

JAVA PROJECT

UNIVERSITY MANAGEMENT SYSTEM





UNIVERSITY MANAGEMENT SYSTEM

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ABOUT US

Welcome to UNIVERSITY MANAGEMENT SYSTEM , the comprehensive University Management System designed to streamline and revolutionize academic and administrative operations. Our mission is to empower universities, colleges, and educational institutions with cutting-edge technology that enhances efficiency, transparency, and collaboration.





IMPORTANCE



A University Management System (UMS) is essential for modern educational institutions as it plays a pivotal role in streamlining administrative and academic processes.

1. Efficiency in Administrative Tasks
2. Centralized Data Management
3. Enhanced Student Experience
4. Data Security and Compliance





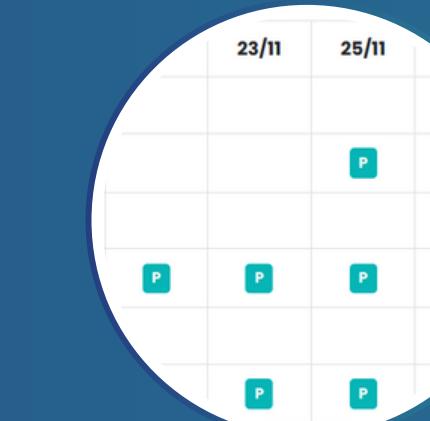
BEST PRACTICES



Student Management

The Student class is designed to:

1. Represent a student with specific details (like ID, name, and email).
2. Provide flexibility in creating or modifying student objects.



Attendance Management

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Fee Structure

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Course & Enrollment Management

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User Interface

University Management System

Add Student

Name

Email

Add Student

Add Course

Course Name

Credits

Add Course

Enroll Student

Select Student

Select Course

Enroll

Record Attendance

Select Student

Select Course

dd-mm-yyyy

Present

Record Attendance



Login Page

Signin

Username

Password

[Signin](#)

or signin with

Welcome back!

Welcome back! We are so happy to have you here. It's great to see you again. We hope you had a safe and enjoyable time away.

No account yet? [Signup](#).



DATABASES AND SAMPLE SCHEMAS

STUDENTS

	id	name	email
▶	1	Alice Smith	alice.smith@example.com
	2	Bob Johnson	bob.johnson@example.com
	3	Charlie Brown	charlie.brown@example.com
	4	Diana Prince	diana.prince@example.com
	5	Ethan Hunt	ethan.hunt@example.com
*	HULL	HULL	HULL

COURSES

	id	course_name	credits
▶	1	Mathematics	4
	2	Physics	3
	3	Chemistry	4
	4	Computer Science	3
	5	Biology	3
*	HULL	HULL	HULL

ATTENDANCE

	id	student_id	course_id	date	status
▶	1	1	1	2024-11-20	Present
	2	1	3	2024-11-21	Absent
	3	2	2	2024-11-20	Present
	4	2	4	2024-11-22	Present
	5	3	1	2024-11-20	Absent
	6	3	5	2024-11-21	Present
	7	4	4	2024-11-22	Absent
	8	5	2	2024-11-20	Present
*	HULL	HULL	HULL	HULL	HULL

ENROLLMENTS

	id	student_id	course_id
▶	1	1	1
	2	1	3
	3	2	2
	4	2	4
	5	3	1
	6	3	5
	7	4	4
	8	5	2
*	HULL	HULL	HULL

FEES STRUCTURE

	id	course_name	tuition_fee	lab_fee	library_fee	total_fee
▶	1	Mathematics	1000	200	150	1350
	2	Physics	1200	250	200	1650
	3	Chemistry	1100	300	180	1580
	4	Computer Science	1500	400	250	2150
	5	Biology	1300	350	220	1870
*	HULL	HULL	HULL	HULL	HULL	HULL



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SERVER



Apache Tomcat

1. **Servlet Container:** Runs Java servlets and JSPs to handle dynamic web content.
2. **Lightweight:** A fast, efficient, and easy-to-use alternative to full Java EE servers
3. **Cross-Platform:** Runs on any system with a JVM (Java Virtual Machine).
4. **Extensible:** Supports various plugins and extensions for features like security, connection pooling, and monitoring.



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THANK YOU!

