Library Management System

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Abstract: *The majority of universities still operate their libraries primarily by hand at the moment. This study suggests a library management system that is created and executed based on a web service to address the issue of the time-consuming and inconvenient traditional manual operation. It provides an easy-to-use interface that enables users to explore and filter the entries that are available, which can be retrieved or uploaded by copying them from one of the Storage Elements into the user's local system or vice versa. This study develops the information architecture and key mechanisms of the library management system and examines the invention of system service mode from the viewpoints of readers' information acquisition and modification, quick management, and delivery of books. The conventional library management technique, with its poor efficiency and single operation mode, is considered, along with its low efficiency and single operation mode. Finally, we employ stored procedures and trigger technologies to enhance database performance in order to increase the database's operational efficiency. We fix the system problem and enhance system performance through actual testing.*

Keywords: Library Management, Database Optimization, Web Development

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