Hospital Management System(HMS)

**Abstract**

Hospital Management System(HMS) allows users to take appointment from home, check schedule of the doctors. Hospital authority can manage their doctors’ information.

1. **Introduction**:

HMS customarily used by hospitals to manage doctor appointment schedule, departments, track test reports etc. HMS helps reduce this problem. Patients get to know about the doctors’ information. HMS make a smooth path between doctor and patient to diagnosis in efficient way.

* 1. **Problem Statement:**

It is very salient to keep records of a hospital. HMS allows to keep these records. It provides an easy way to manage the information. It will be beneficial for the hospitals to HMS rather than use hard copy.

* 1. **Objectives:**
* To meet the project deadline
* To meet the requirement as planned
* To develop database
* To implement the features
  1. **Feature Description:**
* **Admin Features:**
* Add Doctor
* Edit Doctor Information
* Update Doctor Information
* Delete Doctor
* **Receptionist Features:**
* Approve Appointment
* Reserve Appointment
* **Patient Features:**
* Take Appointment
* See doctor schedules

1. **Project Design:**

Project design is the early phase where all the features and structures of a project are planned out. So, in this section we provide the details of our project implementation and its design including feature and criteria for success.

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| 1. *Hospital Management System*  |  |  |  |  |  | | --- | --- | --- | --- | --- | | * 1. *Planning*  |  | | --- | | * + 1. *Develop Work Breakdown Structure* | | * + 1. *Develop Resource plan* | | *1.1.3 Compile Project Plan* | | * + 1. *Approve Project Plan* | |      |  |  |  |  |  | | --- | --- | --- | --- | --- | | * 1. *Execution and Control*  |  | | --- | | *1.2.1 Conduct Execution Meeting* | | *1.2.2 Support Searching E-Resources* | | *1.2.3 Improve Performance* | | *1.2.4 Perform UAT* | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | | * 1. *Closeout*  |  | | --- | | *1.3.1 Conduct Closeout Meeting* | | *1.3.2 Document Lessons Learned* | | *1.3.3 Create Closeout Report* | | *1.3.4 Archive Project Artifacts* | | |

* 1. **Methodology and Design**
     1. **Phase 1: Environment Setup**

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| 1. | PHP version 8.0.12 | PHP is a general-purpose scripting language geared towards web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. |
| 2. | XAMMP | XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. |
| 3. | HTML | The HyperText Markup Language, or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets and scripting languages such as JavaScript. |
| 4. | Bootstrap | It is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components. |
| 5. | Vs Code | Vs Code is a commercial source code editor. It natively supports many programming languages and markup languages. Users can expand its functionality with plugins, typically community-built and maintained under free-software licenses. |
| 6. | MySQL | MySQL is an open-source relational database management system. Its name is a combination of "My", the name of co-founder Michael Widenius's daughter, and "SQL", the abbreviation for Structured Query Language. |

* + 1. **Phase 2: Database Creation:**

hms\_doctor

|  |  |
| --- | --- |
| *DoctorID* | *Int* |
| *DoctorLastName* | *Varchar* |
| *DoctorLastName* | *Varchar* |
| *DoctorSalary* | *Varchar* |
| *DoctorEmail* | *Varchar* |
| *DoctorBirthDate* | *Varchar* |

hms\_department

|  |  |
| --- | --- |
| *DepartmentID* | *Int* |
| *DepartmentName* | *Varchar* |

hms\_appointment

|  |  |
| --- | --- |
| *AppointmentID* | *Int* |
| *DoctorLastName* | *Varchar* |
| *DoctorLastName* | *Varchar* |
| *DepartmentID* | *Int* |
| *AppointmentDate* | *DateTime* |