

A Web-Based Hospital Management System using PHP and MySQL

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Abstract: *This paper details the design, development, and features of a web-based Hospital Management System (HMS) aimed at streamlining patient registration, appointment scheduling, and administrative oversight. The system utilizes a three-module architecture (Patient, Doctor, Admin) providing distinct interfaces and functionalities for each user type. Built using HTML, CSS, JavaScript, and Bootstrap for the front-end, and PHP with a MySQL RDBMS for the back-end logic and data storage, the system offers features including user registration/login, appointment booking and cancellation, appointment history viewing, doctor management (addition/removal by admin), patient/doctor searching, and feedback viewing. The system offers an easy interface and demonstrates a real-world use of standard web technologies for managing basic healthcare needs. We have implemented this project in project-based learning..*

Keywords: Hospital Management System, HMS, Web Application, PHP, MySQL, Bootstrap, Appointment Scheduling, Patient Management, Healthcare IT, Modular Design, Database Management

