**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 Java:**

**Java** is a general-purpose computer-programming language that is concurrent, class -based, object-oriented, and specifically designed to have as few implementation dependencies as possible. It is intended to let application developers "write once, run anywhere" (WORA), meaning that compiled Java code can run on all platforms that support Java without the need for recompilation. Java applications are typically compiled to bytecode that can run on any Java virtual machine (JVM) regardless of computer architecture. As of 2016, Java is one of the most popular programming languages in use, particularly for client-server web applications, with a reported 9 million developers. Java was originally developed by James Gosling at Sun Microsystems (which has since been acquired by Oracle Corporation) and released in 1995 as a core component of Sun Microsystems' Java platform. The language derives much of its syntax from C and C++, but it has fewer low-level facilities than either of them.

The original and reference implementation Java compilers, virtual machines, and class libraries were originally released by Sun under proprietary licenses. As of May 2007, in compliance with the specifications of the Java Community Process, Sun relicensed most of its Java technologies under the GNU General Public License. Others have also developed alternative implementations of these Sun technologies, such as the GNU Compiler for Java (bytecode compiler), GNU Class path (standard libraries), and Iced Tea-Web (browser plugin for applets).

The latest version is Java 10, released on March 20, 2018, which follows Java 9 after only six months in line with the new release schedule. Java 8 is still supported but there will be no more

security updates for Java 9. Versions earlier than Java 8 are supported by companies on a commercial basis; e.g. by Oracle back to Java 6 as of October 2017 (while they still "highly recommend that you uninstall" pre-Java 8 from at least Windows computers)

**2.2 About Oracle:**

Oracle database is a relational database management system from the Oracle corporation. Originally developed in 1977 by Lawrence Ellision and other developers, Oracle DB is one of the most trusted and widely used relational database engines.

The system is built around a relational database framework in which data objects may be directly accessed by users through structured query language (SQL). Oracle is a fully scalable relational database architecture and is often used by global enterprises, which manage and process data across wide and local area networks. The Oracle database has its own network component to allow communications across networks.

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

Database: SQL

Browser: Google Chrome

1. **CONCLUSION**

The proposed Online Appointment System has been implemented for application development and it is developed using Java and Oracle. 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:Effective Java

Edition: 2

Author: Joshua Bloch

Publisher: Premium