(Due to technical issues, the search service is temporarily unavailable.)

Creating an \*\*Outpass Management System\*\* using \*\*HTML, CSS, JavaScript\*\* for the frontend and \*\*PHP with MySQL\*\* (using XAMPP) for the backend is a great choice. Below is a step-by-step guide to building the system, including code snippets and database setup.

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### \*\*Step 1: Setup XAMPP\*\*

1. Install \*\*XAMPP\*\* from [https://www.apachefriends.org/](https://www.apachefriends.org/).

2. Start the \*\*Apache\*\* and \*\*MySQL\*\* services from the XAMPP Control Panel.

3. Open \*\*phpMyAdmin\*\* (http://localhost/phpmyadmin) to create the database.

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### \*\*Step 2: Database Setup\*\*

Create a database named `outpass\_management` and the following tables:

#### \*\*1. Users Table\*\*

```sql

CREATE TABLE users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

role ENUM('student', 'faculty', 'security', 'admin') NOT NULL

);

```

#### \*\*2. Outpass Table\*\*

```sql

CREATE TABLE outpass (

outpass\_id INT AUTO\_INCREMENT PRIMARY KEY,

student\_id INT NOT NULL,

reason TEXT NOT NULL,

destination VARCHAR(255) NOT NULL,

departure\_time DATETIME NOT NULL,

return\_time DATETIME NOT NULL,

status ENUM('Pending', 'Approved', 'Rejected') DEFAULT 'Pending',

approved\_by INT,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

FOREIGN KEY (student\_id) REFERENCES users(user\_id),

FOREIGN KEY (approved\_by) REFERENCES users(user\_id)

);

```

#### \*\*3. Security Logs Table\*\*

```sql

CREATE TABLE security\_logs (

log\_id INT AUTO\_INCREMENT PRIMARY KEY,

outpass\_id INT NOT NULL,

exit\_time DATETIME,

entry\_time DATETIME,

verified\_by INT,

FOREIGN KEY (outpass\_id) REFERENCES outpass(outpass\_id),

FOREIGN KEY (verified\_by) REFERENCES users(user\_id)

);

```

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### \*\*Step 3: Frontend (HTML, CSS, JavaScript)\*\*

#### \*\*1. Login Page (`login.html`)\*\*

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Login</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<div class="login-container">

<h2>Login</h2>

<form id="loginForm">

<input type="email" id="email" placeholder="Email" required>

<input type="password" id="password" placeholder="Password" required>

<button type="submit">Login</button>

</form>

<p id="errorMessage" class="error"></p>

</div>

<script src="scripts.js"></script>

</body>

</html>

```

#### \*\*2. Student Dashboard (`student\_dashboard.html`)\*\*

```html

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Student Dashboard</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<div class="dashboard">

<h2>Student Dashboard</h2>

<button onclick="showOutpassForm()">Apply for Outpass</button>

<div id="outpassForm" class="form-container">

<h3>Apply for Outpass</h3>

<form id="applyOutpassForm">

<textarea id="reason" placeholder="Reason" required></textarea>

<input type="text" id="destination" placeholder="Destination" required>

<input type="datetime-local" id="departure" required>

<input type="datetime-local" id="return" required>

<button type="submit">Submit</button>

</form>

</div>

<div id="outpassStatus">

<h3>Outpass Status</h3>

<ul id="outpassList"></ul>

</div>

</div>

<script src="scripts.js"></script>

</body>

</html>

```

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### \*\*Step 4: Backend (PHP)\*\*

#### \*\*1. Database Connection (`db.php`)\*\*

```php

<?php

$host = 'localhost';

$db = 'outpass\_management';

$user = 'root';

$pass = '';

$conn = new mysqli($host, $user, $pass, $db);

if ($conn->connect\_error) {

die("Connection failed: " . $conn->connect\_error);

}

?>

```

#### \*\*2. Login (`login.php`)\*\*

```php

<?php

include 'db.php';

$email = $\_POST['email'];

$password = $\_POST['password'];

$sql = "SELECT \* FROM users WHERE email='$email'";

$result = $conn->query($sql);

if ($result->num\_rows > 0) {

$user = $result->fetch\_assoc();

if (password\_verify($password, $user['password'])) {

session\_start();

$\_SESSION['user\_id'] = $user['user\_id'];

$\_SESSION['role'] = $user['role'];

echo json\_encode(['status' => 'success', 'role' => $user['role']]);

} else {

echo json\_encode(['status' => 'error', 'message' => 'Invalid credentials']);

}

} else {

echo json\_encode(['status' => 'error', 'message' => 'User not found']);

}

?>

```

#### \*\*3. Apply for Outpass (`apply\_outpass.php`)\*\*

```php

<?php

include 'db.php';

session\_start();

if (!isset($\_SESSION['user\_id']) || $\_SESSION['role'] != 'student') {

die("Unauthorized access");

}

$student\_id = $\_SESSION['user\_id'];

$reason = $\_POST['reason'];

$destination = $\_POST['destination'];

$departure = $\_POST['departure'];

$return = $\_POST['return'];

$sql = "INSERT INTO outpass (student\_id, reason, destination, departure\_time, return\_time)

VALUES ('$student\_id', '$reason', '$destination', '$departure', '$return')";

if ($conn->query($sql) {

echo json\_encode(['status' => 'success']);

} else {

echo json\_encode(['status' => 'error', 'message' => $conn->error]);

}

?>

```

---

### \*\*Step 5: JavaScript for Frontend Interaction\*\*

#### \*\*1. Login Form Submission\*\*

```javascript

document.getElementById('loginForm').addEventListener('submit', function (e) {

e.preventDefault();

const email = document.getElementById('email').value;

const password = document.getElementById('password').value;

fetch('login.php', {

method: 'POST',

headers: { 'Content-Type': 'application/json' },

body: JSON.stringify({ email, password })

})

.then(response => response.json())

.then(data => {

if (data.status === 'success') {

if (data.role === 'student') {

window.location.href = 'student\_dashboard.html';

} else if (data.role === 'faculty') {

window.location.href = 'faculty\_dashboard.html';

}

} else {

document.getElementById('errorMessage').textContent = data.message;

}

});

});

```

#### \*\*2. Apply for Outpass\*\*

```javascript

document.getElementById('applyOutpassForm').addEventListener('submit', function (e) {

e.preventDefault();

const reason = document.getElementById('reason').value;

const destination = document.getElementById('destination').value;

const departure = document.getElementById('departure').value;

const returnTime = document.getElementById('return').value;

fetch('apply\_outpass.php', {

method: 'POST',

headers: { 'Content-Type': 'application/json' },

body: JSON.stringify({ reason, destination, departure, return: returnTime })

})

.then(response => response.json())

.then(data => {

if (data.status === 'success') {

alert('Outpass applied successfully!');

} else {

alert('Error: ' + data.message);

}

});

});

```

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### \*\*Step 6: Testing\*\*

1. Test the login functionality.

2. Test the outpass application process.

3. Test the faculty approval and security verification processes.

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### \*\*Step 7: Deployment\*\*

- Host the PHP files in the `htdocs` folder of XAMPP.

- Access the website via `http://localhost/your-folder-name`.

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This is a basic implementation. You can expand it further by adding features like email notifications, QR code integration, and more. Let me know if you need help with any specific part!