**ONLINE APPOINTMENT MANAGEMENT SYSTEM**

1. **INTRODUCTION**

The Online Appointment Management System has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover, this system is designed for the particular need of the company to carryout operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user friendly.

Online appointment Management System as described above can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on record keeping. Thus it will help organization in better utilization of resources.

This is designed to assist in strategic planning, and will help you ensure that your organization is equipped with the right level of information and details for your future goals.

**1.1 Objective of the project**

The main objective of the project on online appointment manage system is to manage the details of doctor appointment patient, booking, medicine. It manages all the information about doctor. Test, medicine, doctor. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the doctor, Appointment, test, patient. It tracks all the details about the medicines.

* 1. **Functionalities provided by the project Online Appointment Management System**
* Online Appointment Management System provides the searching facilities based on various factors such as patient, doctors, tests, treatments
* It also manages details online for patient, doctors, tests, treatments
* It tracks all the information of patient, doctors, tests, treatment etc.
* It manages the information of patient
* It shows the information and description of treatments
* To increase the efficiency of managing the tests
* It deals with monitoring the information and transactions of payment
* Manage the information of booking
* Editing, adding and updating of records is improved which results in proper resource management of Online Appointment System data
* Manages the information of appointment
* Integration of all records of patient

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1. **SURVEY OF TECHNOLOGIES**

**2.1 About Microsoft.NET:**

.NET is a software framework developed by Microsoft that runs primarily on Microsoft windows. It includes a large class library named Framework Class Library and provides Language interoperability across several programming languages. Programs written for .NET framework execute in a software environment named Common Language Runtime, an application Virtual machine that provides services such as security memory management, exception handling. As such, computer code written in .NET framework is called ‘Managed Code”. Framework Class Library and Common Language Runtime together constitute the .NET framework.

.NET Framework began as proprietary software, although the firm worked to standardize the software stack almost immediately, even before its first release. Despite the standardization efforts, developers, mainly those in the free and open-source software communities, expressed their unease with the selected terms and the prospects of any free and open-source implementation, especially regarding software patents. Since then, Microsoft has changed .NET development to more closely follow a contemporary model of a community-developed software project, including issuing an update to its patent promising to address the concerns.

.NET Framework led to a family of .NET platforms targeting mobile computing, embedded devices, alternative operating systems, and web browser plug-ins. A reduced version of the framework, .NET Compact Framework, is available on Windows CE platforms, including Windows Mobile devices such as smartphones. .NET Micro Framework is targeted at very resource-constrained embedded devices. Silverlight was available as a web browserplugin. Mono is available for many operating systems and is customized into popular smartphone operating systems (Android and iOS) and game engines. .NET Core targets the Universal Windows Platform (UWP), and cross-platform and cloud computing workloads.

**2.2 About MYSQL:**

MYSQL is an open source relational database management system (RDBMS) Its name is a combination of "My", the name of co-founder Michael Widenius's daughter,[[7]](https://en.wikipedia.org/wiki/MySQL#cite_note-7) and "SQL", the abbreviation for Structured Query Language.

MySQL is free and open-source software under the terms of the GNU General Public License and is also available under a variety of proprietary licenses. MySQL was owned and sponsored by the Swedish company MySQL AB, which was bought by Sun Microsystems (now Oracle Corporation) In 2010, when Oracle acquired Sun, Widenius forked the open-source MySQL project to create MariaDB.

MySQL is a component of the LAMP web application software stack (and others), which is an acronym for Linux, Apache, MySQL, Perl/PHP/Python. MySQL is used by many database-driven web applications, including Drupal, Joomla, phpBB, and WordPress. MySQL is also used by many popular websites, including Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

MySQL is written in C and C++. Its SQL parser is written in yacc, but it uses a home-brewed lexical analyzer. MySQL works on many system platforms, including AIX, BSDi, FreeBSD, HP-UX, eComStation, i5/OS, IRIX, Linux, macOS, Microsoft Windows, NetBSD, Novell NetWare, OpenBSD, OpenSolaris, OS/2 Warp, QNX, Oracle Solaris, Symbian, SunOS, SCO OpenServer, SCO UnixWare, Sanos and Tru64. A port of MySQL to OpenVMS also exists.

The MySQL server software itself and the client libraries use dual-licensing distribution. They are offered under GPL version 2, or a proprietary license.

1. **REQUIREMENT AND ANALYSIS**

**3.1 Hardware requirements:**

Processor: Pentium III 630MHZ or more

RAM: 128MB or more

Hard disc: 20GB or more

Monitor: 15” color monitor or advance

Keyboard: Any keyboard

Mouse: Any mouse

Printer: In case of printing reports

**3.2 Software requirements:**

Operating System: Windows7/10

Browser: Google Chrome

Frontend: Microsoft .NET

Backend: MYSQL

1. **CONCLUSION**

The proposed Online Appointment System has been implemented for application development and it is developed using .NET and MYSQL. The tasks involved in this work are divided into modules. The proposed system is efficient and has friendly user interface. The admin would be able to use the app for managing the details of patients and the doctors. A payment or some amount may be charged to the users while making an appointment to avoid the unethical users. As many users only register themselves without any concerns.

**5. REFERENCES**

**Websites:**

* Google and Wikipedia for problem solving
* [www.udemy.com](http://www.udemy.com)

**Books:**

Title:Pro MYSQL

Author: Michael Kruckenberg and Jay pipes

Publisher: Apress