

University Management System (UMS)

Overview

The University Management System (UMS) is a web-based application developed for managing university operations including user registrations, course management, scheduling, and messaging. The system provides three distinct portals:

- **Admin Portal:** Central control for administrators to manage users, courses, and communications.
- **Faculty Portal:** Interface for faculty members to view assignments, set schedules, and communicate.
- **Student Portal:** Interface for students to enroll in courses, view schedules, and communicate.

Prerequisites

- **WampServer** installed on Windows (ensure version supports PHP & MySQL).
- **PHP** (≥ 7.0), **MySQL**, and **Apache** configured via WampServer.

Installation

1. Locate your WampServer installation directory (commonly C:\wamp64\www).
2. Copy the University-Management project folder into the www directory:

C:\wamp64\www\UMS

Running the Application

1. Start WampServer and ensure Apache and MySQL services are running.
2. Open your web browser and navigate to:

<http://localhost/UMS/UMS-Code/index.php>

3. You will be presented with the login screen. Use the Administrator credentials to begin.

Administrator Credentials

- **Name:** Administrator
- **Email:** admin@itu.edu.pk
- **Password:** Admin@123

Project Structure

```
UMS/
├── UMS-Code/
│   ├── assets/
│   │   └── ITU-Lahore-Punjab.jpg
│   ├── src/
│   │   ├── admin_profile.php
│   │   ├── admin.php
│   │   ├── admin_messages.php
│   │   ├── compose_message.php
│   │   ├── config.php
│   │   ├── courses.php
│   │   ├── delete_user.php
│   │   ├── edit_user.php
│   │   ├── faculty_schedule.php
│   │   ├── register_faculty.php
│   │   ├── register_student.php
│   │   ├── schedule.php
│   │   ├── users.php
│   │   └── view_messages.php
│   ├── database_setup.php
│   ├── enroll_courses.php
│   ├── faculty_dashboard.php
│   ├── faculty_messages.php
│   ├── view_message_faculty.php
│   ├── index.php
│   ├── logout.php
│   ├── student_dashboard.php
│   ├── student_messages.php
│   └── view_message_student.php
└── README.md
```

Static files (images, CSS, JS)
Example asset
PHP portal scripts
Admin: profile management
Admin: main dashboard
Admin: view all messages
Admin: send a new message
Application configuration (DB credentials)
Admin: manage courses
Admin: remove users
Admin: update user information
Admin: view faculty schedules
Admin: add faculty members
Admin: add student members
Admin: set/view schedule entries
Admin: list all users
Admin: detailed message threads
Create and initialize the UMS database and tables
Student: enroll in available courses
Faculty: main dashboard
Faculty: view received messages
Faculty: detailed view for a message
Common: login landing page
Common: user logout script
Student: main dashboard
Student: view received messages
Student: detailed view for a message
Project documentation

Execution Workflow

1. Admin Portal

1. **Login** using Administrator credentials.
2. **User Management**
 - Register new users (Students & Faculty).
 - Store both login credentials and personal information.
3. **Course Registration**
 - Create and assign courses to faculty members.

4. **Messaging Module**

- Send messages to students or faculty by selecting user IDs (names displayed).

5. **Schedule Viewing**

- View schedules set by faculty members across the university.

2. **Faculty Portal**

1. **Prerequisite:** Faculty user must be registered via Admin User Management.

2. **Login** using assigned Faculty email/ID and password.

3. **Dashboard**

- View list of assigned courses.
- Set and update teaching schedules for each course.

4. **Messaging Module**

- Send messages to the Admin (fixed admin email).
- Send messages to enrolled students by selecting their IDs (names displayed).

3. **Student Portal**

1. **Prerequisite:** Student user must be registered via Admin User Management.

2. **Login** using assigned Student email/ID and password.

3. **Dashboard**

- View list of available courses offered by the university.
- Enroll in courses to which the student has access.

4. **Messaging Module**

- Send messages to the Admin (fixed admin email).
- Send messages to faculty members by selecting their IDs (names displayed).