VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590018, KARNATAKA

INTERNSHIP REPORT

ON

"PHARMACY MANAGEMENT STORE"

Submitted in partial fulfilment for the award of degree(18CS185)

BACHELOR OF ENGINEERING IN INFORMATION SCIENCE AND ENGINEERGING

Submitted by:

KHUTEJATUL KUBRA H N

1KI19IS025

Conducted at
COMPSOFT TECHNOLOGIES

KALPATARU INSTITUTE OF TECHNOLOGY

Department of Information Science and Engineering

(Affiliated to Visvesvaraya Technological University and Approved by AICTE, New Delhi)

Accredited by NAAC with 'A' Grade ISO 9001-2015 and 14001-2015 certified institute

Tiptur, Karnataka-572201

2022-2023

KALPATARU INSTITUTE OF TECHNOLOGY

Department of Information Science and Engineering

CERTIFICATE

This is to certify that the Internship titled **"Pharmacy Management Store"** carried out by **Khutejatul Kubra H N,** a Bonafide Student of Kalpataru Institute of Technology, in partial fulfilment for the award of **Bachelor of Engineering**, in **Information Science and Engineering** under Visvesvaraya Technological University, Belagavi, during the year 2022-2023. It is certified that all corrections/suggestions indicated have been incorporated in the report.

The project report has been approved as it satisfies the academic requirements in respect of Internship prescribed for the course Internship / Professional Practice (18CSI85).

Signature of Guide   **Signature of HOD**   **Signature of principle**

External Viva:

Name of the Examiner   Signature with Date

1)____

2)_____

DECLARATION

I, **KHUTEJATUL KUBRA H N,** final year student of Information Science and Engineering, Kalpataru Institute of Technology - 572201, declare that the Internship has been successfully completed, in **COMPSOFT TECHNOLOGIES**. This report is submitted in partial fulfilment of the requirements for award of Bachelor Degree in ISE, during the academic year 2022-2023.

Date: 5/10/2022

Place: Tiptur

USN: 1KI19IS025

NAME: Khutejatul Kubra H N

OFFER LETTER PROVIDED BY THE COMPANY

Internship Offer Letter

Date: **2nd September, 2022**

Name: **Khutejatul Kubra H N** USN: **1KI19IS025**

Dear Student,

We would like to congratulate you on being selected for the **Full Stack Web Development** Internship position with **Compsoft Technologies**, effective Start Date **2nd September, 2022**, All of us are excited about this opportunity provided to you!

This internship is viewed as being an educational opportunity for you, rather than a part-time job. As such, your internship will include training/orientation and focus primarily on learning and developing new skills and gaining a deeper understanding of concepts of **Full Stack Web Development** through hands-on application of the knowledge you learn while you train with the senior developers. You will be bound to follow the rules and regulations of the company during your internship duration.

Again, congratulations and we look forward to working with you!.

Sincerely,

Nithin K. S

Project Manager
Compsoft Technologies
No. 363, 19th main road,
1st Block Rajajinagar Bangalore -
560010

ACKNOWLEDGEMENT

This Internship is a result of accumulated guidance, direction and support of several important persons. We take this opportunity to express our gratitude to all who have helped us to complete the Internship.

We express our sincere thanks to our Principal, **Dr.G D Gurumurthy** for providing usadequate facilities to undertake this Internship.

We would like to thank our Head of Dept **Mr.Rajashekar K J**, for providing us an opportunity to carry out Internship and for his valuable guidance and support.

We express our deep and profound gratitude to our guide**, Nithin K. S** for his keen interest and encouragement at every step in completing the Internship.

We would like to thank all the faculty members of our department for the support extended during the course of Internship.

We would like to thank the non-teaching members of our dept, for helping us during the Internship.

Last but not the least, we would like to thank our parents and friends without whose constant help, the completion of Internship would have not been possible.

KHUTEJATUL KUBRA H N
1KI19IS025

ABSTRACT

The Pharmacy Management Store is a project developed to automate medical stores' activities and improve their productivity. This helps pharmacies organize, manage, and secure drug information efficiently. Its' features aids in the resolution of challenges with manual pharmacy management.

A Pharmacy Management System can also help you keep track of your drug supplies. Prescriptions are proper and supplied in precise amounts using Pharmacy Management software. It oversees and manages the pharmacy team to preserve strong working relationships and outcomes. This can also improve quality and customer satisfaction ratings, as well as keep medicines from going bad

Table of Contents

CHAPTER 1

COMPANY PROFILE

History of Compsoft Technologies

Compsoft Technologies, was incorporated with a goal. To provide high quality and optimal Technological Solutions to business requirements of our clients". Every business is a different and has a unique business model and so are the technological requirements. They understand this and hence the solutions provided to these requirements are different as well. They focus on Client's requirements and provide them with tailor made technological solutions. They also understand that Reach of their Product to its targeted market or the automation of the existing process into e-client and simple process are the key features that our clients desire from Technological Solution they are looking for and these are the features that we focus on while designing the solutions for their clients.

Sarvamoola Software Services. is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever-increasing automation requirements, Sarvamoola Software Services. specialize in ERP, Connectivity, SEO Services, Conference Management, effective webpromotion and tailor-made software products, designing solutions best suiting Client requirements.

Compsoft Technologies, strive to be the front runner in creativity and innovation in software development through their well-researched expertise and establish it as an out of the box software development company in Bangalore, India. As a software development company, they translate this software development expertise into value for their customers through their professional solutions.

They understand that the best desired output can be achieved only by understanding the clients demand better. Compsoft Technologies work with their clients and help them to define their exact solution requirement. Sometimes even they wonder that they have completely redefined their solution or new application requirement during the brainstorming session, and here they position

themselves as an IT solutions consulting group comprising of high caliber consultants.

They believe that Technology when used properly can help any business to scale and achievenew heights of success. It helps Improve its efficiency, profitability, reliability; to put it in one sentence." Technology helps you to Delight your customers" and that is what we wantto achieve.

CHAPTER 2

ABOUT THE COMPANY

Compsoft Technologies is a Technology Organization providing solutions for all web design and development, MYSQL, PYTHON Programming, HTML, CSS, ASP.NET and LINQ. Meeting the ever-increasing automation requirements, Compsoft Technologies specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting Client's requirements.

The organization where they have a right mix of professionals as a Stakeholders to help us serve our clients with best of our capability and with at par industry standards.They have young, enthusiastic, passionate and creative Professionals to develop technological innovations in the field of Mobile technologies, Web applications as well as Business and Enterprise solution. Motto of our organization is to "Collaborate with our clients to provide them with best Technological solution hence creating Good Present and Better Future for our client which will bring a cascading a positive effect in their business shape as well". Providing a Complete suite of technical solutions is not just our tag line, it is Our Vision for Our Clients and for Us, we strive hard to achieve it.

Products of Compsoft Technologies

Android Apps:

It is the process by which new applications are created for devices running the Android operating system. Applications are usually developed in Java (and/or Kotlin; or other such option) programming language using the Android software

development kit (SDK), but other development environments are also available, some such as Kotlin support the exact same Android APIs (and bytecode), while others such as Go have restricted API access.

The Android software development kit includes a comprehensive set of development tools. These include a debugger, libraries, a handset emulator based on QEMU, documentation, sample code, and zutorials. Currently supported development platforms include computers running Linux (any modern desktop Linux distribution), Mac OS X 10.5.8 or later, and Windows 7 or later. As of March 2015, the SDK is not available on Android itself, but software development is possible by using specialized Android applications.

Web Application:

It is a client–server computer program in which the client (including the user interface and client- side logic) runs in a web browser. Common web applications include web mail, online retail sales, online auctions, wikis, instant messaging services and many other functions. web applications use web documents written in a standard format such as HTML and JavaScript, which are supported by a variety of web browsers. Web applications can beconsidered as a specific variant of client–server software where the client software isdownloaded to the client machine when visiting the relevant web page, using standardprocedures such as HTTP. The Client web software updates may happen each time the web page is visited. During the session, the web browser interprets and displays the pages, andacts as the universal client for any web application. The use of web application frameworks can often reduce the number of errors in a program, both by making the code simpler, and by allowing one team to concentrate on the framework while another focuses on a specified use case. In applications which are exposed to constant hacking attempts on the Internet, security-related problems can be caused by errors in the program.

Frameworks can also promote the use of best practices such as GET after POST. There are some who view a web application as a two-tier architecture. This can be a "smart" client that performs all the work and queries a "dumb" server, or a "dumb" client that relies on a "smart" server. The client would handle the presentation tier, the server would have the database (storage tier), and the business

logic (application tier) would be on one of them or on both. While this increases the scalability of the applications and separates the display and the database, it still doesn't allow for true specialization of layers, so most applications will outgrow this model. An emerging strategy for application software companies is to provide web access to software previously distributed as local applications. Depending on the type of application, it may require the development of an entirely different browser-based interface, or merely adapting an existing application to use different presentation technology. These programs allow the user to pay a monthly or yearly fee for use of a software application without having to install it on a local hard drive. A company which follows this strategy is known as an application service provider (ASP), and ASPs are currently receiving much attention in the software industry.

Security breaches on these kinds of applications are a major concern because it can involve both enterprise information and private customer data. Protecting these assets is an important part of any web application and there are some key operational areas that must be included in the development process. This includes processes for authentication, authorization, asset handling, input, and logging and auditing. Building security into the applications from the beginning can be more effective and less disruptive in the long run.

Web Design:

It is Encompasses many different skills and disciplines in the production and maintenance of websites. The different areas of web design include web graphic design; interface design; authoring, including standardized code and proprietary software; user experience design; and search engine optimization. The term web design is normally used to describe the design process relating to the front-end (client side) design of a website including writing mark up. Web design partially overlaps web engineering in the broader scope of web development. Web designers are expected to have an awareness of usability and if their role involves creating markup then they are also expected to be up to date with web accessibility guidelines Web design partially overlaps web engineering in the broader scope of web development.

Department and Service Offered

Compsoft Technologies plays an essential role as an institute, the level of education, development of student's skills is based on their trainers. If you do not have a good mentor then you may lag in many things from others and that is why we at Compsoft Technologies gives you the facility of skilled employees so that you do not feel unsecured aboutthe academics. Personality development and academic status are some of those things which lie on mentor's hands. If you are trained well then you can do well in your future and knowing its importance of Compsoft Technologies always tries to give you the best.

They have a great team of skilled mentors who are always ready to direct their trainees in the best possible way they can and to ensure the skills of mentors we held many skills development programs as well so that each and every mentor can develop their own skills with the demands of the companies so that they can prepare a complete packaged trainee.

Service provided by Compsoft Technologies

- Core Java and Advanced Java

- Web services and development

- Dot Net Framework

- Python

- Selenium Testing

- Conference / Event Management Service

- Academic Project Guidance

- On The Job Training and Software Training

CHAPTER 3

INTRODUCTION

Introduction to Web Apps

Web applications are similar to the traditional applications you'd install on your Information, such as Microsoft Office. They are able to perform the same kinds of tasks, they look the same and they feel the same but there is one key difference - the application itself is not installed on your phone or Information, but lives in the cloud. Web apps are not new, but it used to be that they were often unable to compete with more traditional applications for business critical functions or where rich user interaction was required. This is no longer the case. With the power of modern web technologies, we are able to design and build performing, secure, and feature rich applications that live in the cloud and bring with them a huge number of benefits.

1. They can be accessed from anywhere.

Because web applications are built with web technologies and they run in a web browser Internet Explorer, Google Chrome, Mozilla Firefox – this allows them to be accessed from every web enabled tool. As long as you have an internet connection you can use them

It allows for remote working, it allows for rapid publishing of content, it allows for real time collaboration between teams. If you have web access, you have the ability to access your business tools.

2. They are cost effective.

Web applications are cheaper to produce and maintain than traditional applications. No matter how many platforms your business uses (Mac, Linux, Windows) web application build can be used across them all.

3. They benefit from more rapid update cycles.

A huge benefit of web applications is that when an update is released, all of your users are immediately using that version. This doesn't happen with installed applications, especially in large organizations with IT policies that restrict administrator access.

4. They are secure.

- Web developers have had to become experts in security – the web is a platform designed to share everything with everyone! As such, the types and levels of security included in web applications are often far greater than those seen in traditional applications.
- They also benefit from the ability to launch updates in real-time – the application on the servers is the application people are using. The applications on people's laptops however is the version last installed. And when those laptops get left on a train it's not a concern, as nothing is stored locally.

5. They enable more computing with fewer Information.

- Web applications push all of the hard work to the servers, and act as intermediaries between the user interface and the calculations happening behind the scenes. This means you can accomplish terrifyingly complex work on a tablet, or your phone.

- We've built web applications that allow people to understand the complex relationships between 250,000 pieces of art on their phones, and applications that run the business systems of one of the largest solar energy providers in the world. Often these products are not financially viable to build using traditional application processes.

Problem Statement

Develop an application which facilitates creation of web pages having a need to install any HTML editor based software and also which can be used by any novice user (no HTML knowledge needed) that is developing web pages on the online. This module is designed to reduce the process involved in managing the activity of customers and business where the business can sell their services and the customers can buy those.

Introduction to B2C Ecommerce Website Development with Admin Panel

B2C E-commerce website content providers to focus on creating effective assessment questions and focusing on providing a platform for easy access between Buyer and Consumer.

Here we present techniques that are pertinent to the elements of assessment process: answers submission, Informationized grading, and feedback after submission. As the modern organizations are automated and Informations are working as per the instructions, it becomes essential for the coordination of human beings, commodity and Informations in a modern

organization.

CHAPTER 4

SYSTEM ANALYSIS

Whenever any investor starts to analyse any pharmaceutical company, then the first thing she should attempt to know is what segment of the industry it operates in. There are different divisions of the pharmaceutical industry, which are primarily based on the place a company occupies in the supply chain.

It becomes important to know the segment of the company because; different segments of the pharmaceutical industry have different business characteristics and face different challenges.

1) Bulk drugs/active pharmaceutical ingredient (API) manufacturers: These companies make drugs as bulk chemicals and operate at the basic step in the pharmaceutical supply chain. For example, in the case of manufacturing Paracetamol, these companies make tons of pure Paracetamol and provide it to other companies (formulations manufacturing companies) for further processing.

2) Formulations manufacturing companies: These companies buy pure drug chemicals from bulk drug/API manufacturers and then convert them into tablets, injections, syrups etc. These companies make the pure chemicals into final drugs, which are ready for human consumption. Formulation manufacturing companies may sell the drugs in the market under their own brand names.
The formulation manufacturing segment is further divided into companies that do research and invent/discover new drugs themselves and sell these patented drugs (called innovator companies) and those companies that sell drugs invented by others, whose patents are expired (called generic companies).

3) Contract research and manufacturing services (CRAMS): These are companies who provide research services to innovator companies in their new-drug development programs and also provide contract manufacturing services where the innovator company shares the technology with them and then CRAMS companies manufacture the drug by putting the brand labels of the innovator company. Thereafter, the innovator company acts as a marketing agency that sells these drugs under its own brand using its sales and distribution channel.

4) Pharmaceutical distributors: These are the companies, which take the final drug from the formulation manufacturing company to the consumers. These include clearing and forwarding agents (C&F agents), CIF (cost, insurance, and freight) agents, super-stockists, stockists, sub-stockists and retailers.

Understanding the place of any company in the pharmaceutical supply chain is important because companies in each of the above-mentioned segments face different business dynamics. For example, API and contract manufacturers may act like commodity chemical manufacturing companies with efficient low-cost manufacturing becoming their main strength. On the contrary, formulation manufacturing companies act as "brands" where sales, marketing, advertising, and acquiring customer mind space become key determining factors.

In real-life situations, an investor would find companies that are pure API manufacturers, pure formulations manufacturers or pure CRAMS players. However, she would also find players who have integrated operations i.e. Formulation companies who manufacture APIs as well and do CRAMS for other players as well etc.

CHAPTER 5

REQUIREMENT ANALYSIS

Software Requirements:

Software Requirements deal with defining software resource requirements and pre-requisites that need to
be installed on a computer to provide optimal functioning of an application. These requirements or prerequisites are generally not included in the software installation package and need to be installed separately
before the software installation package and need to be installed separately before the software is installed.

• Operating system: Windows 10
• Visual Studio Code
• Notepad ++
• Google Chrome, Microsoft Edge

Hardware Requirements:

The most common set of requirements defined by any operating system or software application is the
physical computer resources, also known as hardware. A hardware requirements list is often accompanied
by a hardware compatibility and sometimes incompatible hardware devices for a particular operating
system or application. The following sub-sections discuss the various aspects of hardware requirements.

• Processor: Intel core i3
• RAM: 8GB
• Hard disk: 1TB

CHAPTER 6

DESIGN ANALYSIS

We have implemented this Online Strength Training center by the Visual Studio code and as well as Notepad++

Visual Studio Code:

Visual Studio Code is a source-code editor that can be used with the variety of programming languages. Including Java, JavaScript, Go, Node.js, Python, C++, C, Rust and Fortran. It is based on the Electron Framework. Which is used to develop Node js Web applications that run on the Blink layout engine? Visual Studio Code employs the same editor component used in Azure Develops Out of the box; Visual Studio Code includes basic support for most common programming languages. This basic support includes syntax highlighting, bracket matching, code folding, and configurable snippets. Visual Studio Code also ships with intelligence for JavaScript, TypeScript, JSON, CSS, and HTML, as well as Debugging support for Node.js. Support for additional languages can be provided freely available extensions On the VS Code Marketplace.

Notepad ++ :

Notepad is a generic text editor included with all versions of Microsoft windows that lets you create, open, and read plain text file with a .txt file extension. If the file contains special formatting or is not a plaintext file, it cannot be read in Notepad**.**

Notepad++ has a very active community behind it and is thus available in a multitude of languages. Once on your hard drive, the editor only takes up about 4MB.

CHAPTER 7

IMPLEMENTATION

Implementation is the stage where the theoretical design is turned into a working system. The most crucial stage in achieving a new successful system and in giving confidence on the new system for the users that it will work efficiently and effectively.

The system can be implemented only after thorough testing is done and if it is found to work according to the specification. It involves careful planning, investigation of the current system and it constraints on implementation, design of methods to achieve the change over and an evaluation of change over methods a part from planning.

Two major tasks of preparing the implementation are education and training of the users and testing of the system. The more complex the system being implemented, the more involved will be the system analysis and design effort required just for implementation.

The implementation phase comprises of several activities. The required hardware and software acquisition is carried out. The system may require some software to be developed. For this, programs are written and tested. The user then changes over to his new fully tested system and the old system is discontinued.
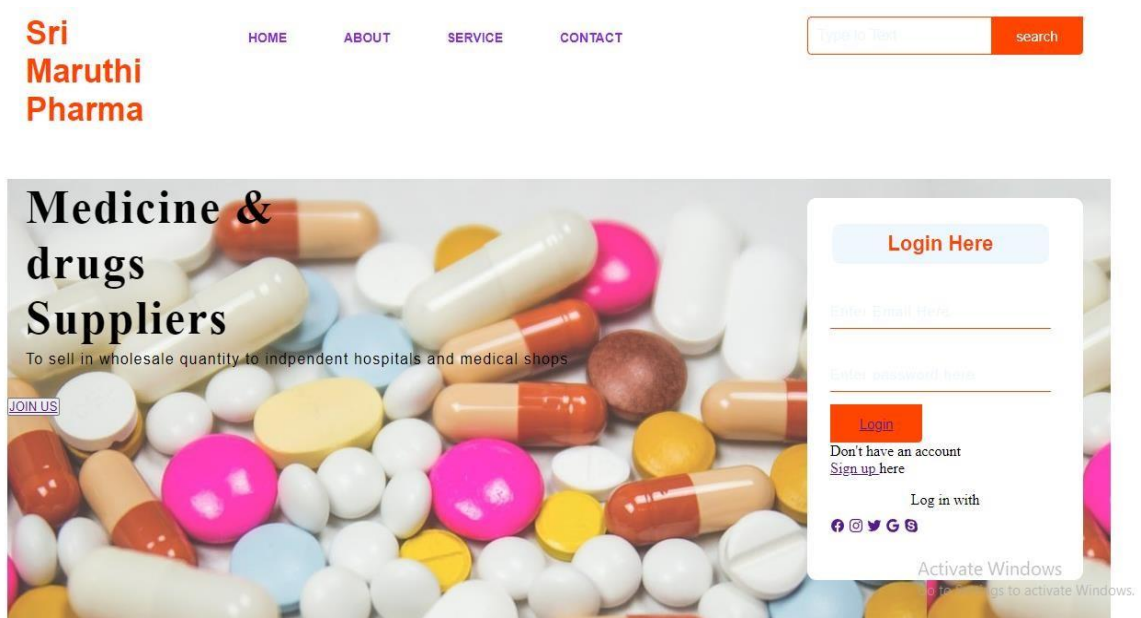
TESTING

The testing phase is an important part of software development. It is the Information zed system will help in automate process of finding errors and missing operations and also a complete verification to determine whether the objectives are met and the user requirements are satisfied. Software testing is carried out in three steps:

1. The first includes unit testing, where in each module is tested to provide its correctness, validity and also determine any missing operations and to verify whether the objectives have been met. Errors are noted down and corrected immediately.

2. Unit testing is the important and major part of the project. So errors are rectified easily in particular module and program clarity is increased. In this project entire system is divided into several modules and is developed individually. So unit testing is conducted to individual modules.

3. The second step includes Integration testing. It need not be the case, the software whose modules when run individually and showing perfect results, will also show perfect results when run as a whole.

CHAPTER 8

SNAPSHOTS

CHAPTER 10

CONCLUSION

The package was designed in such a way that future modifications can be done easily. The following conclusions can be deduced from the development of the project:

- ❖ Automation of the entire system improves the efficiency

- ❖ It provides a friendly graphical user interface which proves to be better when compared to the existing system.

- ❖ It gives appropriate access to the authorized users depending on their permissions.

- ❖ It effectively overcomes the delay in communications.

- ❖ Updating of information becomes so easier

- ❖ System security, data security and reliability are the striking features.

- ❖ The System has adequate scope for modification in future if it is necessary.

CHAPTER 10

REFERENCES

☐https://www.w3schools.com

☐ https://www.takeiteasyengineers.com

☐ https://www.geeksforgeeks.org