



JOB SEARCH PLATFORM

Harish Sahu 4th Year, Department of CSE AI, Gandhi Institute for Technology, BPUT, India
harish2021@gift.edu.in

Assistant Professor, Department of CSE, Gandhi Institute for Technology, BPUT, India

Abstract-

A User Management System (UMS) is a comprehensive software solution designed to streamline the administration of user accounts and access permissions within an organization. The system provides a centralized platform for managing user profiles, roles, and authentication processes, ensuring secure and efficient access to resources. Key features of the UMS include user registration, profile management, role-based access control, password management, and audit trails. By automating these processes, the UMS enhances security, reduces administrative overhead, and improves user experience. The system is scalable and adaptable to various organizational needs, making it an essential tool for maintaining the integrity and security of user data.

Keywords –

user registration, profile management, audit trails.

I. INTRODUCTION

The User Management System (UMS) project is designed to address this need by providing a comprehensive solution for managing user data, roles, and permissions within a software environment. This project employs a combination of Java, Advanced Java (including technologies such as Servlets and JSP), and SQL to create a robust and scalable user management solution.

II. LITERATURE REVIEW

The concept of User Management Systems (UMS) has evolved significantly, driven by the need for secure and efficient management of user identities and access permissions within organizations. Early systems focused on basic authentication and user account administration. The introduction of role-based access control (RBAC) simplified access rights management. Advanced technologies like biometrics, multi-factor authentication (MFA), and artificial intelligence (AI) have enhanced UMS capabilities. Future research will explore blockchain and decentralized identity management to further revolutionize user management..

III. EXISTING SYSTEM

The existing system for user management primarily focuses on basic authentication and user account administration. It employs role-based access control (RBAC) to simplify access rights management. Advanced technologies like biometrics, multi-factor authentication (MFA), and artificial intelligence (AI) have been integrated to enhance security and efficiency. Future developments may explore blockchain and decentralized identity management to further improve user management capabilities.

IV. PROPOSED SYSTEM

The existing user management system employs role-based access control (RBAC) to streamline the assignment of permissions, enhancing security and efficiency. Advanced technologies such as biometrics and multi-factor authentication (MFA) have been integrated to provide higher levels of security compared to traditional password-based systems. Artificial intelligence (AI) and machine

learning algorithms are utilized to detect and respond to anomalous user behavior, enabling real-time monitoring and proactive threat detection. Future developments may explore blockchain and decentralized identity management to further revolutionize user management and enhance the overall security and scalability of the system.

V. MODULES DESCRIPTION

5.1 Admin modules: This module allows administrators to manage the entire user management system. It includes functionalities such as creating, updating, and deleting user accounts, assigning roles and permissions, and monitoring system activities. Administrators can also generate reports and perform audits to ensure compliance with organizational policies.

User Authentication: This module handles the login process, verifying the user's credentials and granting access to the system. It may include features like password recovery and two-factor authentication for added security.

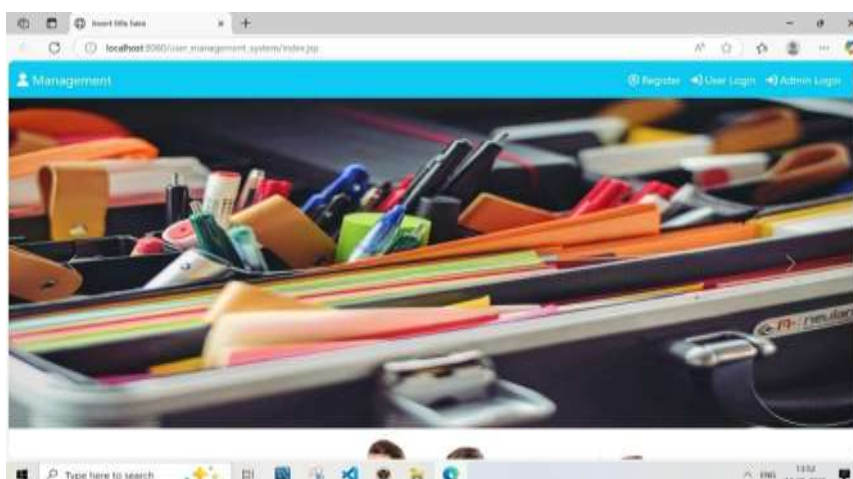
Role-Based Access Control: This module manages user roles and permissions, ensuring that users have access to the appropriate features and data based on their role within the organization. It helps in maintaining security and data integrity.

User Activity Tracking: This module monitors and logs user activities within the system, providing insights into user behavior and helping in identifying any suspicious activities. It can be useful for auditing and compliance purposes.

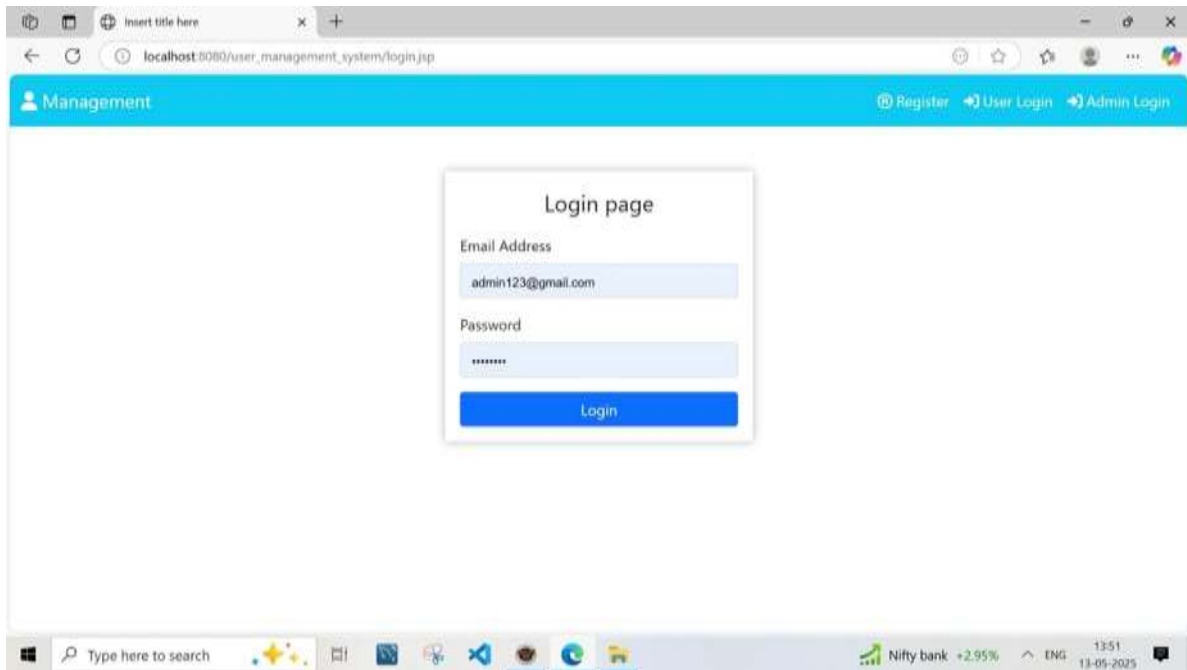
Reg Job seeker: The administrator can examine the list of applicants (job seekers) as well as the specifics of each candidate in this area.

Reporting and Analytics: This module provides tools for generating reports and analyzing user data, helping administrators make informed decisions based on user activity and system usage.

Register Page

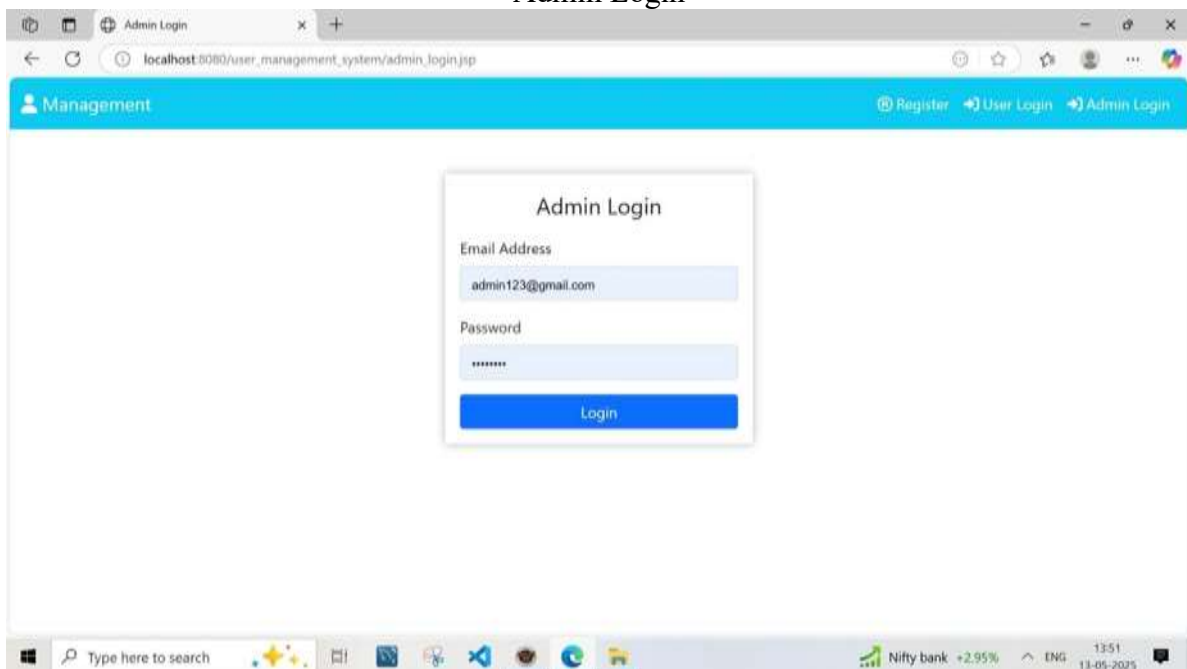


Implementation



User Login

Admin Login



VII.CONCLUSION

In conclusion, the user management system is a comprehensive solution designed to streamline and secure the management of user accounts within an organization. By incorporating essential modules such as user registration, authentication, profile management, role-based access control, activity tracking, notifications, deactivation/reactivation, and reporting/analytics, the system ensures a seamless and efficient user experience. It not only enhances security through robust authentication and access control mechanisms but also provides valuable insights into user behavior and system usage. The ability to track user activities and generate detailed reports aids in compliance and informed decision-making. Overall, this user management system is a vital tool for maintaining the integrity, security, and efficiency of user-related operations, ultimately contributing to the organization's success.

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