

VISVESVARAYA TECHNOLOGICAL UNIVERSITY



BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

“TEMPLATE FOR PHARMACEUTICAL COMPANY”

Submitted in partial fulfilment for the award of degree(18CSI85)

BACHELOR OF ENGINEERING IN COMPUTER SCIENCE

Submitted by:

I AMALI AKSHAYA

1RR1919CS050



Conducted at

COMPSOFT TECHNOLOGIES



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**RAJARAJESWARI COLLEGE OF ENGINEERING
MYSORE ROAD, BANGALORE-560074**

**(An ISO 9001:2008 Certified Institute)
(2021-22)**

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(An ISO 9001:2008 Certified Institute)

(Affiliated to Visvesvaraya Technological University, Belgaum)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING



CERTIFICATE

This is to certify that the Internship titled “**Template for Pharmaceutical Company**” carried out by **MS. I.AMALI AKSHAYA**, a bonfire student of RajaRajeswari college of engineering, in partial fulfillment for the award of **Bachelor of Engineering**, in **COMPUTER SCIENCE** 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 Principal

External Viva:

Name of the Examiner

Signature with Date

1)_____

2)_____

D E C L A R A T I O N

I, **AMALI AKSHAYA** final year student of Computer Science and Engineering, RajaRajeswari college of Engineering –560074, declare that the Internship has been successfully completed, in **COMPSOFT TECHNOLOGIES**. This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Computer Science Engineering, during the academic year 2022-2023.

Date :05/10/2022

:

Place: Bengaluru

USN: 1RR19CS050

NAME: I. AMALI AKSHAYA



Date: **2nd September, 2022**

Name: **I Amali Akshaya**
USN: **1RR19CS050**

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

On successful completion of my project, I would like to place on record my sincere thanks and gratitude to the concerned people, whose suggestions and words of encouragement have been valuable.

I express my heartfelt gratitude to RajaRajeswari College of Engineering, for giving us the opportunity to pursue a Degree of Computer Science Engineering and helping us to shape our career.

I take this opportunity to thank **Dr.A.C. Shanmugam, Chairman, RRCE**, and **Dr. T Chandrashekar, Principal, RRCE** for their support and encouragement to pursue this project.

I would like to thank my parents and all my friends who gave me a constant source of inspiration and supported me in development of this project

I AMALI AKSHYA(1RR19CS050)

ABSTRACT

Simple Pharmacy Management System project is written in Python. The project file contains a python script (project.py) and database files. This is a simple GUI based project which is very easy to understand and use.

Talking about the system, it contains all the basic functions which include adding, viewing, deleting and updating items. In order to add a medicine detail, the user has to provide its name, price, quantity, category, and discount.

This simple GUI based Pharmacy Management system provides the simplest management of medicine items. In short, this projects mainly focus on CRUD. There's an external database connection file used in this mini project to save user's data permanently.

TEAM MEMBERS:

JANEESH H – 4VM19CS023

I AMALI AKSHAYA – 1RR19CS050

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CHAPTER 1
COMPANY PROFILE

1. COMPANY PROFILE

A Brief History of ICSoln Technologies

ICSoln 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 clients’ 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.

ICSoln 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, ICSoln Technologies. specialize in ERP, Connectivity, SEO Services, Conference Management, effective web promotion and tailor-made software products, designing solutions best suiting client’s requirements.

ICSoln 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. ICSoln 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 achieve new 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 want to achieve.

CHAPTER 2
ABOUT THE COMPANY

2. ABOUT THE COMPANY

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CHAPTER 3
INTRODUCTION

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, Information zed grading, and feedback after submission. As the modern organizations are automated and Information’s are working as per the instructions, it becomes essential for the coordination of human beings, commodity and information in a modern organization.

CHAPTER 4
SYSTEM ANALYSIS

4. SYSTEM ANALYSIS

1. Existing System

This existing system does not properly manage all users' profiles and secure registration. This system does not provide on-line support. This system does not track users' activities and progress. This manual system gives us very little security for saving data, and some data may be lost due to mismanagement. This system does not provide proper event information

2. Proposed System

The Proposed System consists of the following actions, which attempt to automate the entire process while keeping in mind the database integration method. Employees' personal, address, and contact information are kept in this system.

This method will allow you to seek and get support on the internet. The program is user-friendly, with a variety of controls supplied by the system's sophisticated user interface. Only registered users can use this application since it requires authentication. The system can maintain a centralized database that contains event information files. allows staff to keep track of the happenings in a methodical manner.

3. Objective of the System

The project's objective is to create a system that successfully handles all of the data connected to the many events that occur in a company's operations. The goal is to keep track of all information linked to events in one place. The purpose is to provide support for a variety of data management activities and procedures.

CHAPTER 5
REQUIREMENT ANALYSIS

5. REQUIREMENT ANALYSIS

Hardware Requirement Specification

- Notepad++ Editor
- Processor: Intel core i5 processer
- Memory: 15.6 GB
- Hard Disk: 40 GB

Software Requirement Specification

PLATFORM	: VISUAL STUDIO
Programing languages	: PYTHON
Front end design	: HTML, CSS, JAVASCRIPT

Non-Functional Requirements

- *Availability*

The online registration system shall permit backing up of the registration database while other registration activities are going on.

- *Accessibility*

The system shall be accessible by people with specific vision needs to the extent that a user shall be able to display whole user interface in a larger font without truncating displayed text or other values.

- *Security*

The access permissions for system data may only be changed by the system's data administrator. Passwords shall never be viewable at the point of entry or any other time.

CHAPTER 6

DESIGN AND ANALYSIS

6. DESIGN & ANALYSIS

4.1 System Development life cycle

Systems Development Life Cycle (SDLC) is the most common process adopted to develop a project and not surprisingly, this project is following this model too. To be precise, waterfall model is being applied. Waterfall model is a sequential model process where the input of a phase actually results from the previous phase.

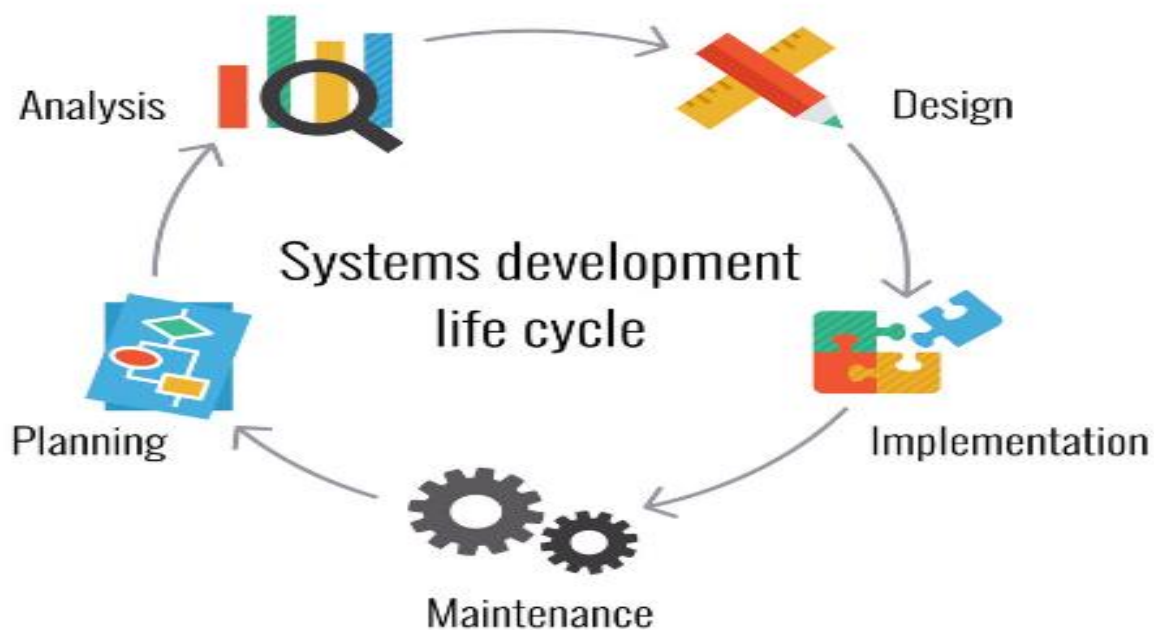


Figure 4.1: SDLC Phases

There are five phases in this model and the first phase is the planning stage. The planning stage determines the objectives of the project and whether the project should be given the green light to proceed. This is where the proposal submission comes into picture. After obtaining the approval, the next phase is analysis. Gathering and analyzing the system and user requirements is essential for entry to the design step.

With the user requirements gathering completed, there is a need to prepare the resources for the project. Be it software or hardware components, careful consideration and selection is to be taken care at this stage. The decision on the appropriate resources to be used is further elaborated under the subsections below. The next step is to design the system and database structure

Results from the analysis and preparation that were concluded from the previous stage are put into action. With the user requirements in mind, the flow of the system is planned and the user interface is designed to suit their easy navigation needs. In addition, the number of tables, attributes, primary and unique keys of the database is listed.

After completing the design, actual coding begins. Database is created and codes are written. Some of the codes required amendments and improvement to it so these are being developed at this fourth stage of the waterfall model. With the development completed, testing will begin. The codes and database are tested to ensure the results obtained are as intended. More time is spent on both development and testing stages because it is inevitable to have errors and issues and buffer time is allocated for troubleshooting.

4.5 Front End using HTML, CSS

The Front-End used in this project is HTML along with the CSS language.

HTML is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language.
- HTML describes the structure of Web pages using markup.
- HTML elements are the building blocks of HTML pages.
- HTML elements are represented by tags.
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on. Browsers do not display the HTML tags, but use them to render the content of the page.

Advantages of HTML:

1. The first advantage it is widely used.
2. Every browser supports HTML language.
3. Easy to learn and use.
4. It is by default in every window so you don't need to purchase extra software.
5. You can integrate HTML with CSS, JavaScript, php etc.

CHAPTER 7
IMPLEMENTATION

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 its constraints on implementation, design of methods to achieve the changeover and an evaluation of change over methods as 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

Simple Pharmacy Management System

PHARMACY MANAGEMENT SYSTEM

ENTER ITEM NAME	<input type="text"/>	ADD ITEM	DELETE ITEM
ENTER ITEM PRICE	<input type="text"/>	VIEW FIRST ITEM	VIEW NEXT ITEM
ENTER ITEM QUANTITY	<input type="text"/>	VIEW PREVIOUS ITEM	VIEW LAST ITEM
ENTER ITEM CATEGORY	<input type="text"/>	UPDATE ITEM	SEARCH ITEM
ENTER ITEM DISCOUNT	<input type="text"/>		CLEAR SCREEN

description 1.1. simple pharamacy managment system

Simple Pharmacy Managment System

PHARMACY MANAGEMENT SYSTEM

ENTER ITEM NAME	black current	ADD ITEM	DELETE ITEM
ENTER ITEM PRICE	600	VIEW FIRST ITEM	VIEW NEXT ITEM
ENTER ITEM QUANTITY	25	VIEW PREVIOUS ITEM	VIEW LAST ITEM
ENTER ITEM CATEGORY	body	UPDATE ITEM	SEARCH ITEM
ENTER ITEM DISCOUNT	25%	CLEAR SCREEN	

1.2. Adding the item and then clicking onto the ADD ITEM and then the data gets stored

Simple Pharmacy Managment System

PHARMACY MANAGEMENT SYSTEM

ENTER ITEM NAME	demo	ADD ITEM	DELETE ITEM
ENTER ITEM PRICE	560	VIEW FIRST ITEM	VIEW NEXT ITEM
ENTER ITEM QUANTITY	5	VIEW PREVIOUS ITEM	VIEW LAST ITEM
ENTER ITEM CATEGORY	demo	UPDATE ITEM	SEARCH ITEM
ENTER ITEM DISCOUNT	2		CLEAR SCREEN

1.3. this is the display of the FIRST ITEM added,it can be viewed by VIEW FIRST ITEM

CHAPTER 9
CONCLUSION

8. CONCLUSION

The “Template of pharmaceutical company website” was built and tested to ensure that it is both accurate and reliable. We have met all of the project’s goals, and it fulfills the organization’s requirements over the course of the project. For the requested information, the developed will be employed in finding, retrieving, and creating it.

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

9. REFERENCES

It has been a matter of immense pleasure, honor and challenge to have this opportunity to take up this project and complete it successfully. We have obtained information from various resources to design and implement our project. We have acquired most of the knowledge from the Internet.

The following are some of the resources:

- www.w3schools.com
- www.tutorialspoint.com
- Google and YouTube Tutorials

