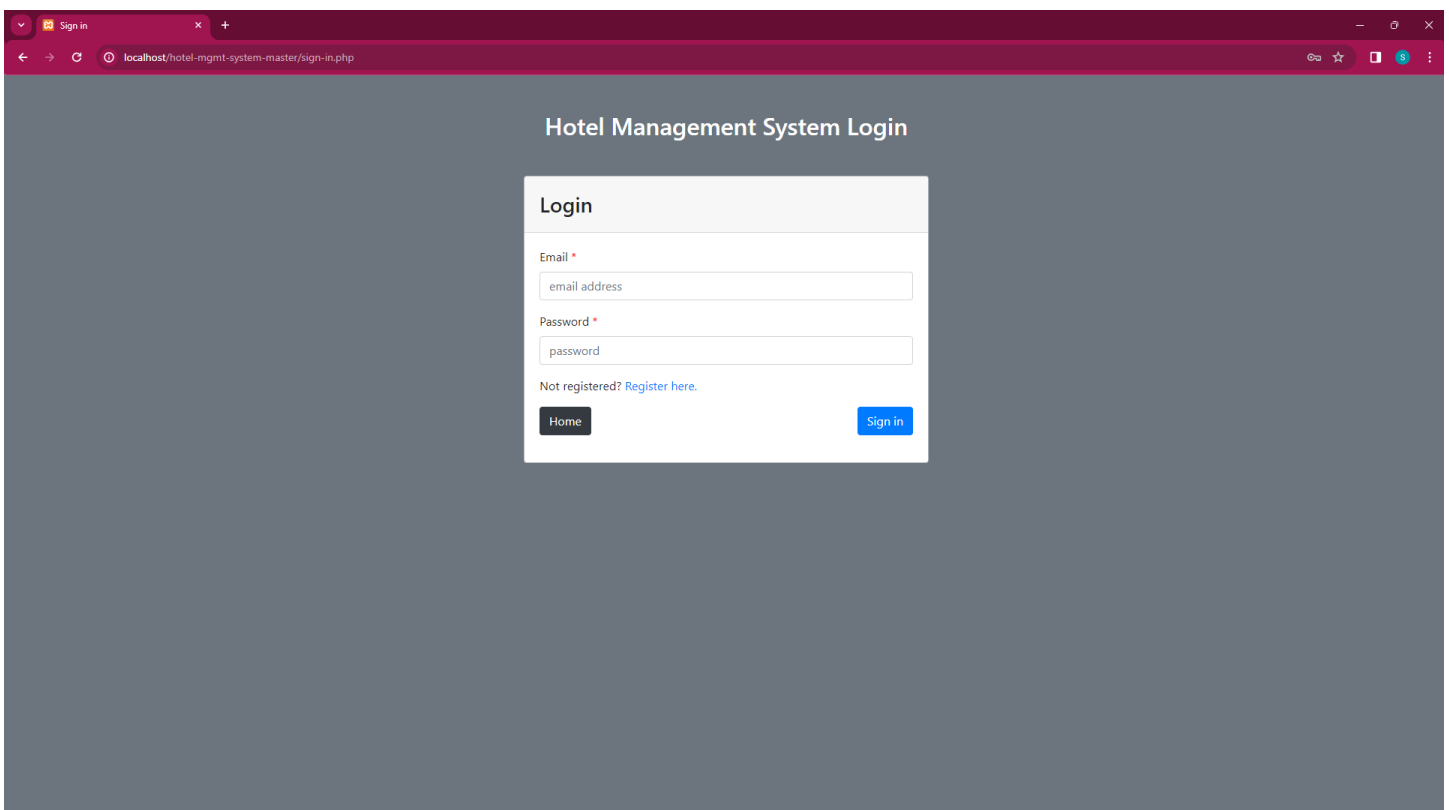
```

```

                                required>
                            </div>
                            <div class="form-group">
                                <p>Not registered? <a href="register.php">Register
here.</a></p>

                                </div>
                                <div class="form-group">
                                    <a href="index.php" class="btn btn-dark">Home</a>
                                    <input type="submit" class="btn btn-primary btn-md float-
right"
                                value="Sign in" name="loginSubmitBtn">
                                </div>
                            </form>
                        </div>
                    </div>
                </div>
            </div>
        </div>
        <script src="js/utilityFunctions.js"></script>
        <script src="node_modules/jquery/dist/jquery.min.js"></script>
        <script src="node_modules/popper.js/dist/popper.min.js"></script>
        <script src="node_modules/bootstrap/dist/js/bootstrap.min.js"></script>
        <script src="js/form-submission.js"></script>
    </body>
</html>

```



## Dashboard

### Dashboard.php

```
<header>
    <div class="bg-dark collapse" id="navbarHeader" style="">
        <div class="container">
            <div class="row">
                <div class="col-sm-8 col-md-7 py-4">
                    <h4 class="text-white">About</h4>
                    <p class="text-muted">Add some information about hotel booking.</p>
                </div>
                <div class="col-sm-4 offset-md-1 py-4 text-right">
                    <?php if ($isSessionExists) { ?>
                    <h4 class="text-white"><?php echo $username; ?></h4>
                    <ul class="list-unstyled">
                        <?php if ($isAdmin[1] == "true" && isset($_COOKIE['is_admin'])) &&
$_COOKIE['is_admin'] == "true") { ?>
                            <li><a href="admin.php" class="text-white">Manage customer
reservation(s)<i class="far fa-address-book ml-2"></i></a></li>
                            <?php } else { ?>
                            <li><a href="#" class="text-white my-reservations">View my bookings<i
class="far fa-address-book ml-2"></i></a></li>
                            <li>
                                <a href="#" class="text-white" data-toggle="modal" data-
target="#myProfileModal">Update profile<i class="fas fa-user ml-2"></i></a>
                            </li>
                            <?php } ?>
                            <li><a href="#" id="sign-out-link" class="text-white">Sign out<i
class="fas fa-sign-out-alt ml-2"></i></a></li>
                        </ul>
                        <?php } else { ?>
                        <h4>
                            <a class="text-white" href="sign-in.php">Sign in</a> <span
class="text-white">or</span>
                            <a href="register.php" class="text-white">Register </a>
                        </h4>
                        <p class="text-muted">Log in so you can take advantage with our hotel
room prices.</p>
                        <?php } ?>
                    </div>
                </div>
            </div>
        </div>
    <div class="navbar navbar-dark bg-dark box-shadow">
        <div class="container d-flex justify-content-between">
            <a href="#" class="navbar-brand d-flex align-items-center">
                <i class="fas fa-h-square mr-2"></i>
                <strong>Hotel Booking</strong>
            </a>
```

```

        <button class="navbar-toggler collapsed" type="button" data-toggle="collapse"
data-target="#navbarHeader" aria-controls="navbarHeader" aria-expanded="false" aria-
label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
    </div>
</div>
<div class="container my-3" id="my-reservations-div">
    <h4>Reservations</h4>
    <table id="myReservationsTbl" class="table table-striped table-bordered"
cellspacing="0" width="100%">
        <thead>
            <tr>
                <th scope="col">#</th>
                <th class="text-hide p-0" data-bookId="12">12</th>
                <th scope="col">Start date</th>
                <th scope="col">End date</th>
                <th scope="col">Room type</th>
                <th scope="col">Requirements</th>
                <th scope="col">Adults</th>
                <th scope="col">Children</th>
                <th scope="col">Requests</th>
                <th scope="col">Timestamp</th>
                <th scope="col">Status</th>
            </tr>
        </thead>
        <tbody>
            <?php if (!empty($cBookings) && $bdHandler->getExecutionFeedback() == 1) { ?>
                <?php foreach ($cBookings as $k => $v) { ?>
                    <tr>
                        <th scope="row"><?php echo ($k + 1); ?></th>
                        <td class="text-hide p-0"><?php echo $v["id"]; ?></td>
                        <td><?php echo $v["start"]; ?></td>
                        <td><?php echo $v["end"]; ?></td>
                        <td><?php echo $v["type"]; ?></td>
                        <td><?php echo $v["requirement"]; ?></td>
                        <td><?php echo $v["adults"]; ?></td>
                        <td><?php echo $v["children"]; ?></td>
                        <td><?php echo $v["requests"]; ?></td>
                        <td><?php echo $v["timestamp"]; ?></td>
                        <td><?php echo $v["status"]; ?></td>
                    </tr>
                <?php } ?>
            <?php } ?>
        </tbody>
    </table>
</div>
</header>

```



**About**  
Add some information about hotel booking.

**Subrata Das**  
View my bookings  
Update profile  
Sign out

**Hotel Booking**

**Reservations**  
Show  entries Search:

#	Start date	End date	Room type	Requirements	Adults	Children	Requests	Timestamp	Status
1	2024-03-07	2024-03-08	Deluxe	smoking	2	0		2024-03-05 14:35:12	CONFIRMED
2	2024-03-14	2024-03-16	Double	non smoking	2	0		2024-03-06 11:27:59	CONFIRMED
3	2024-03-07	2024-03-14	Double	non smoking	2	1	I don't need any special requirements.	2024-03-06 11:40:31	PENDING

Showing 1 to 3 of 3 entries Previous **1** Next

## Reservation Form:

```
<?php
```

```
ob_start();
```

```
session_start();
```

```
require 'DB.php';
```

```
require 'Util.php';
```

```
require 'dao/BookingReservationDAO.php';
```

```
require 'models/Booking.php';
```

```
require 'models/Reservation.php';
```

```
require 'models/Pricing.php';
```

```
require 'models/StatusEnum.php';
```

```
require 'handlers/BookingReservationHandler.php';
```

```
if (isset($_SESSION["authenticated"]) && $_SESSION["authenticated"][1] == "false") {
```

```
    if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["readySubmit"])) {
```

```
        $startDate = $endDate = null;
```

```
        $errors_ = null;
```

```
        if (empty($_POST["start"])) {
```

```
            $errors_ .= Util::displayAlertV1("Please select a start date.", "info");
```

```
        }
```

```
        if (empty($_POST["end"])) {
```

```
            $errors_ .= Util::displayAlertV1("Please select an end date.", "info");
```

```
        }
```

```
        if (!DateTime::createFromFormat('Y-m-d', $_POST["start"])) {
```

```

        $errors_ .= Util::displayAlertV1("Invalid start date.", "info");
    }
    if (!DateTime::createFromFormat('Y-m-d', $_POST["end"])) {
        $errors_ .= Util::displayAlertV1("Invalid end date.", "info");
    }
    if (empty($_POST["type"])) {
        $errors_ .= Util::displayAlertV1("Please select a room type.", "info");
    }
    if (empty($_POST["adults"])) {
        $errors_ .= Util::displayAlertV1("Please enter a number of adults.", "info");
    }

    try {
        $startDate = new DateTime($_POST["start"]);
        $endDate = new DateTime($_POST["end"]);
        if ($endDate <= $startDate) {
            $errors_ .= Util::displayAlertV1("End date cannot be less or equal to start
date.", "info");
        }
    } catch (Exception $e) {
        $errors_ .= Util::displayAlertV1("Invalid date type!", "info");
    }

    if (!empty($errors_)) {
        echo $errors_;
    } else {
        $r = new Reservation();
        $r->setCid(Util::sanitize_xss($_POST["cid"]));
        $r->setStatus(\models\StatusEnum::PENDING_STR);
        $r->setNotes(null);
        $r->setStart(Util::sanitize_xss($_POST["start"]));
        $r->setEnd(Util::sanitize_xss($_POST["end"]));
        $r->setType(Util::sanitize_xss($_POST["type"]));
        $r->setRequirement(Util::sanitize_xss($_POST["requirement"]));
        $r->setAdults(Util::sanitize_xss($_POST["adults"]));
        $r->setChildren(Util::sanitize_xss($_POST["children"]));
        $r->setRequests(Util::sanitize_xss($_POST["requests"]));
        $unique = uniqid();
        $r->setHash($unique);

        $p = new Pricing();
        $p->setBookedDate(Util::sanitize_xss($_POST['bookedDate']));
        $p->setNights(Util::sanitize_xss($_POST['numNights']));
        $p->setTotalPrice(Util::sanitize_xss($_POST['totalPrice']));

        $brh = new BookingReservationHandler($r, $p);
        $temp = $brh->create();
        $out = array(
            "success" => "true",
            "response" => Util::displayAlertV2($brh->getExecutionFeedback(), $temp)
        );
    }
}

```

```

    );
    echo json_encode($out, JSON_PRETTY_PRINT);
}
}
} else {
    echo "failed";
}
}
/*
 * validation:
 * if end date is less than start date -> invalid
 * if start date, end date, room type, adults are empty -> invalid
 */

```

The screenshot shows a web browser window with the URL `localhost/hotel-mgmt-system-master/index.php#`. The page has a dark header with the user name "Subrata Das" and links for "View my bookings", "Update profile", and "Sign out". The main content area is a light gray background with a "Reservation form" modal open in the center. The modal has a close button (X) in the top right corner. The form fields are as follows:

- Check-in \*:  (with a calendar icon)
- Check-out \*:  (with a calendar icon)
- Room type \*:
- Room requirements:
- Adults \*:
- Children:
- Special requirements:

At the bottom of the form, there is a "Check-in policies" button and a "Next" button.

The screenshot shows the same web browser window as the previous one, but the "Reservation form" modal now displays booking details. The modal has a close button (X) in the top right corner. The details are as follows:

- Booked Date: Wed Mar 06 2024
- Room Price: \$900
- 5 nights: \$180 avg. / night
- From - to: 2024-3-15 to 2024-3-20
- Taxes: \$0
- Total: \$900

At the bottom of the modal, there are "Previous" and "Submit" buttons. The background page shows a "Book now" button and the text "Book your summer holidays with us now."

## Logout System

```
<?php

session_start();

if ($_SERVER["REQUEST_METHOD"] == "GET") {
    // Unset all of the session variables.
    $_SESSION = array();

    // If it's desired to kill the session, also delete the session cookie.
    // Note: This will destroy the session, and not just the session data!
    if (ini_get("session.use_cookies")) {
        $params = session_get_cookie_params();
        setcookie(
            session_name(),
            '',
            time() - 42000,
            $params["path"],
            $params["domain"],
            $params["secure"],
            $params["httponly"]
        );
    }

    // Finally, destroy the session.
    session_destroy();
    $sessionsDeleted = 1;
    echo $sessionsDeleted;
}
```

## DB Connection

```
<?php

class DB
{
    private static $instance = null;

    private function __construct()
    {
    }

    public static function getInstance()
    {
        if (empty(self::$instance)) {
            $db_info = array(
                "host" => "localhost",
                "port" => "3306",
            );
        }
    }
}
```

```

        "user" => "root",
        "pass" => "",
        "name" => "hotel",
        "charset" => "UTF-8"
    );

    try {
        self::$instance = new PDO(
            "mysql:host=" . $db_info['host'] . ';port=' . $db_info['port'] .
            ';dbname=' . $db_info['name'],
            $db_info['user'],
            $db_info['pass']
        );
        self::$instance->setAttribute(PDO::ATTR_ERRMODE, PDO::ERRMODE_SILENT);
        self::$instance->query('SET NAMES utf8');
        self::$instance->query('SET CHARACTER SET utf8');
    } catch (PDOException $error) {
        echo $error->getMessage();
    }
}

return self::$instance;
}
}

```

## Profile Update

User can also update their profile details includes name, phone number, password.

```
<?php
```

```
ob_start();
session_start();
```

```
require '../lib/phpPasswordHashing/passwordLib.php';
require 'DB.php';
require 'Util.php';
require 'dao/CustomerDAO.php';
require 'models/Customer.php';
require 'handlers/CustomerHandler.php';
```

```
if (isset($_SESSION["authenticated"]) && $_SESSION["authenticated"][1] == "false") {

    if ($_SERVER["REQUEST_METHOD"] == "POST" && isset($_POST["submitBtn"])) {
        $errors_ = null;

        $pwd = null;
        if (!empty($_POST["newPassword"])) {
```

```

        if (strlen($_POST["newPassword"]) < 4) {
            $errors_ .= Util::displayAlertV1("At least 4 characters is required.",
"info");
        } else {
            $pwd = $_POST["newPassword"];
        }
    } else {
        if (isset($_SESSION["password"])) {
            $pwd = $_SESSION["password"];
        }
    }

    if (!empty($errors_)) {
        echo $errors_;
    } else {
        $c = new Customer();
        $c->setId(Util::sanitize_xss($_POST["cid"]));
        $c->setFullName(Util::sanitize_xss($_POST["fullName"]));
        $c->setPhone(Util::sanitize_xss($_POST["phone"]));
        $c->setEmail(Util::sanitize_xss($_POST["email"]));
        $c->setPassword(Util::sanitize_xss($pwd));

        if (isset($_SESSION["authenticated"]) && $_SESSION["authenticated"][1] == "false"
&&

            isset($_COOKIE['is_admin']) && $_COOKIE['is_admin'] == "false") {
            $cHandler = new CustomerHandler();
            $cHandler->updateCustomer($c);
            echo Util::displayAlertV1($cHandler->getExecutionFeedback(), "success");
        }

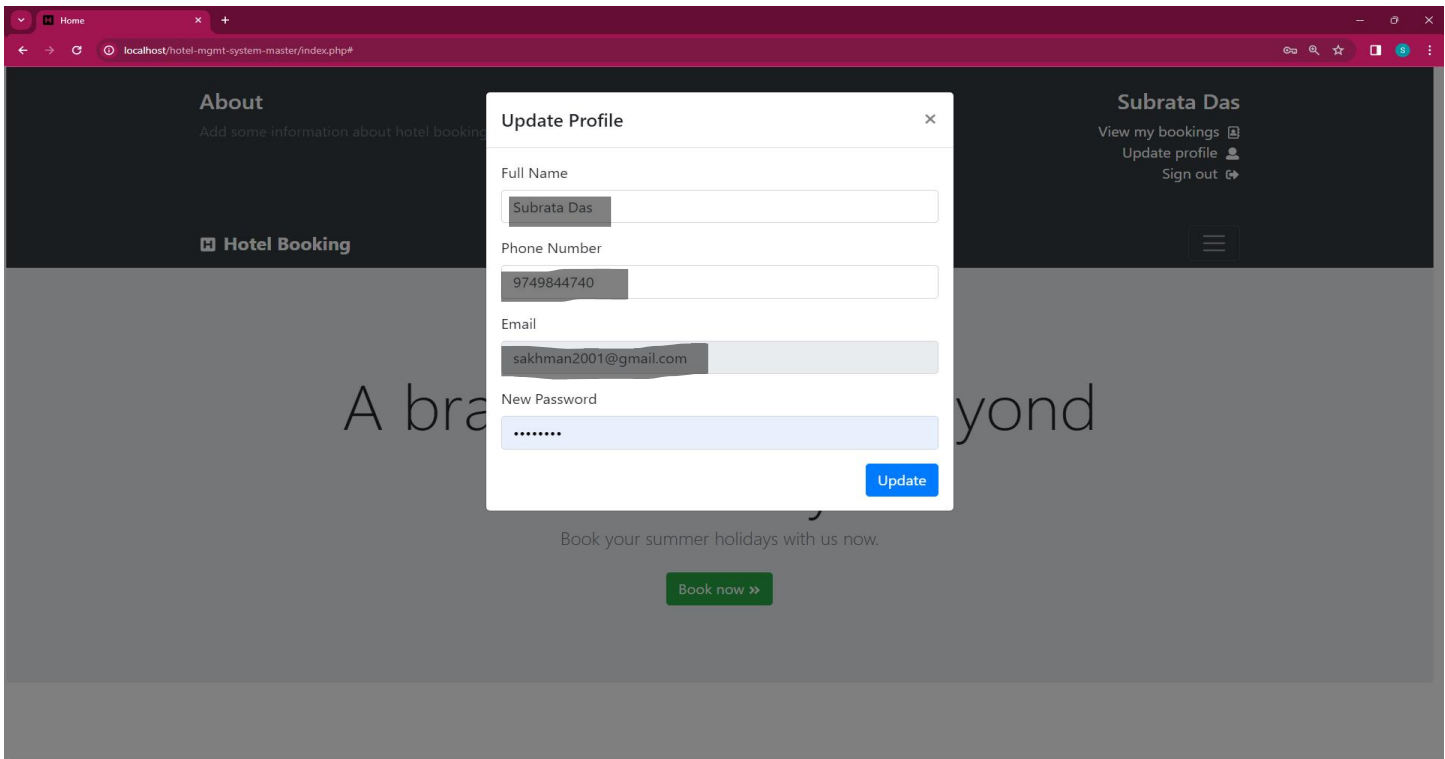
        if (isset($_SESSION["username"])) {
            $_SESSION["username"] = $cHandler->getUsername($_POST["email"]);
        }
        if (isset($_SESSION["phoneNumber"])) {
            $_SESSION["phoneNumber"] = $_POST["phone"];
        }
    }
}

} else {
    echo "failed";
}

// if (isset($_COOKIE['is_admin'])) {
//     echo $_COOKIE['is_admin'];
// }

// if (isset($_SESSION["authenticated"])) {
//     var_dump($_SESSION["authenticated"]);
// }

```



## Admin Panel

```
<?php
ob_start();
session_start();
?>
<!doctype html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">

    <link rel="stylesheet" href="node_modules/bootstrap/dist/css/bootstrap.min.css">
    <link rel="stylesheet"
href="https://cdn.datatables.net/1.10.16/css/jquery.dataTables.min.css">
    <link rel="stylesheet"
href="https://cdn.datatables.net/select/1.2.5/css/select.dataTables.min.css">
    <link rel="stylesheet" href="css/main.css">
<?php

require 'lib/phpPasswordHashing/passwordLib.php';
require 'app/DB.php';
require 'app/Util.php';
require 'app/models/StatusEnum.php';
require 'app/models/RequirementEnum.php';
require 'app/dao/CustomerDAO.php';
require 'app/dao/BookingDetailDAO.php';
require 'app/models/Customer.php';
require 'app/models/Booking.php';
```

```

require 'app/models/Reservation.php';
require 'app/handlers/CustomerHandler.php';
require 'app/handlers/BookingDetailHandler.php';

$username = null;
$isSessionExists = $isAdmin = false;
$pendingReservation = $confirmedReservation = $totalCustomers = $totalReservations =
null;
$allBookings = $cCommon = $allCustomer = null;
if (isset($_SESSION["username"]))
{
    $username = $_SESSION["username"];
    $isSessionExists = true;

    $cHandler = new CustomerHandler();
    $cHandler = $cHandler->getCustomerObj($_SESSION["accountEmail"]);

    $cAdmin = new Customer();
    $cAdmin->setEmail($cHandler->getEmail());

    // display all reservations
    $bdHandler = new BookingDetailHandler();
    $allBookings = $bdHandler->getAllBookings();
    $cCommon = new CustomerHandler();
    $allCustomer = $cCommon->getAllCustomer();

    // reservation stats
    $pendingReservation = $bdHandler->getPending();
    $confirmedReservation = $bdHandler->getConfirmed();
    $totalCustomers = $cCommon->totalCustomersCount();
    $totalReservations = count($bdHandler->getAllBookings());
}
if (isset($_SESSION["isAdmin"]) && isset($_SESSION["username"])) {
    $isSessionExists = true;
    $username = $_SESSION["username"];
    $isAdmin = $_SESSION["isAdmin"];
}

?>

<title>Manage Booking</title>
</head>
<body>

<header>
    <div class="bg-dark collapse" id="navbarHeader" style="">
        <div class="container">
            <div class="row">
                <div class="col-sm-8 col-md-7 py-4">
                    <h4 class="text-white">About</h4>

```



```

        <p class="text-muted">Add some information about hotel booking.</p>
    </div>
    <div class="col-sm-4 offset-md-1 py-4 text-right">
        <!-- User full name or email if logged in -->
        <?php if ($isLoggedIn) { ?>
            <h4 class="text-white"><?php echo $username; ?></h4>
            <ul class="list-unstyled">
                <li><a href="index.php" class="text-white">Home</a><i class="fas fa-
home ml-2"></i></a></li>
                <li><a href="#" id="sign-out-link" class="text-white">Sign out<i
class="fas fa-sign-out-alt ml-2"></i></a></li>
            </ul>
            <?php } else { ?>
                <h4>
                    <a class="text-white" href="sign-in.php">Sign in</a> <span
class="text-white">or</span>
                    <a href="register.php" class="text-white">Register </a>
                </h4>
                <p class="text-muted">Log in so you can take advantage with our hotel
room prices.</p>
            <?php } ?>
        </div>
    </div>
</div>
<div class="navbar navbar-dark bg-dark box-shadow">
    <div class="container d-flex justify-content-between">
        <a href="#" class="navbar-brand d-flex align-items-center">
            <i class="fas fa-h-square mr-2"></i>
            <strong>Hotel Booking</strong>
        </a>
        <button class="navbar-toggler collapsed" type="button" data-toggle="collapse"
data-target="#navbarHeader" aria-controls="navbarHeader" aria-expanded="false" aria-
label="Toggle navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
    </div>
</div>
</header>

<main role="main">

    <?php if ($isLoggedIn && $isAdmin) { ?>
    <div class="container my-3">
        <div class="row">
            <div class="col-xl-3 col-sm-6 mb-3">
                <div class="card text-white bg-primary o-hidden h-100">
                    <div class="card-body">
                        <div class="card-body-icon">
                            <i class="fas fa-address-book"></i>

```

```

        </div>
        <div class="mr-5"><?php echo $totalReservations; ?>
Reservations</div>
    </div>
    <a class="card-footer text-white clearfix small z-1" href="#reservation">
        <span class="float-left">View Details</span>
        <span class="float-right"><i class="fa fa-angle-right"></i></span>
    </a>
</div>
</div>
<div class="col-xl-3 col-sm-6 mb-3">
    <div class="card text-white bg-warning o-hidden h-100">
        <div class="card-body">
            <div class="card-body-icon">
                <i class="fas fa-users ml-2"></i>
            </div>
            <div class="mr-5"><?php echo $totalCustomers; ?> Customers</div>
        </div>
        <a class="card-footer text-white clearfix small z-1" href="#customers">
            <span class="float-left">View Details</span>
            <span class="float-right"><i class="fa fa-angle-right"></i></span>
        </a>
    </div>
</div>
<div class="col-xl-3 col-sm-6 mb-3">
    <div class="card text-white bg-success o-hidden h-100">
        <div class="card-body">
            <div class="card-body-icon">
                <i class="fas fa-check"></i>
            </div>
            <div class="mr-4"><?php echo $confirmedReservation; ?> Confirmed
Reservations</div>
        </div>
        <div class="card-footer text-white clearfix small z-1"></div>
    </div>
</div>
<div class="col-xl-3 col-sm-6 mb-3">
    <div class="card text-white bg-danger o-hidden h-100">
        <div class="card-body">
            <div class="card-body-icon">
                <i class="fa fa-fw fa-support"></i>
            </div>
            <div class="mr-5"><?php echo $pendingReservation; ?> Pending
Reservations</div>
        </div>
        <div class="card-footer text-white clearfix small z-1"></div>
    </div>
</div>
</div>
</div>

```

```

<div class="container" id="tableContainer">
  <ul class="nav nav-tabs" id="adminTab" role="tablist">
    <li class="nav-item">
      <a class="nav-link active" id="reservation-tab" data-toggle="tab"
href="#reservation" role="tab"
      aria-controls="reservation" aria-selected="true">Reservation</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" id="customers-tab" data-toggle="tab" href="#customers"
role="tab"
      aria-controls="customers" aria-selected="false">Customers</a>
    </li>
  </ul>
  <div class="tab-content py-3" id="adminTabContent">
    <div class="tab-pane fade show active" id="reservation" role="tabpanel" aria-
labelledby="reservation-tab">
      <table id="reservationDataTable" class="table table-striped table-bordered"
cellspacing="0" width="100%">
        <thead>
          <tr>
            <th scope="col">#</th>
            <th class="text-hide p-0" data-bookId="12">12</th>
            <th scope="col">Email</th>
            <th scope="col">Start</th>
            <th scope="col">End</th>
            <th scope="col">Room type</th>
            <th scope="col">Timestamp</th>
            <th scope="col">Status</th>
            <th scope="col">Notes</th>
          </tr>
        </thead>
        <tbody>
          <?php if (!empty($allBookings)) { ?>
            <?php foreach ($allBookings as $k => $v) { ?>
              <tr>
                <th scope="row"><?php echo ($k + 1); ?></th>
                <td class="text-hide p-0" data-id="<?php echo $v["id"]; ?>">
                  <?php echo $v["id"]; ?>
                </td>
                <?php $cid = $v["cid"]; ?>
                <td><?php echo $cCommon->getCustomerObjByCid($cid)-
>getEmail(); ?></td>
                <td><?php echo $v["start"]; ?></td>
                <td><?php echo $v["end"]; ?></td>
                <td><?php echo $v["type"]; ?></td>
                <td><?php echo $v["timestamp"]; ?></td>
                <td><?php echo $v["status"]; ?></td>
                <td><?php echo $v["notes"]; ?></td>
              </tr>
            </td>
          </td>
        </tbody>
      </table>
    </div>
  </div>

```

```

        <?php } ?>
    <?php } ?>
</tbody>
</table>
<div class="my-3">
    <div class="row">
        <div class="col-6">
            <label class="text-secondary font-weight-bold">With
selected:</label>

            <button type="button" id="confirm-booking" class="btn btn-
outline-success btn-sm">Confirm
            </button>
            <button type="button" id="cancel-booking" class="btn btn-outline-
danger btn-sm">Cancel
            </button>
        </div>
        <div class="col-6 text-right">
            View:
            <input type="radio" name="viewOption"
value="confirmed">&nbsp;Confirmed&nbsp;
            <input type="radio" name="viewOption"
value="pending">&nbsp;Pending
            <input type="radio" name="viewOption" value="all">&nbsp;All
        </div>
    </div>
</div>
<div class="tab-pane fade" id="customers" role="tabpanel" aria-
labelledby="customers-tab">
    <table id="customerTable" class="table table-bordered">
        <thead class="thead-dark">
            <tr>
                <th scope="col">#</th>
                <th scope="col">Full name</th>
                <th scope="col">Email</th>
                <th scope="col">Phone</th>
            </tr>
        </thead>
        <tbody>
            <?php if (!empty($allCustomer)) { ?>
                <?php foreach ($cCommon->getAllCustomer() as $key => $value) { ?>
                    <tr>
                        <td scope="row"><?php echo ($key + 1); ?></td>
                        <td><?php echo $value->getFullName(); ?></td>
                        <td><?php echo $value->getEmail(); ?></td>
                        <td><?php echo $value->getPhone(); ?></td>
                    </tr>
                <?php } ?>
            <?php } ?>
        </tbody>
    </table>

```

```

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

</div>

<div class="modal fade" id="confirmModal" tabindex="-1" role="dialog">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title">Confirm selected reservation(s)</h5>
                <button type="button" class="close" data-dismiss="modal" aria-
label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <p>Are you sure you want to proceed with this action?</p>
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-primary"
id="confirmTrue">Yes</button>
                <button type="button" class="btn btn-secondary" data-
dismiss="modal">No</button>
            </div>
        </div>
    </div>
</div>

<div class="modal fade" id="cancelModal" tabindex="-1" role="dialog">
    <div class="modal-dialog" role="document">
        <div class="modal-content">
            <div class="modal-header">
                <h5 class="modal-title">Cancel selected reservation(s)</h5>
                <button type="button" class="close" data-dismiss="modal" aria-
label="Close">
                    <span aria-hidden="true">&times;</span>
                </button>
            </div>
            <div class="modal-body">
                <p>Are you sure you want to proceed with this action?</p>
            </div>
            <div class="modal-footer">
                <button type="button" class="btn btn-primary"
id="cancelTrue">Yes</button>
                <button type="button" class="btn btn-secondary" data-
dismiss="modal">No</button>
            </div>
        </div>
    </div>
</div>

```

```

</div>

<?php } ?>

</main>

<footer class="container">
    <p>&copy; Company 2017-2018</p>
</footer>

<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="node_modules/jquery/dist/jquery.min.js"></script>
<script src="node_modules/popper.js/dist/popper.min.js"></script>
<script src="node_modules/bootstrap/dist/js/bootstrap.min.js"></script>
<script defer src="https://use.fontawesome.com/releases/v5.0.10/js/all.js"
    integrity="sha384-sln8GvtUJGnv6ca26v8EzVaR9DC58QEwsIk9q1QXdCU8Yu8ck/tL/5szYlBbqmS+"
    crossorigin="anonymous"></script>
<script src="https://cdn.datatables.net/1.10.16/js/jquery.dataTables.min.js"></script>
<script src="https://cdn.datatables.net/select/1.2.5/js/dataTables.select.min.js"></script>
<script src="js/form-submission.js"></script>
<script src="js/admin.js"></script>
</body>
</html>

```

**Hotel Booking**

7 Reservations | 4 Customers | 5 Confirmed Reservations | 2 Pending Reservations

Reservation | Customers

Show  entries | Search:

#	Email	Start	End	Room type	Timestamp	Status	Notes
1	martha@hotmail.com	2018-05-09	2018-05-11	double	2018-04-20 03:34:42	CONFIRMED	
2	martha@hotmail.com	2018-04-24	2018-04-25	deluxe	2018-04-23 21:15:33	CONFIRMED	
3	martha@hotmail.com	2018-04-27	2018-04-30	deluxe	2018-04-24 10:57:13	CONFIRMED	
4	sakhman2001@gmail.com	2024-03-07	2024-03-08	Deluxe	2024-03-05 14:35:12	CONFIRMED	
5	sakhman2001@gmail.com	2024-03-14	2024-03-16	Double	2024-03-06 11:27:59	CONFIRMED	I need the room clean and wifi 24/7 hours.
6	sakhman2001@gmail.com	2024-03-07	2024-03-14	Double	2024-03-06 11:40:31	PENDING	

Showing 1 to 6 of 7 entries | Previous | 1 | 2 | Next

With selected:

View: ☐ Confirmed ☐ Pending ☐ All

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Hotel Booking

7 Reservations  
View Details

4 Customers  
View Details

5 Confirmed Reservations

2 Pending Reservations

Reservation Customers

Show 10 entries Search:

#	Full name	Email	Phone
1	Martha Smith	martha@hotmail.com	5149991111
2	admin@gmail.com	admin@gmail.com	
3	admin@admin.com	admin@admin.com	
4	Subrata Das	sakman2001@gmail.com	9749844740

Showing 1 to 4 of 4 entries Previous 1 Next

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## Used CSS except bootstrap in this project:

```

/* required fields marked in red */
.red-asterisk {
  color: #ff0000;
  font-weight: 500;
}

label.error {
  color: rgba(255, 0, 0, 0.69);
}

.border-secondary {
  border-color: rgba(108, 117, 125, 0.50) !important;
}

.container h2.text-center {
  color: #ffffff;
}

.svg-inline--fa {
  padding-top: 2px !important;
}

#brick {
  width: 40px;
  height: 20px;
  background: #28a745;

```

```
    position: relative;
    cursor: pointer;
}

#path {
    outline: 1px solid #E8C48E;
    width: 100%;
    height: 20px;
}

textarea#specialRequests {
    resize: none;
}

/* rsvn multi steps */
.rsvnTab {
    display: none;
}

/* Make circles that indicate the steps of the form: */
.step {
    height: 15px;
    width: 15px;
    margin: 0 2px;
    background-color: #bbbbbb;
    border: none;
    border-radius: 50%;
    display: inline-block;
    opacity: 0.5;
}

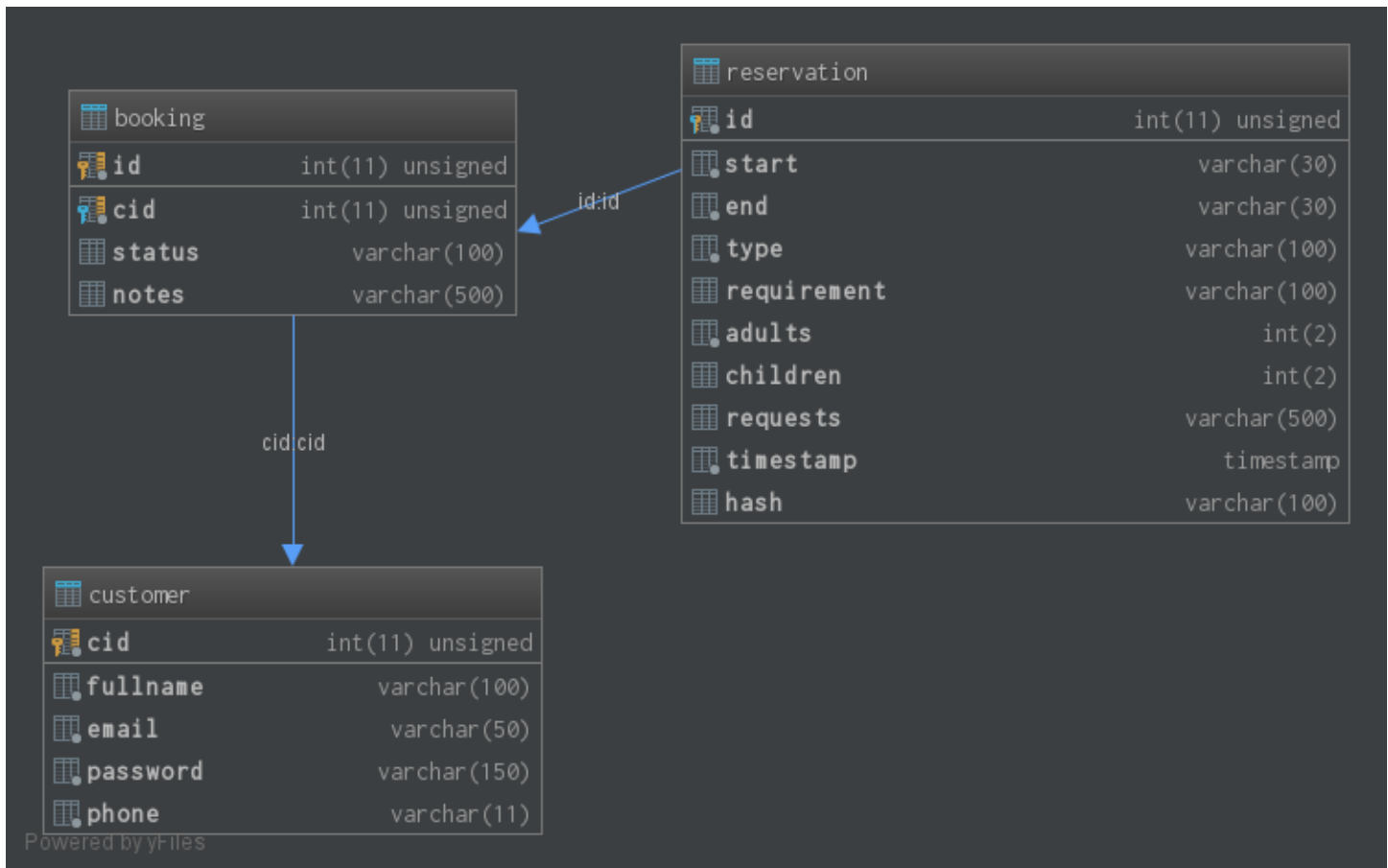
/* Mark the active step: */
.step.active {
    opacity: 1;
}

/* Mark the steps that are finished and valid: */
.step.finish {
    background-color: #4CAF50;
}

input.invalid, select.invalid {
    background-color: #ffdddd;
}
```



## Diagram of MySQL Database:



## Booking Table:

				id	cid	status	notes
<input type="checkbox"/>				12	10	CONFIRMED	NULL
<input type="checkbox"/>				13	10	CONFIRMED	NULL
<input type="checkbox"/>				14	10	CONFIRMED	NULL
<input type="checkbox"/>				15	14	CONFIRMED	NULL
<input type="checkbox"/>				16	14	CONFIRMED	I need the room clean and wifi 24/7 hours.
<input type="checkbox"/>				17	14	PENDING	NULL
<input type="checkbox"/>				18	14	PENDING	NULL

☐ Check all    With selected:    Edit    Copy    Delete    Export

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

## Customer Table:

- cid: An integer (int(11) unsigned) data type, which likely acts as the primary key for the table.
- fullname: A varchar(100) data type, which indicates it can store variable character lengths up to 100 characters. This column likely stores the customer's full name.
- email: A varchar(50) data type, which indicates it can store variable character lengths up to 50 characters. This column likely stores the customer's email address.

- password: A varchar(150) data type, which indicates it can store variable character lengths up to 150 characters. This column likely stores the customer's password.
- phone: A varchar(11) data type, which indicates it can store variable character lengths up to 11 characters. This column likely stores the customer's phone number.

		cid	fullname	email	password	phone	isadmin
<input type="checkbox"/>	Edit	10	Martha Smith	martha@hotmail.com	\$2y\$10\$L8elMrSO59YGZdGjnQxURuWK7FZUJpL8QgZPT7pKlwC...	5149991111	0
<input type="checkbox"/>	Edit	11	admin@gmail.com	admin@gmail.com	\$2y\$10\$nfud5jYwEnMmqv8YgUF3p.wh3EVGAONIRUUiu2TqFiN...		1
<input type="checkbox"/>	Edit	12	admin@admin.com	admin@admin.com	\$2y\$10\$4FJtbVGCIPFnNxcDvSSXUueMESuDDoZvtygT/O4J9UH...		1
<input type="checkbox"/>	Edit	14	Subrata Das	sakhman2001@gmail.com	\$2y\$10\$qEKUh4HzpMRh7iWrpqiW2eTZXIQQ7Bgp7jizwBRabwx...	9749844740	0

☐ Check all   With selected:   ☐ Edit   ☐ Copy   ☐ Delete   ☐ Export

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

## Reservation Table:

- id: An integer (int(11) unsigned) that likely acts as the primary key for the table.
- start: A varchar(30) data type, which indicates it can store variable character lengths up to 30 characters. This column likely stores the booking start time.
- end: A varchar(30) data type, which indicates it can store variable character lengths up to 30 characters. This column likely stores the booking end time.
- status: A varchar(100) data type, which indicates it can store variable character lengths up to 100 characters. This column likely stores the booking status.
- notes: A varchar(500) data type, which indicates it can store variable character lengths up to 500 characters. This column likely stores notes about the booking.
- adults: An integer (int(2)) data type, which can store integer values up to 2. This column likely stores the number of adults in the booking.
- children: An integer (int(2)) data type, which can store integer values up to 2. This column likely stores the number of children in the booking.
- requests: A varchar(500) data type, which indicates it can store variable character lengths up to 500 characters. This column likely stores any requests associated with the booking.
- timestamp: A timestamp data type, which likely stores the date and time the booking was created or modified.
- hash: A varchar(100) data type, which indicates it can store variable character lengths up to 100 characters. This column likely stores a unique identifier for the booking.

		id	start	end	type	requirement	adults	children	requests	timestamp	hash
<input type="checkbox"/>	Edit	12	2018-05-09	2018-05-11	double	non smoking	2	0		2018-04-20 03:34:42	5ad9127abdbf6
<input type="checkbox"/>	Edit	13	2018-04-24	2018-04-25	deluxe	no preference	1	0		2018-04-23 21:15:33	5adff9dafa97
<input type="checkbox"/>	Edit	14	2018-04-27	2018-04-30	deluxe	no preference	1	0		2018-04-24 10:57:13	5adec03166177
<input type="checkbox"/>	Edit	15	2024-03-07	2024-03-08	Deluxe	smoking	2	0		2024-03-05 14:35:12	65e6e048bc843
<input type="checkbox"/>	Edit	16	2024-03-14	2024-03-16	Double	non smoking	2	0		2024-03-06 11:27:59	65e805e7e56f2
<input type="checkbox"/>	Edit	17	2024-03-07	2024-03-14	Double	non smoking	2	1	I don't need any special requirements.	2024-03-06 11:40:31	65e808d7d8989
<input type="checkbox"/>	Edit	18	2024-03-14	2024-03-19	Double	non smoking	2	1		2024-03-06 22:00:33	65e89a29144dd

☐ Check all   With selected:   ☐ Edit   ☐ Copy   ☐ Delete   ☐ Export

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

## Conclusion

The Online Hotel Booking Management System simplifies the process of hotel reservations for both customers and hotel administrators. It offers a user-friendly interface, real-time updates, and secure payment options, enhancing the overall booking experience. With further enhancements and improvements, the system aims to become a comprehensive solution for online hotel bookings.

## References

- PHP Manual: <https://www.php.net/manual/en/>
- MySQL Documentation: <https://dev.mysql.com/doc/>
- Bootstrap Documentation: <https://getbootstrap.com/docs/>
- Stack Overflow: <https://stackoverflow.com/>