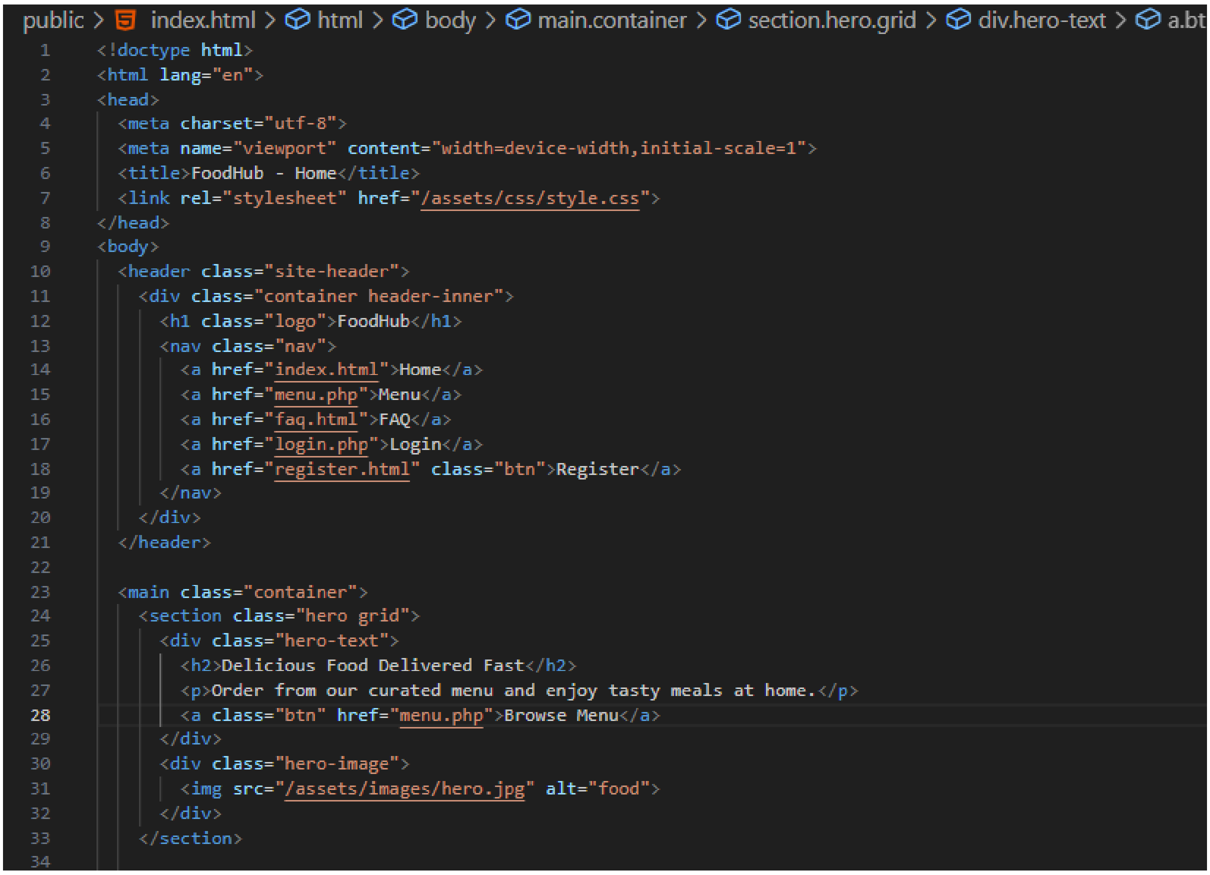
PRACTICAL – 15

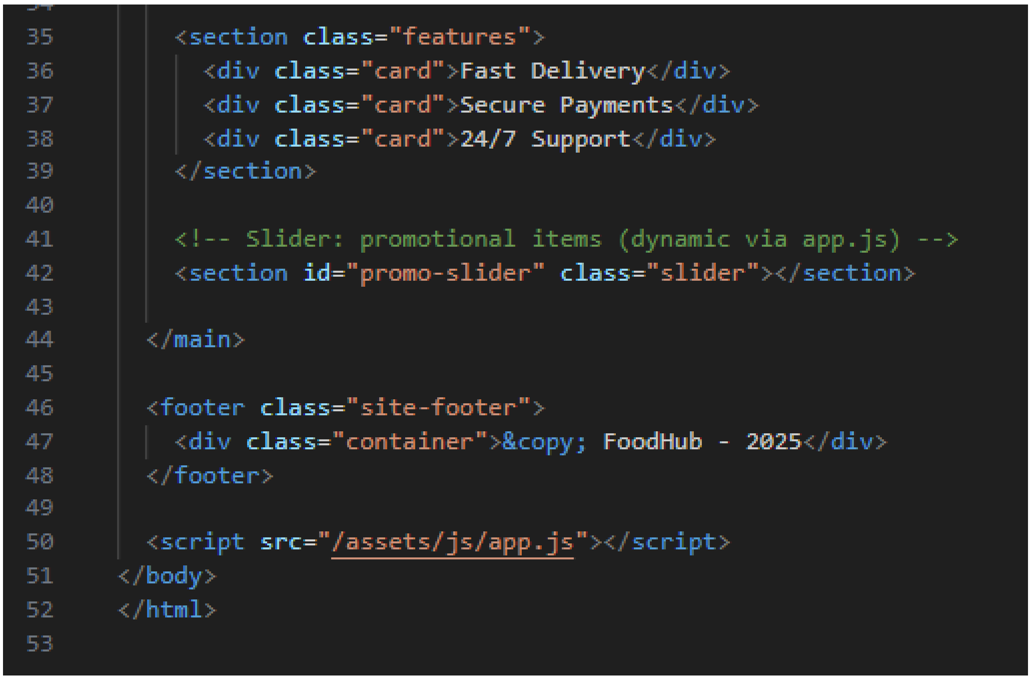
Problem Definition: Integrate all modules into a single deployable "Project Title" Portal.

Code/Script:

Index.html

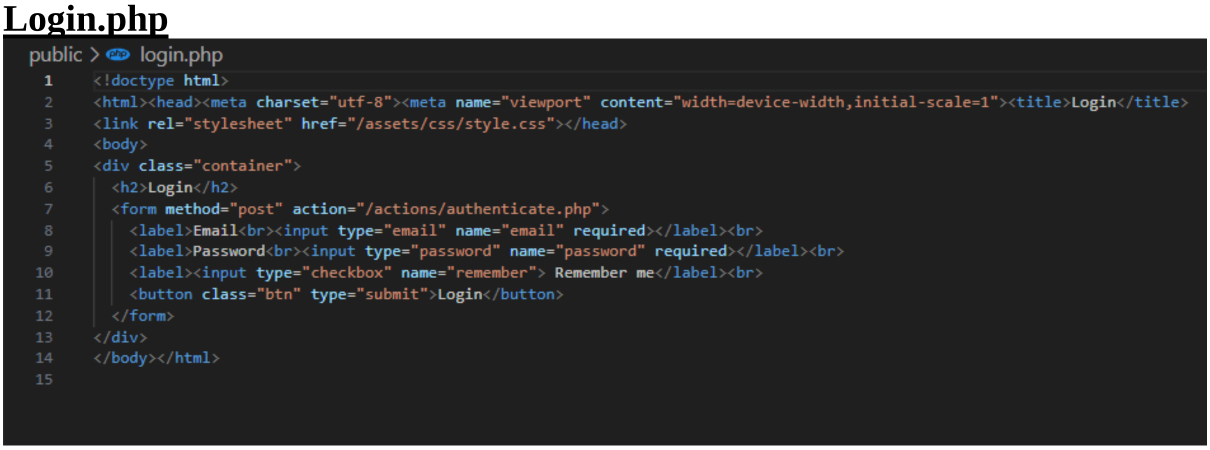

public > index.html > html > body > main.container > section.hero.grid > div.hero-text > a.bt

```html
<!doctype html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,initial-scale=1">
  <title>FoodHub - Home</title>
  <link rel="stylesheet" href="/assets/css/style.css">
</head>
<body>
  <header class="site-header">
    <div class="container header-inner">
      <h1 class="logo">FoodHub</h1>
      <nav class="nav">
        <a href="index.html">Home</a>
        <a href="menu.php">Menu</a>
        <a href="faq.html">FAQ</a>
        <a href="login.php">Login</a>
        <a href="register.html" class="btn">Register</a>
      </nav>
    </div>
  </header>

  <main class="container">
    <section class="hero grid">
      <div class="hero-text">
        <h2>Delicious Food Delivered Fast</h2>
        <p>Order from our curated menu and enjoy tasty meals at home.</p>
        <a class="btn" href="menu.php">Browse Menu</a>
      </div>
      <div class="hero-image">
        <img src="/assets/images/hero.jpg" alt="food">
      </div>
    </section>

```



```
    <section class="features">
      <div class="card">Fast Delivery</div>
      <div class="card">Secure Payments</div>
      <div class="card">24/7 Support</div>
    </section>

    <!-- Slider: promotional items (dynamic via app.js) -->
    <section id="promo-slider" class="slider"></section>

  </main>

  <footer class="site-footer">
    <div class="container">&copy; FoodHub - 2025</div>
  </footer>

  <script src="/assets/js/app.js"></script>
</body>
</html>

```

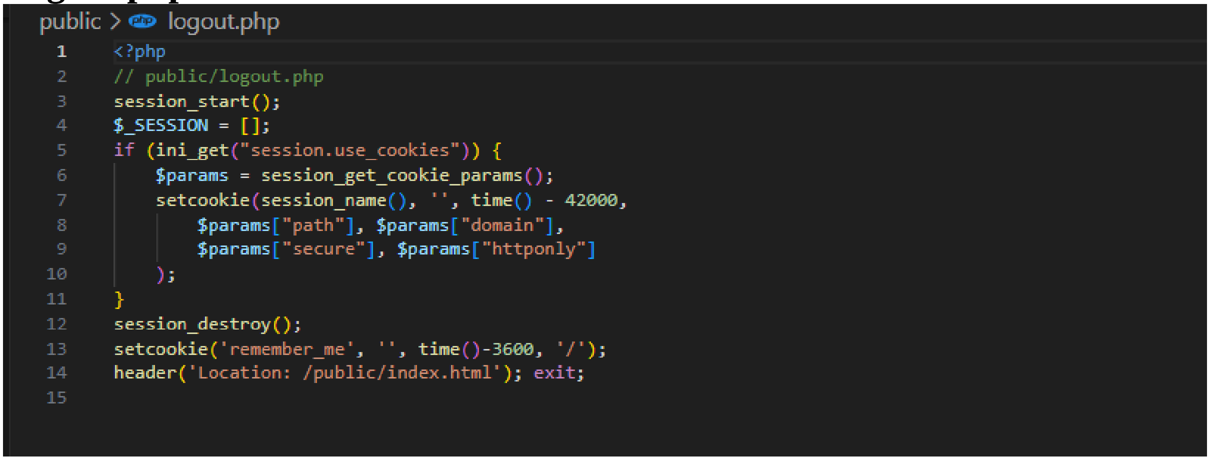
Login.php



public > login.php

```
<!doctype html>
<html><head><meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1"><title>Login</title>
<link rel="stylesheet" href="/assets/css/style.css"></head>
<body>
<div class="container">
  <h2>Login</h2>
  <form method="post" action="/actions/authenticate.php">
    <label>Email<br><input type="email" name="email" required></label><br>
    <label>Password<br><input type="password" name="password" required></label><br>
    <label><input type="checkbox" name="remember"> Remember me</label><br>
    <button class="btn" type="submit">Login</button>
  </form>
</div>
</body></html>

```

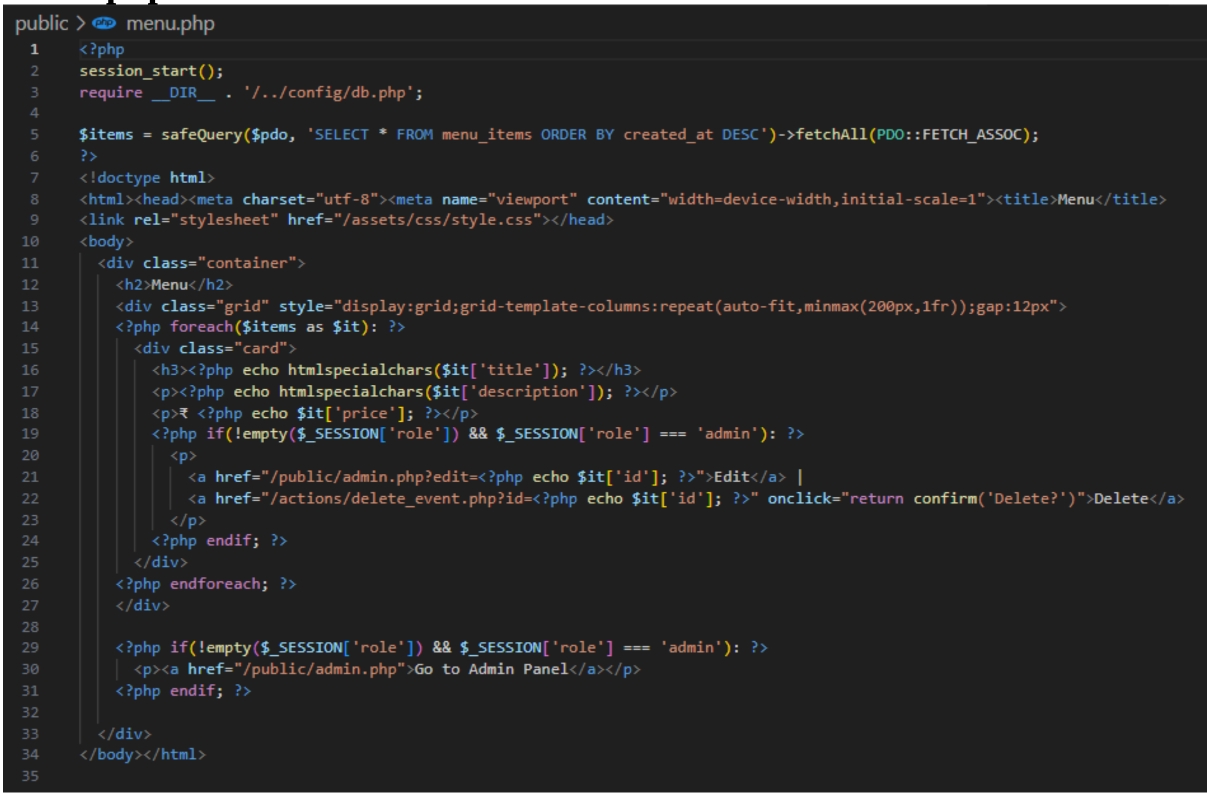
Logout.php



public > logout.php

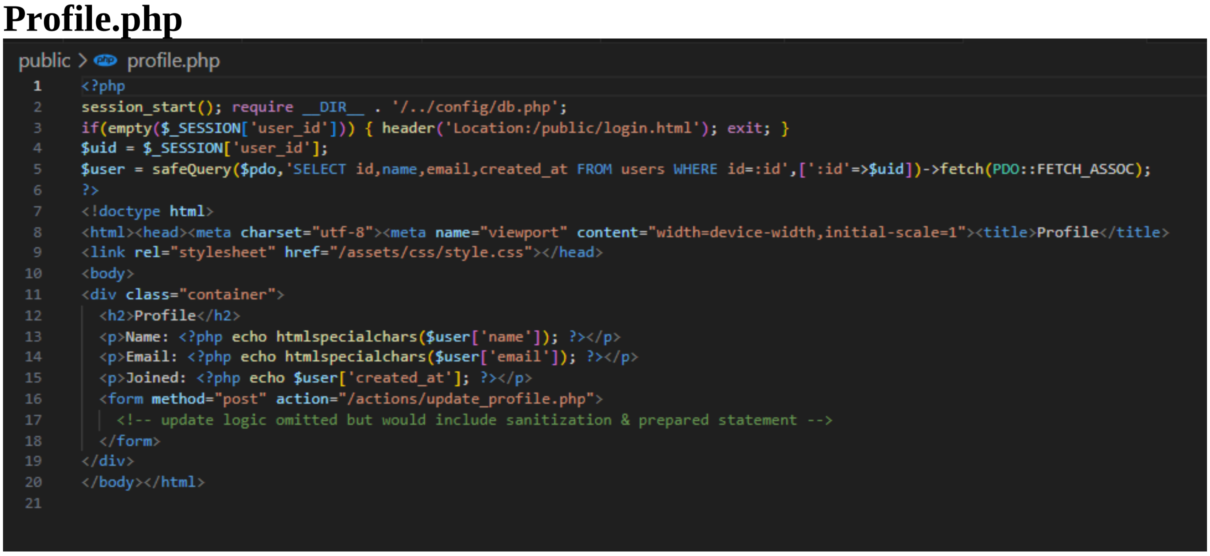
```
<?php
// public/logout.php
session_start();
$_SESSION = [];
if (ini_get("session.use_cookies")) {
    $params = session_get_cookie_params();
    setcookie(session_name(), '', time() - 42000,
        $params["path"], $params["domain"],
        $params["secure"], $params["httponly"]
    );
}
session_destroy();
setcookie('remember_me', '', time()-3600, '/');
header('Location: /public/index.html'); exit;

```

Menu.php



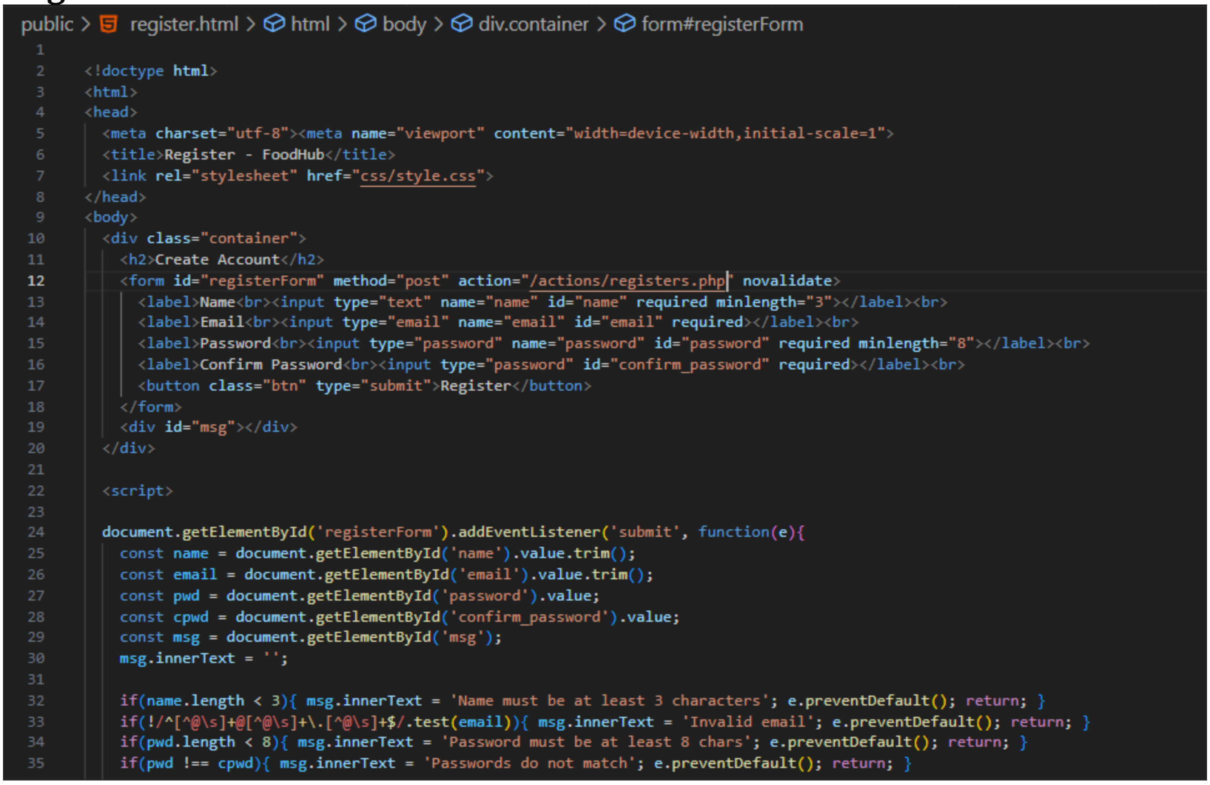
```php
<?php
session_start();
require __DIR__ . '/../config/db.php';

$items = safeQuery($pdo, 'SELECT * FROM menu_items ORDER BY created_at DESC')->fetchAll(PDO::FETCH_ASSOC);
?>
<!doctype html>
<html><head><meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1"><title>Menu</title>
<link rel="stylesheet" href="/assets/css/style.css"></head>
<body>
  <div class="container">
    <h2>Menu</h2>
    <div class="grid" style="display:grid;grid-template-columns:repeat(auto-fit,minmax(200px,1fr));gap:12px">
    <?php foreach($items as $it): ?>
      <div class="card">
        <h3><?php echo htmlspecialchars($it['title']); ?></h3>
        <p><?php echo htmlspecialchars($it['description']); ?></p>
        <p>₹ <?php echo $it['price']; ?></p>
        <?php if(!empty($_SESSION['role']) && $_SESSION['role'] === 'admin'): ?>
          <p>
            <a href="/public/admin.php?edit=<?php echo $it['id']; ?>">Edit</a> |
            <a href="/actions/delete_event.php?id=<?php echo $it['id']; ?>" onclick="return confirm('Delete?')">Delete</a>
          </p>
        <?php endif; ?>
      </div>
    <?php endforeach; ?>
    </div>

    <?php if(!empty($_SESSION['role']) && $_SESSION['role'] === 'admin'): ?>
      <p><a href="/public/admin.php">Go to Admin Panel</a></p>
    <?php endif; ?>

  </div>
</body></html>

```

Profile.php

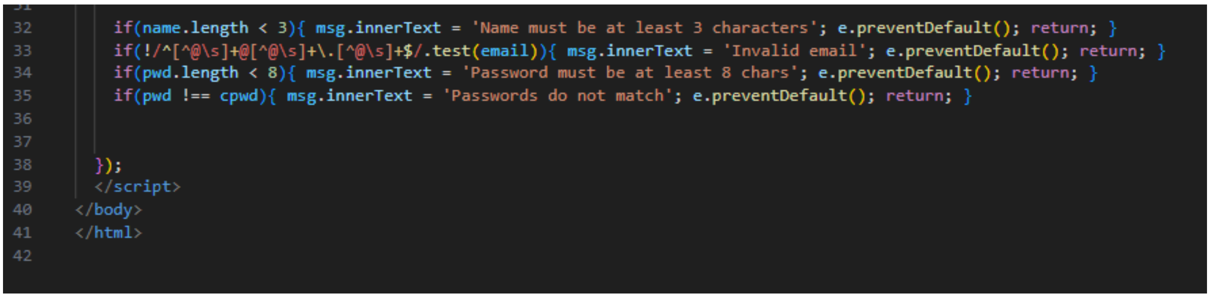


```php
<?php
session_start(); require __DIR__ . '/../config/db.php';
if(empty($_SESSION['user_id'])) { header('Location:/public/login.html'); exit; }
$uid = $_SESSION['user_id'];
$user = safeQuery($pdo,'SELECT id,name,email,created_at FROM users WHERE id=:id',[':id'=>$uid])->fetch(PDO::FETCH_ASSOC);
?>
<!doctype html>
<html><head><meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1"><title>Profile</title>
<link rel="stylesheet" href="/assets/css/style.css"></head>
<body>
<div class="container">
  <h2>Profile</h2>
  <p>Name: <?php echo htmlspecialchars($user['name']); ?></p>
  <p>Email: <?php echo htmlspecialchars($user['email']); ?></p>
  <p>Joined: <?php echo $user['created_at']; ?></p>
  <form method="post" action="/actions/update_profile.php">
    <!-- update logic omitted but would include sanitization & prepared statement -->
  </form>
</div>
</body></html>

```

Register.html

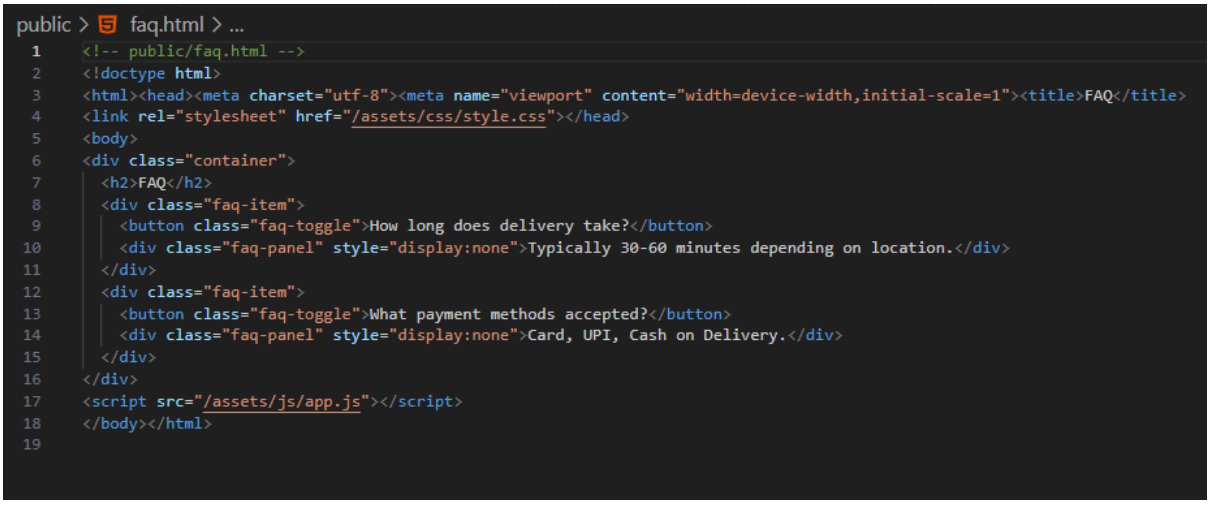

public > register.html > html > body > div.container > form#registerForm

```

<!doctype html>
<html>
<head>
  <meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1">
  <title>Register - FoodHub</title>
  <link rel="stylesheet" href="css/style.css">
</head>
<body>
  <div class="container">
    <h2>Create Account</h2>
    <form id="registerForm" method="post" action="/actions/registers.php" novalidate>
      <label>Name<br><input type="text" name="name" id="name" required minlength="3"></label><br>
      <label>Email<br><input type="email" name="email" id="email" required></label><br>
      <label>Password<br><input type="password" name="password" id="password" required minlength="8"></label><br>
      <label>Confirm Password<br><input type="password" id="confirm_password" required></label><br>
      <button class="btn" type="submit">Register</button>
    </form>
    <div id="msg"></div>
  </div>

  <script>

  document.getElementById('registerForm').addEventListener('submit', function(e){
    const name = document.getElementById('name').value.trim();
    const email = document.getElementById('email').value.trim();
    const pwd = document.getElementById('password').value;
    const cpwd = document.getElementById('confirm_password').value;
    const msg = document.getElementById('msg');
    msg.innerText = '';

    if(name.length < 3){ msg.innerText = 'Name must be at least 3 characters'; e.preventDefault(); return; }
    if(!/^[^@\s]+@[^@\s]+\.[^@\s]+$/.test(email)){ msg.innerText = 'Invalid email'; e.preventDefault(); return; }
    if(pwd.length < 8){ msg.innerText = 'Password must be at least 8 chars'; e.preventDefault(); return; }
    if(pwd !== cpwd){ msg.innerText = 'Passwords do not match'; e.preventDefault(); return; }
```



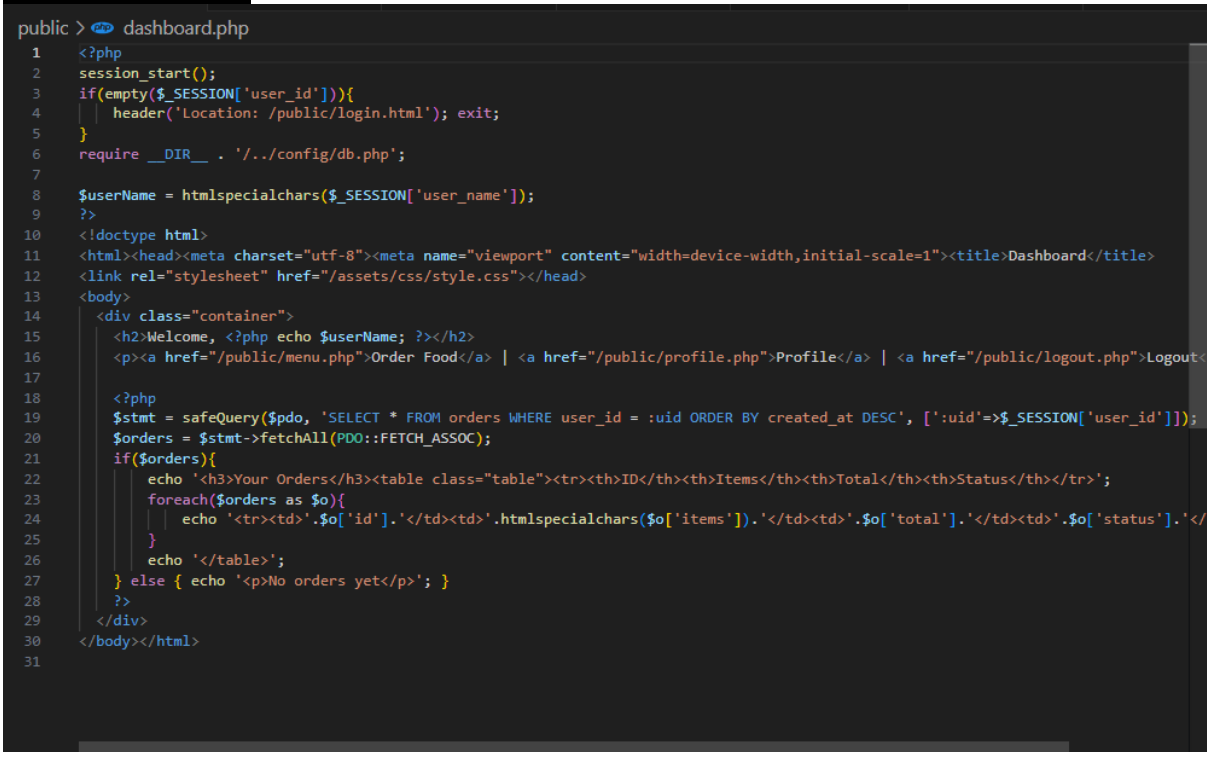
```
    if(name.length < 3){ msg.innerText = 'Name must be at least 3 characters'; e.preventDefault(); return; }
    if(!/^[^@\s]+@[^@\s]+\.[^@\s]+$/.test(email)){ msg.innerText = 'Invalid email'; e.preventDefault(); return; }
    if(pwd.length < 8){ msg.innerText = 'Password must be at least 8 chars'; e.preventDefault(); return; }
    if(pwd !== cpwd){ msg.innerText = 'Passwords do not match'; e.preventDefault(); return; }


  });
  </script>
</body>
</html>

```

Faq.html



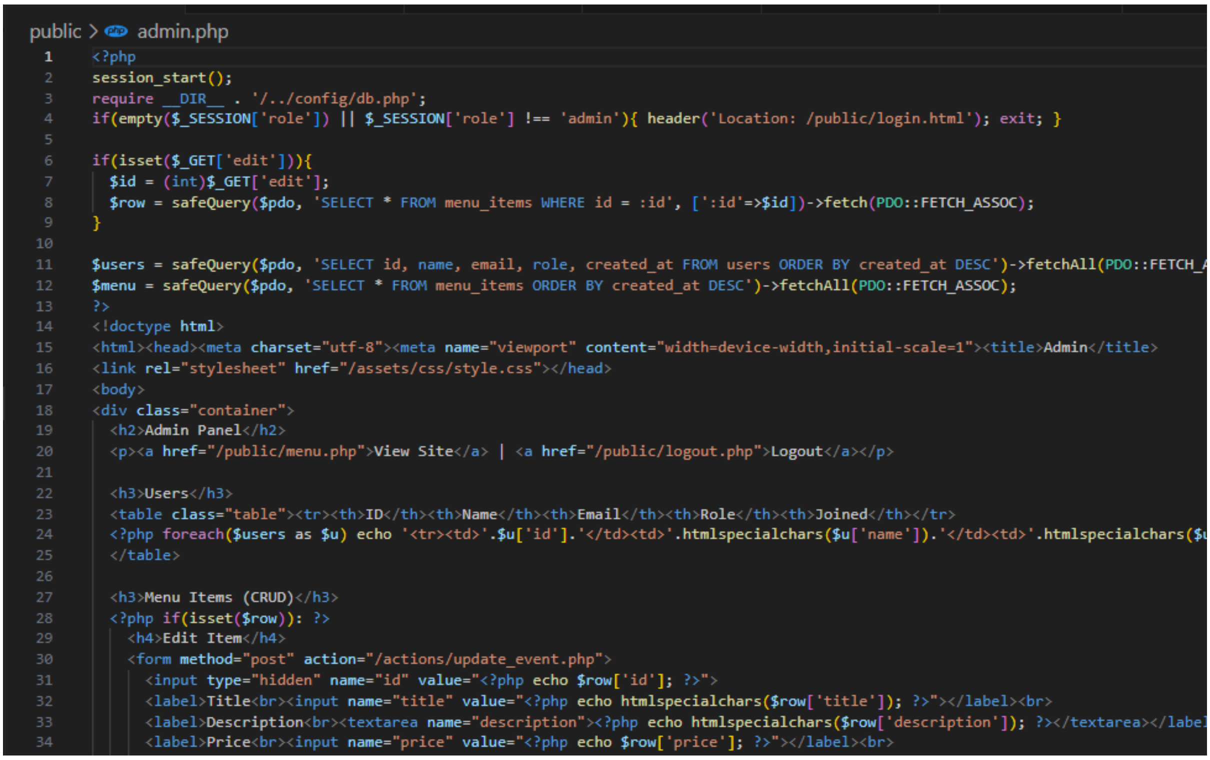
```
<!-- public/faq.html -->
<!doctype html>
<html><head><meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1"><title>FAQ</title>
<link rel="stylesheet" href="/assets/css/style.css"></head>
<body>
<div class="container">
  <h2>FAQ</h2>
  <div class="faq-item">
    <button class="faq-toggle">How long does delivery take?</button>
    <div class="faq-panel" style="display:none">Typically 30-60 minutes depending on location.</div>
  </div>
  <div class="faq-item">
    <button class="faq-toggle">What payment methods accepted?</button>
    <div class="faq-panel" style="display:none">Card, UPI, Cash on Delivery.</div>
  </div>
</div>
<script src="/assets/js/app.js"></script>
</body></html>

```

Dashboard.php

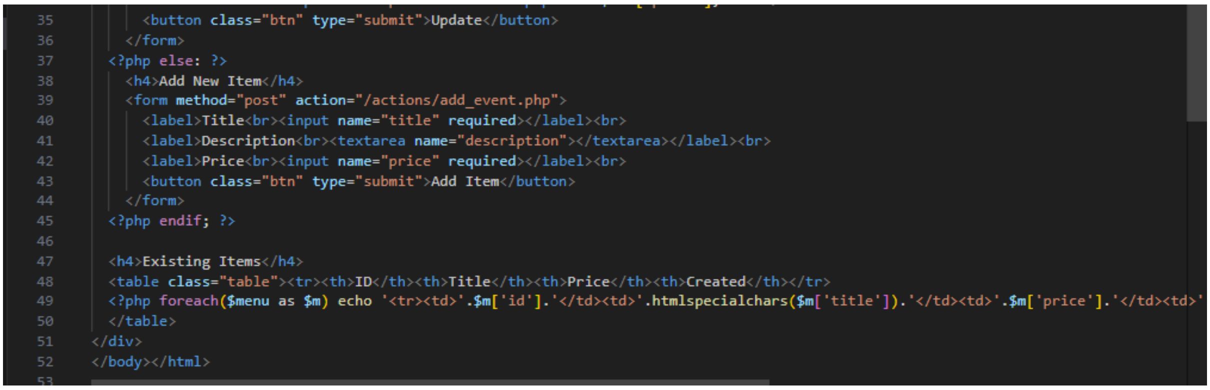


```php
<?php
session_start();
if(empty($_SESSION['user_id'])){
    header('Location: /public/login.html'); exit;
}
require __DIR__ . '/../config/db.php';

$userName = htmlspecialchars($_SESSION['user_name']);
?>
<!doctype html>
<html><head><meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1"><title>Dashboard</title>
<link rel="stylesheet" href="/assets/css/style.css"></head>
<body>
  <div class="container">
    <h2>Welcome, <?php echo $userName; ?></h2>
    <p><a href="/public/menu.php">Order Food</a> | <a href="/public/profile.php">Profile</a> | <a href="/public/logout.php">Logout<

    <?php
    $stmt = safeQuery($pdo, 'SELECT * FROM orders WHERE user_id = :uid ORDER BY created_at DESC', [':uid'=>$_SESSION['user_id']]);
    $orders = $stmt->fetchAll(PDO::FETCH_ASSOC);
    if($orders){
        echo '<h3>Your Orders</h3><table class="table"><tr><th>ID</th><th>Items</th><th>Total</th><th>Status</th></tr>';
        foreach($orders as $o){
            echo '<tr><td>'.$o['id'].'</td><td>'.htmlspecialchars($o['items']).'</td><td>'.$o['total'].'</td><td>'.$o['status'].'</
        }
        echo '</table>';
    } else { echo '<p>No orders yet</p>'; }
    ?>
  </div>
</body></html>
```

Admin.php

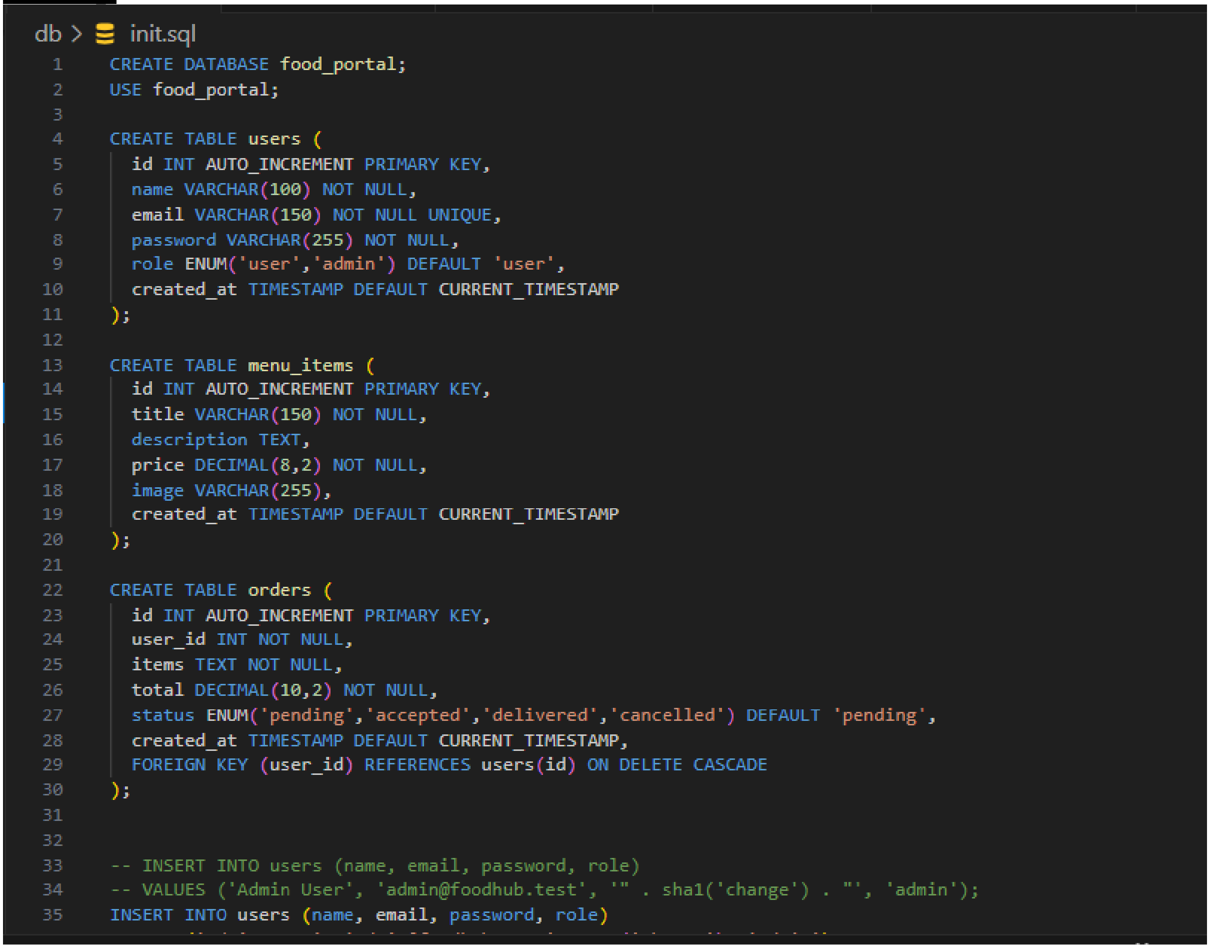


```php
<?php
session_start();
require __DIR__ . '/../config/db.php';
if(empty($_SESSION['role']) || $_SESSION['role'] !== 'admin'){ header('Location: /public/login.html'); exit; }

if(isset($_GET['edit'])){
  $id = (int)$_GET['edit'];
  $row = safeQuery($pdo, 'SELECT * FROM menu_items WHERE id = :id', [':id'=>$id])->fetch(PDO::FETCH_ASSOC);
}

$users = safeQuery($pdo, 'SELECT id, name, email, role, created_at FROM users ORDER BY created_at DESC')->fetchAll(PDO::FETCH_A
$menu = safeQuery($pdo, 'SELECT * FROM menu_items ORDER BY created_at DESC')->fetchAll(PDO::FETCH_ASSOC);
?>
<!doctype html>
<html><head><meta charset="utf-8"><meta name="viewport" content="width=device-width,initial-scale=1"><title>Admin</title>
<link rel="stylesheet" href="/assets/css/style.css"></head>
<body>
<div class="container">
  <h2>Admin Panel</h2>
  <p><a href="/public/menu.php">View Site</a> | <a href="/public/logout.php">Logout</a></p>

  <h3>Users</h3>
  <table class="table"><tr><th>ID</th><th>Name</th><th>Email</th><th>Role</th><th>Joined</th></tr>
  <?php foreach($users as $u) echo '<tr><td>'.$u['id'].'</td><td>'.htmlspecialchars($u['name']).'</td><td>'.htmlspecialchars($u
  </table>

  <h3>Menu Items (CRUD)</h3>
  <?php if(isset($row)): ?>
    <h4>Edit Item</h4>
    <form method="post" action="/actions/update_event.php">
      <input type="hidden" name="id" value="<?php echo $row['id']; ?>">
      <label>Title<br><input name="title" value="<?php echo htmlspecialchars($row['title']); ?>"></label><br>
      <label>Description<br><textarea name="description"><?php echo htmlspecialchars($row['description']); ?></textarea></label
      <label>Price<br><input name="price" value="<?php echo $row['price']; ?>"></label><br>
```



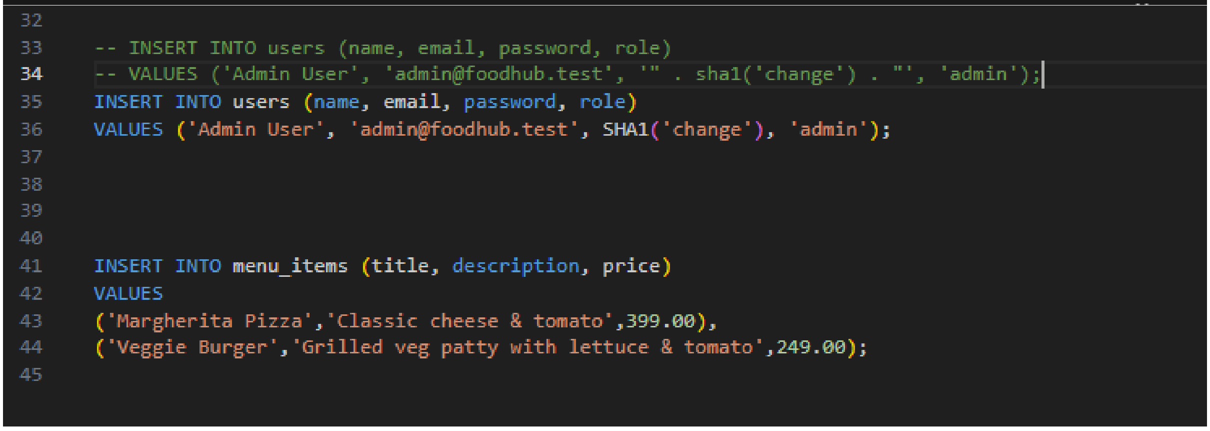
```
      <button class="btn" type="submit">Update</button>
    </form>
  <?php else: ?>
    <h4>Add New Item</h4>
    <form method="post" action="/actions/add_event.php">
      <label>Title<br><input name="title" required></label><br>
      <label>Description<br><textarea name="description"></textarea></label><br>
      <label>Price<br><input name="price" required></label><br>
      <button class="btn" type="submit">Add Item</button>
    </form>
  <?php endif; ?>

  <h4>Existing Items</h4>
  <table class="table"><tr><th>ID</th><th>Title</th><th>Price</th><th>Created</th></tr>
  <?php foreach($menu as $m) echo '<tr><td>'.$m['id'].'</td><td>'.htmlspecialchars($m['title']).'</td><td>'.$m['price'].'</td><td>'
  </table>
</div>
</body></html>
```

Init.sql



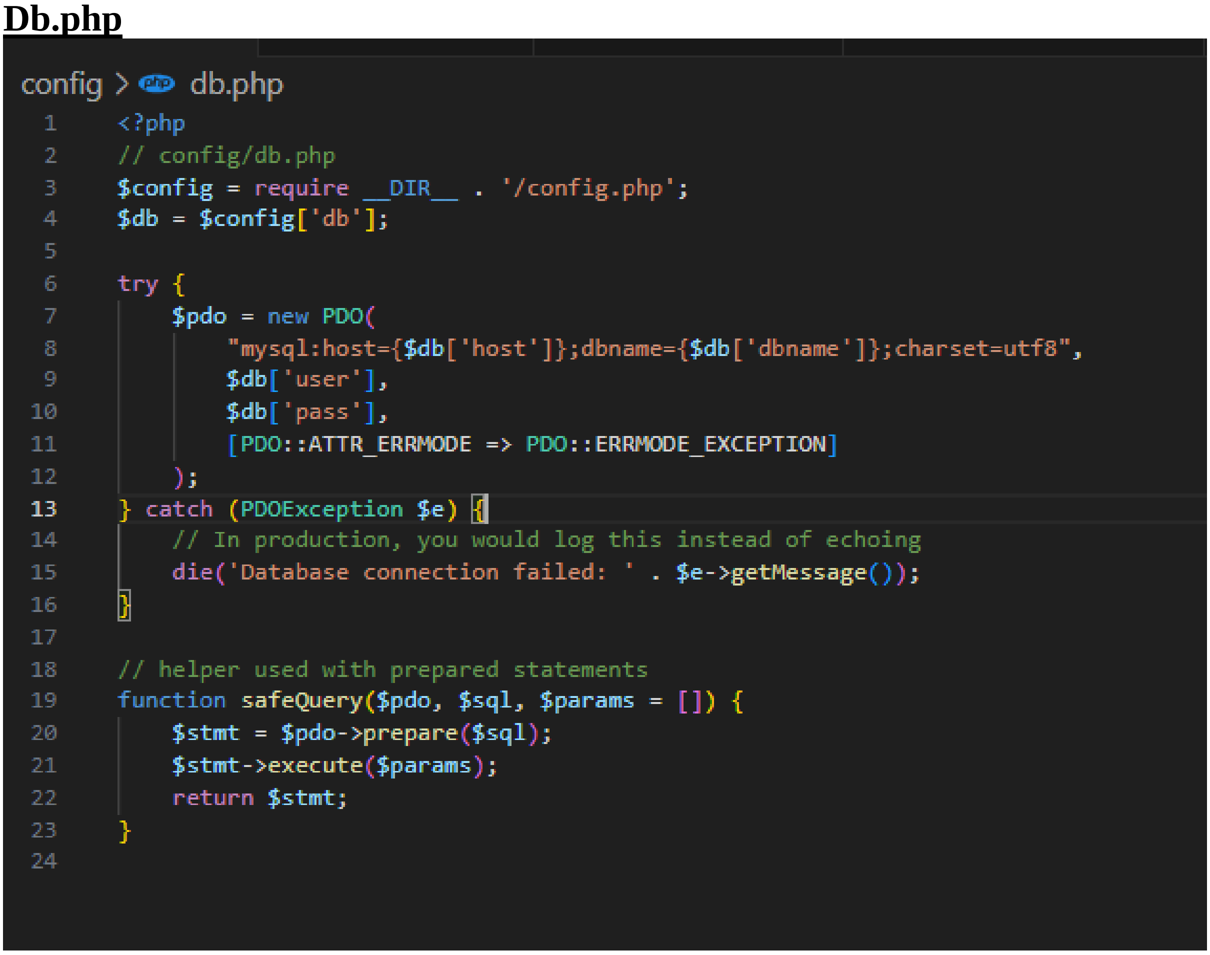
db > init.sql

```sql
CREATE DATABASE food_portal;
USE food_portal;

CREATE TABLE users (
  id INT AUTO_INCREMENT PRIMARY KEY,
  name VARCHAR(100) NOT NULL,
  email VARCHAR(150) NOT NULL UNIQUE,
  password VARCHAR(255) NOT NULL,
  role ENUM('user','admin') DEFAULT 'user',
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);

CREATE TABLE menu_items (
  id INT AUTO_INCREMENT PRIMARY KEY,
  title VARCHAR(150) NOT NULL,
  description TEXT,
  price DECIMAL(8,2) NOT NULL,
  image VARCHAR(255),
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);

CREATE TABLE orders (
  id INT AUTO_INCREMENT PRIMARY KEY,
  user_id INT NOT NULL,
  items TEXT NOT NULL,
  total DECIMAL(10,2) NOT NULL,
  status ENUM('pending','accepted','delivered','cancelled') DEFAULT 'pending',
  created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
  FOREIGN KEY (user_id) REFERENCES users(id) ON DELETE CASCADE
);


-- INSERT INTO users (name, email, password, role)
-- VALUES ('Admin User', 'admin@foodhub.test', '" . sha1('change') . "', 'admin');
INSERT INTO users (name, email, password, role)
```



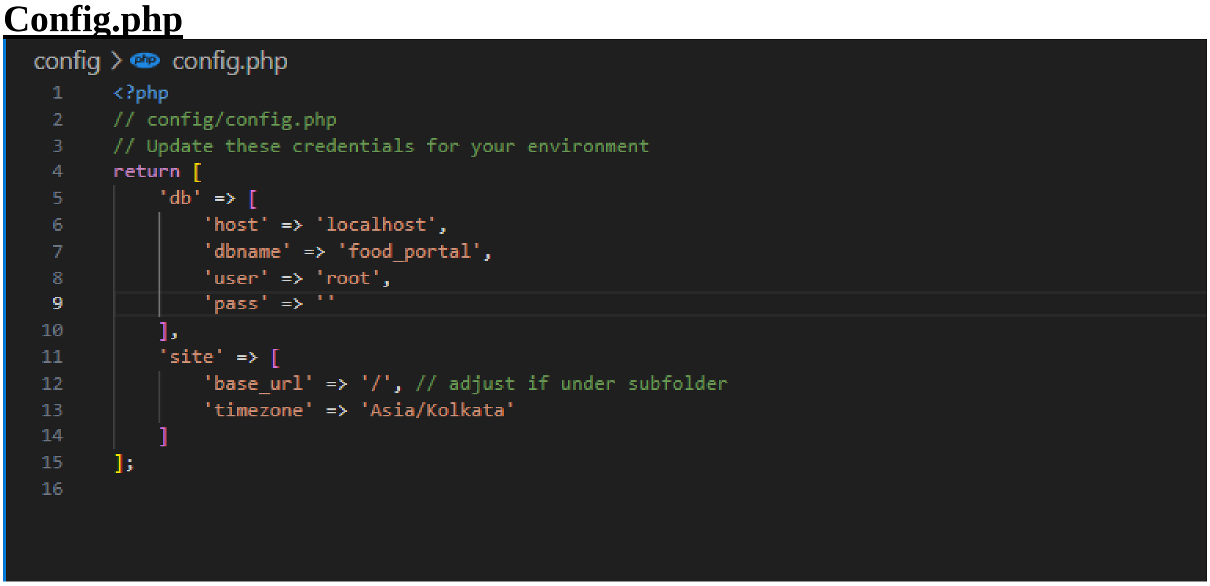
```sql

-- INSERT INTO users (name, email, password, role)
-- VALUES ('Admin User', 'admin@foodhub.test', '" . sha1('change') . "', 'admin');
INSERT INTO users (name, email, password, role)
VALUES ('Admin User', 'admin@foodhub.test', SHA1('change'), 'admin');




INSERT INTO menu_items (title, description, price)
VALUES
('Margherita Pizza','Classic cheese & tomato',399.00),
('Veggie Burger','Grilled veg patty with lettuce & tomato',249.00);

```

Db.php



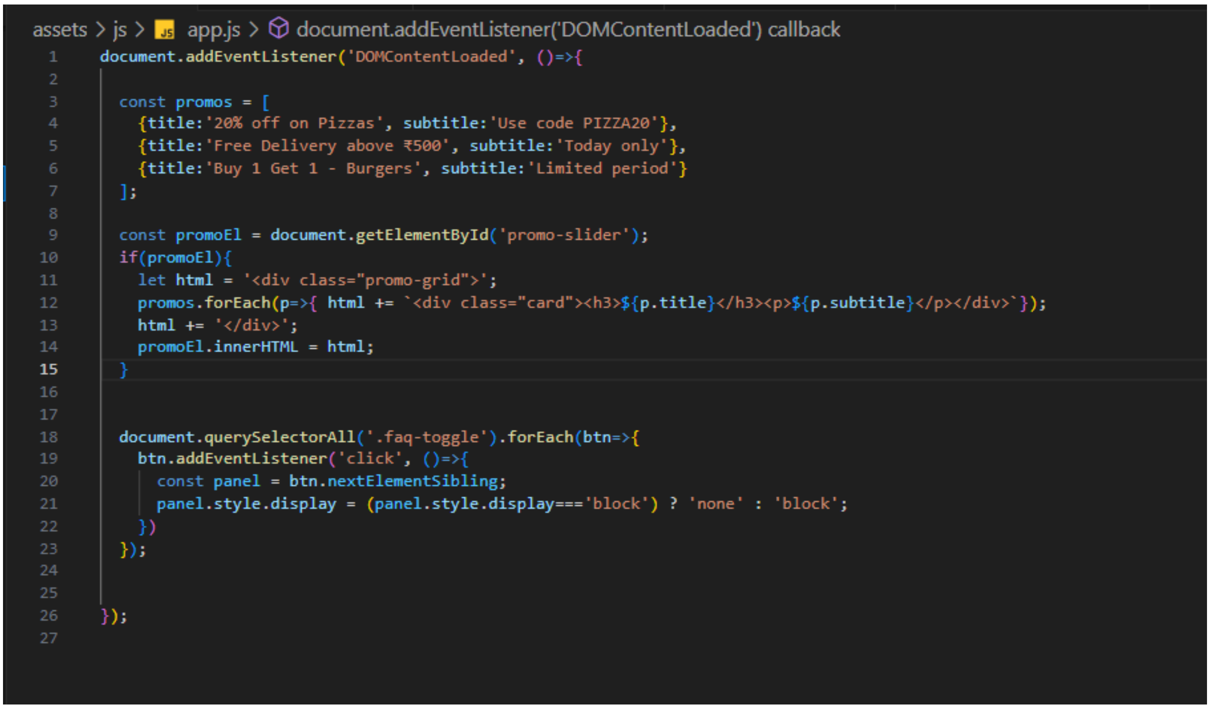
```php
<?php
// config/db.php
$config = require __DIR__ . '/config.php';
$db = $config['db'];

try {
    $pdo = new PDO(
        "mysql:host={$db['host']};dbname={$db['dbname']};charset=utf8",
        $db['user'],
        $db['pass'],
        [PDO::ATTR_ERRMODE => PDO::ERRMODE_EXCEPTION]
    );
} catch (PDOException $e) {
    // In production, you would log this instead of echoing
    die('Database connection failed: ' . $e->getMessage());
}

// helper used with prepared statements
function safeQuery($pdo, $sql, $params = []) {
    $stmt = $pdo->prepare($sql);
    $stmt->execute($params);
    return $stmt;
}

```

Config.php



```php
<?php
// config/config.php
// Update these credentials for your environment
return [
    'db' => [
        'host' => 'localhost',
        'dbname' => 'food_portal',
        'user' => 'root',
        'pass' => ''
    ],
    'site' => [
        'base_url' => '/', // adjust if under subfolder
        'timezone' => 'Asia/Kolkata'
    ]
];

```

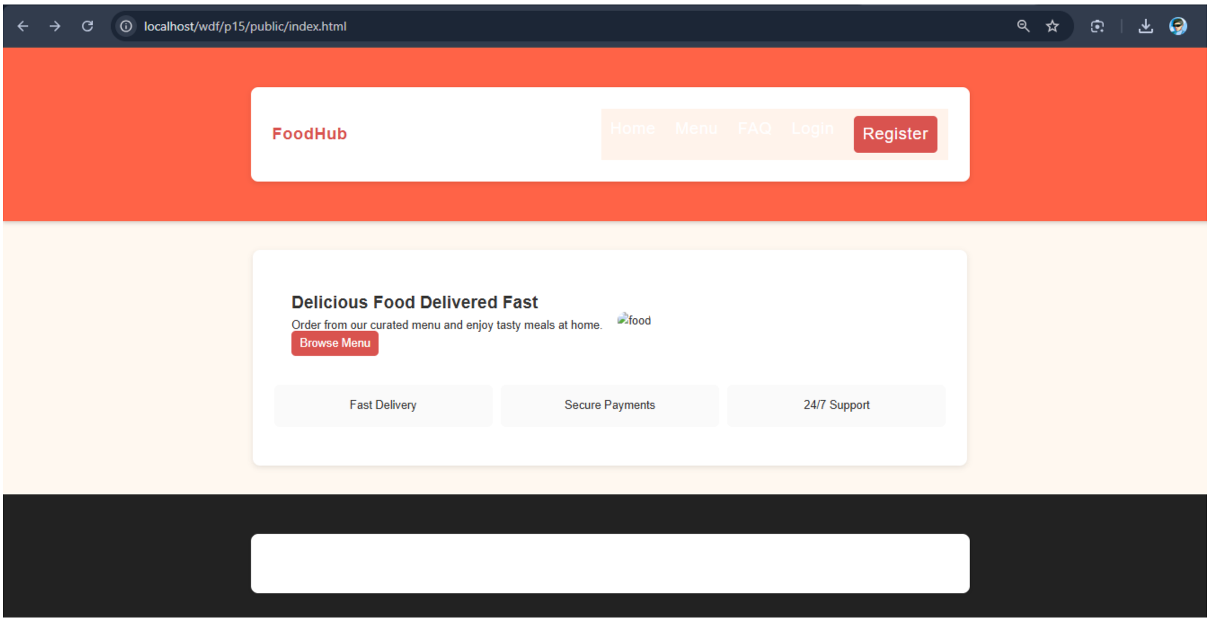
App.js



assets > js > app.js > document.addEventListener('DOMContentLoaded') callback

```javascript
document.addEventListener('DOMContentLoaded', ()=>{

  const promos = [
    {title:'20% off on Pizzas', subtitle:'Use code PIZZA20'},
    {title:'Free Delivery above ₹500', subtitle:'Today only'},
    {title:'Buy 1 Get 1 - Burgers', subtitle:'Limited period'}
  ];

  const promoEl = document.getElementById('promo-slider');
  if(promoEl){
    let html = '<div class="promo-grid">';
    promos.forEach(p=>{ html += `<div class="card"><h3>${p.title}</h3><p>${p.subtitle}</p></div>`});
    html += '</div>';
    promoEl.innerHTML = html;
  }


  document.querySelectorAll('.faq-toggle').forEach(btn=>{
    btn.addEventListener('click', ()=>{
      const panel = btn.nextElementSibling;
      panel.style.display = (panel.style.display==='block') ? 'none' : 'block';
    })
  });


});

```

Output:



Delicious Food Delivered Fast

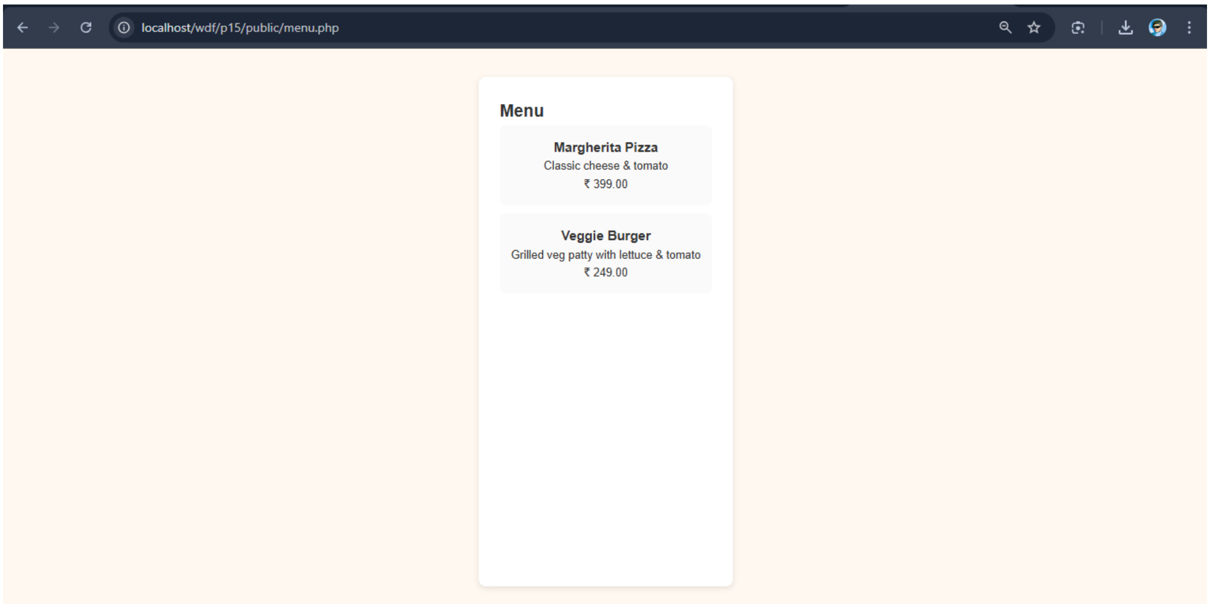
Order from our curated menu and enjoy tasty meals at home.

Fast Delivery

Secure Payments

24/7 Support

Menu page

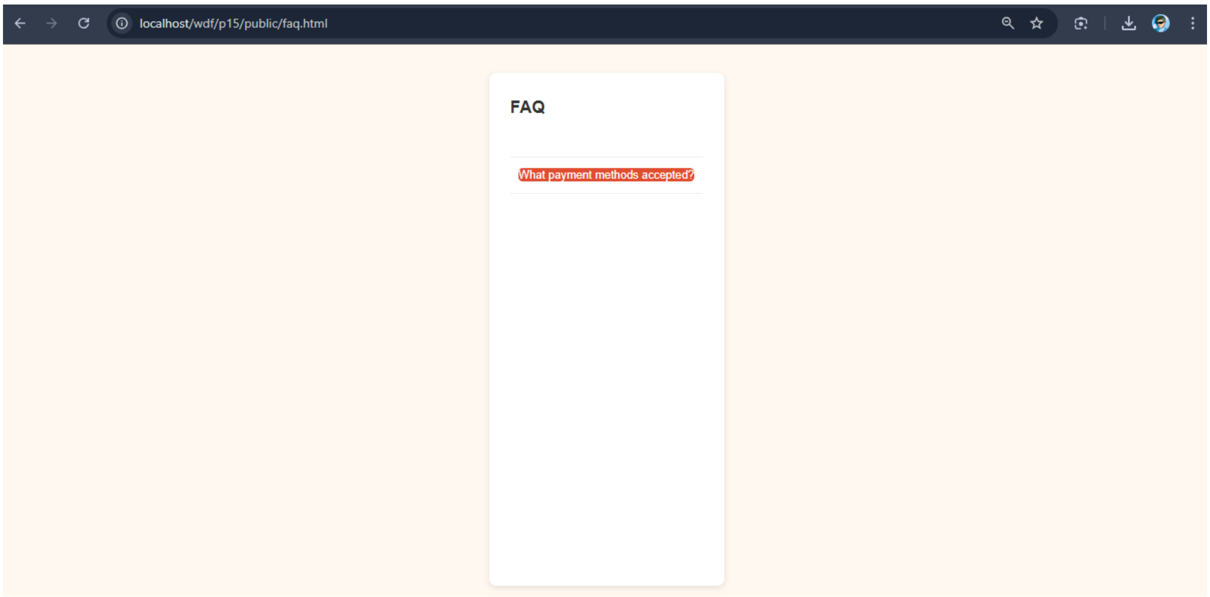


Menu

Margherita Pizza
Classic cheese & tomato
₹ 399.00

Veggie Burger
Grilled veg patty with lettuce & tomato
₹ 249.00

FaQ page

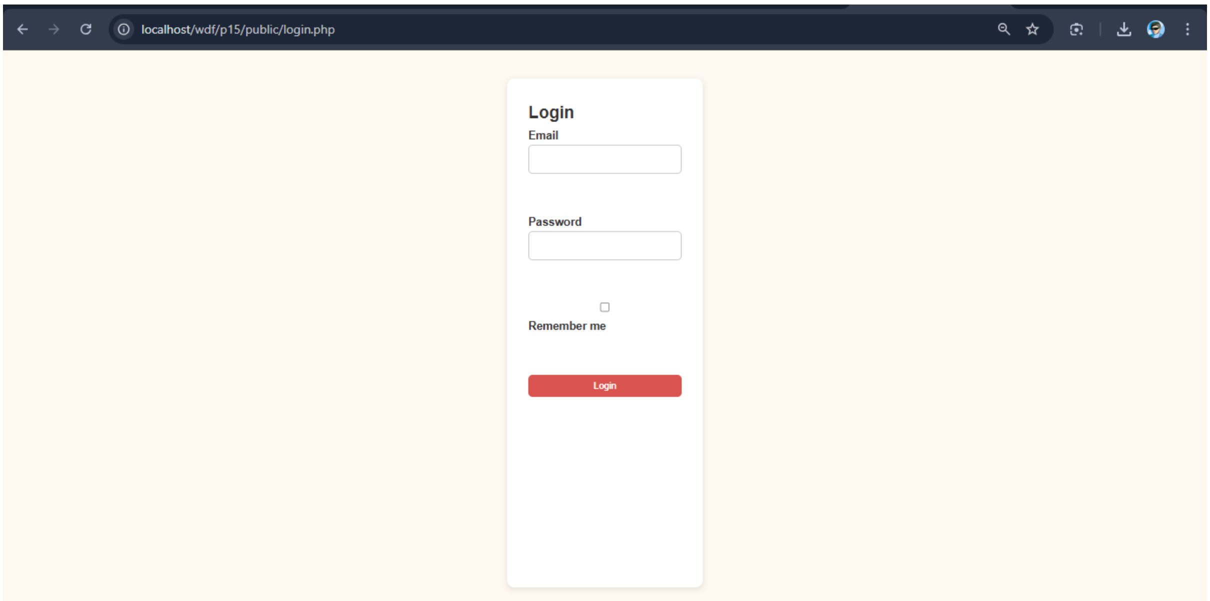


localhost/wdf/p15/public/faq.html

FAQ

What payment methods accepted?

Login page



localhost/wdf/p15/public/login.php

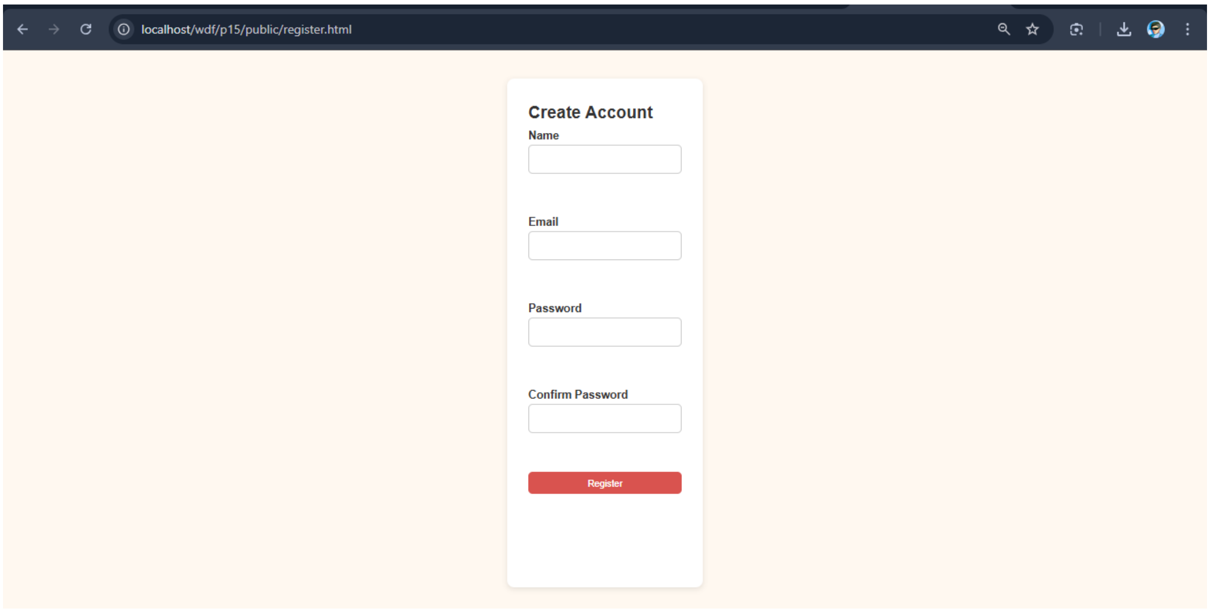
Login

Email

Password

□ Remember me

Register page



localhost/wdf/p15/public/register.html

Create Account

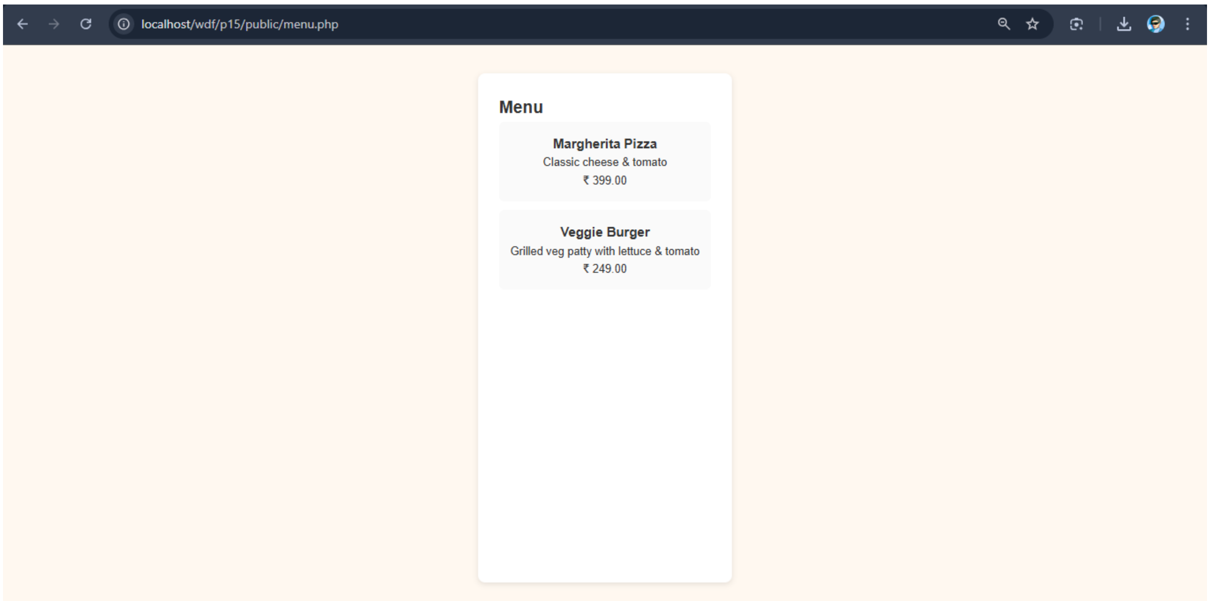
Name

Email

Password

Confirm Password

Browse menu page



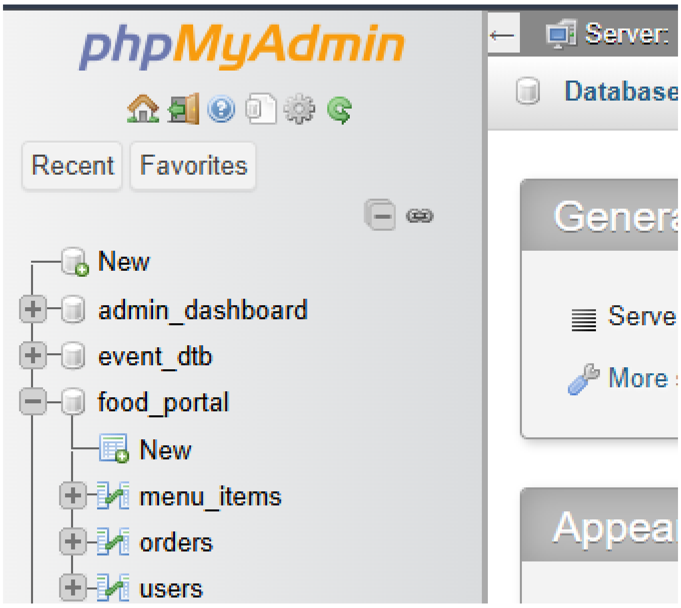
localhost/wdf/p15/public/menu.php

Menu

Margherita Pizza
Classic cheese & tomato
₹ 399.00

Veggie Burger
Grilled veg patty with lettuce & tomato
₹ 249.00

Database homepage



Database:food_portal

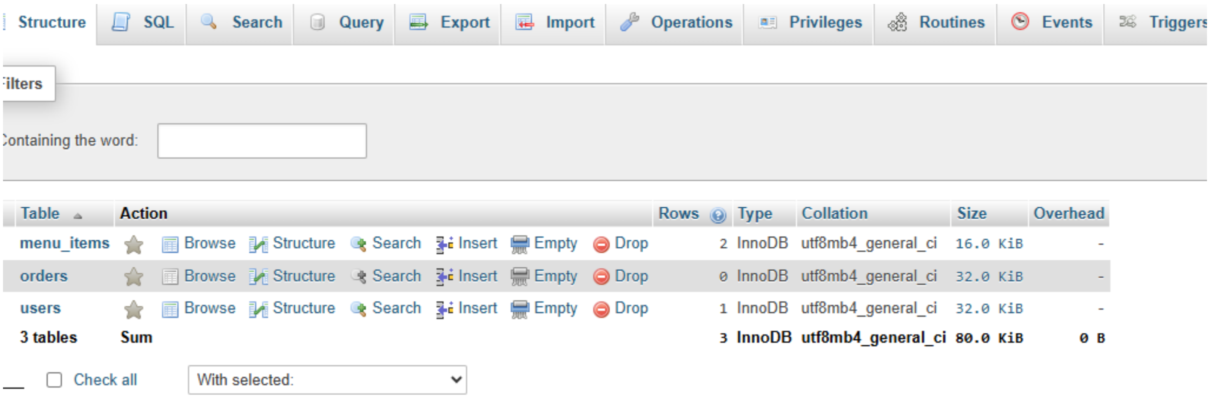
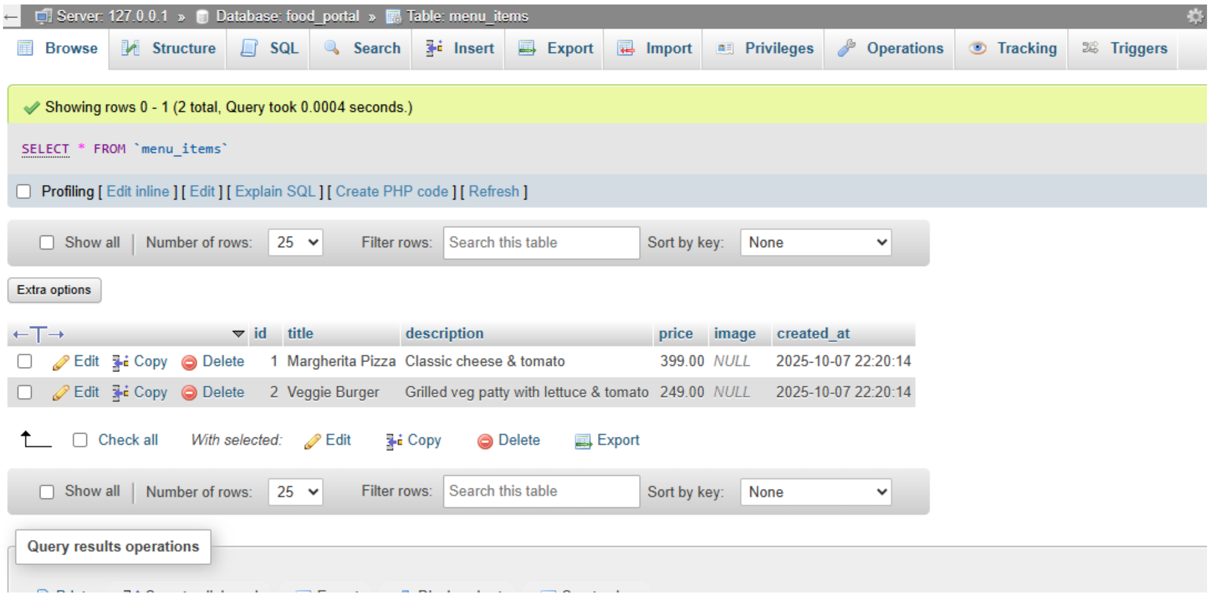


Table	Action	Rows	Type	Collation	Size	Overhead
menu_items	☆ Browse Structure Search Insert Empty Drop	2	InnoDB	utf8mb4_general_ci	16.0 KiB	-
orders	☆ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
users	☆ Browse Structure Search Insert Empty Drop	1	InnoDB	utf8mb4_general_ci	32.0 KiB	-
3 tables	**Sum**	**3**	**InnoDB**	**utf8mb4_general_ci**	**80.0 KiB**	**0 B**

Database:food_portal:menu_items

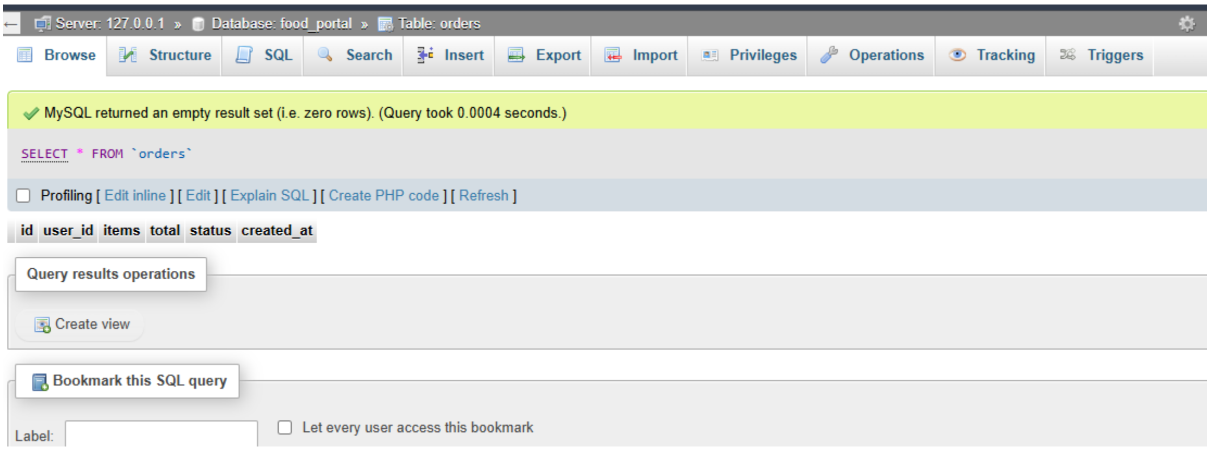

Server: 127.0.0.1 » Database: food_portal » Table: menu_items
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this table
Sort by key: None
Extra options
Check all
With selected: Edit Copy Delete Export
Query results operations

✓ Showing rows 0 - 1 (2 total, Query took 0.0004 seconds.)

```
SELECT * FROM `menu_items`
```

	id	title	description	price	image	created_at
□ Edit Copy Delete	1	Margherita Pizza	Classic cheese & tomato	399.00	NULL	2025-10-07 22:20:14
□ Edit Copy Delete	2	Veggie Burger	Grilled veg patty with lettuce & tomato	249.00	NULL	2025-10-07 22:20:14

Database:food_portal:orders:

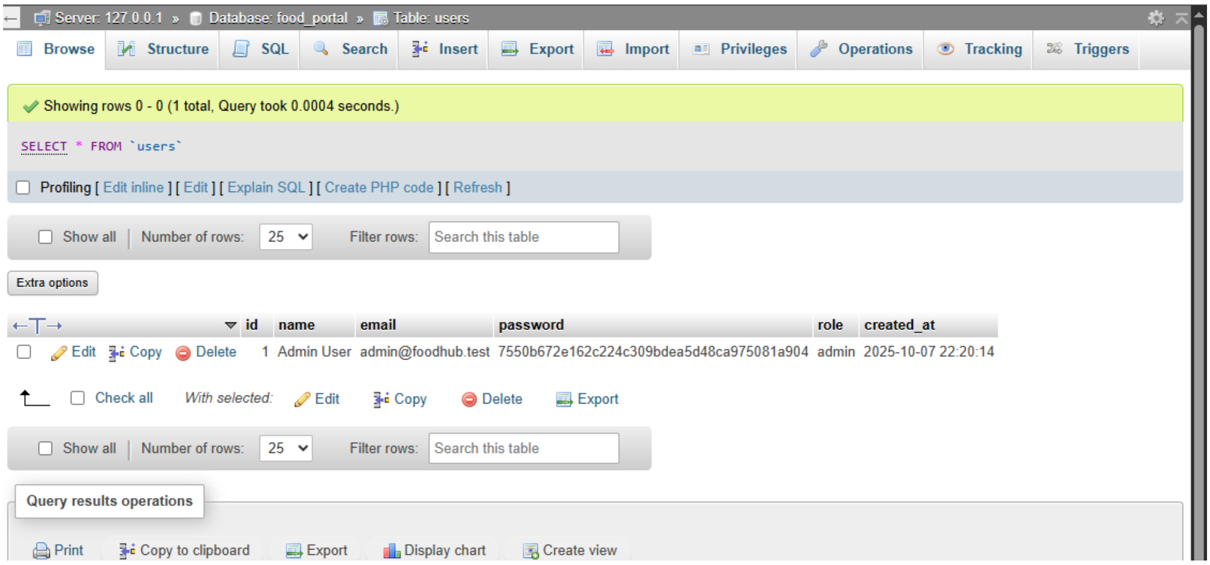

Server: 127.0.0.1 » Database: food_portal » Table: orders
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Query results operations
Create view
Bookmark this SQL query
Label:
Let every user access this bookmark

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0004 seconds.)

```
SELECT * FROM `orders`
```

id	user_id	items	total	status	created_at

Database:food_portal:users:



Server: 127.0.0.1 » Database: food_portal » Table: users
Browse
Structure
SQL
Search
Insert
Export
Import
Privileges
Operations
Tracking
Triggers

Showing rows 0 - 0 (1 total, Query took 0.0004 seconds.)

```
SELECT * FROM `users`
```

□ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
□ Show all | Number of rows: 25 Filter rows: Search this table
Extra options

	id	name	email	password	role	created_at
□ Edit Copy Delete	1	Admin User	admin@foodhub.test	7550b672e162c224c309bdea5d48ca975081a904	admin	2025-10-07 22:20:14

□ Check all With selected: Edit Copy Delete Export
□ Show all | Number of rows: 25 Filter rows: Search this table
Query results operations
Print
Copy to clipboard
Export
Display chart
Create view

Conclusion / Learning Outcome:

Conclusion

The Food Ordering Website Portal successfully integrates multiple web development technologies—**HTML, CSS, JavaScript, PHP, and MySQL**—into a unified, responsive, and secure online platform.

It provides a seamless experience for users to register, log in, browse events or menus, and manage profiles, while administrators can efficiently handle users, orders, and event data through a centralized dashboard.

The project demonstrates the complete workflow of a modern web application, from frontend design and interactivity to backend database connectivity and CRUD operations. Through this project, all essential aspects of **dynamic web application development**—such as session handling, form validation, data storage, and server-side scripting—were successfully implemented and tested.

Learning Outcomes

1. **Frontend Development Skills**
   - Designed responsive and interactive web pages using **HTML5**, **CSS3**, and **JavaScript**.
2. **Backend Integration**
   - Implemented **secure session management**, **password hashing**, and **data sanitization**.
3. **Database Management**
   - Designed and normalized a **MySQL database schema**.
4. **Dynamic Web Functionality**
   - Stored registration data both in a **text file** and in a **database**.
5. **Security and Validation**
   - Understood the importance of **password encryption** and **session security**.

6. **Project Deployment & Structure**
   - Organized the web portal into modular files and directories for scalability.