VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI – 590018, Karnataka

INTERNSHIP REPORT

ON

" Restaurant Management System "

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

BACHELOR OF ENGINEERING
IN
Computer science and Engineering

Submitted by:

ASHWATH PARASAPPA MASHYALAKAR
(1CD19CS026)

Conducted at
VARCONS TECHNOLOGIES

CAMBRIDGE INSTITUTE OF TECHNOLOGY
Department of Computer science and Engineering
Accredited by NBA, New Delhi
Kr Puram, Bengaluru-560036

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CERTIFICATE

This is to certify that the Internship titled **"Restaurant Management System"** carried out by **Mr. Ashwath Parasappa Mashyalakar** bearing **USN 1CD19CS026** respectively, a bonafide students of **Cambridge Institute of Technology**, in partial fulfillment for the award of **Bachelor of Engineering**, in **Computer 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 Principal**

External Viva:

Name of the Examiner   Signature with Date

1)_____

_____

2)_____

_____

D E C L A R A T I O N

I, **Ashwath Parasappa Mashyalakar** , final year student of Computer Science dept, Cambridge Institute of Technology - 560036, declare that the Internship has been successfully completed, in **Varcons Technologies** This report is submitted in partial fulfillment of the requirements for award of Bachelor Degree in Computer Science dept, during the academic year 2022-2023.

Date :07/12/2022   :

Place : Bengaluru

NAME Ashwath Parasappa Mashyalakar
USN : 1CD19CS026

OFFER LETTER PROVIDED BY THE COMPANY

A C K N O W L E D G E M E N T

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, for providing us adequate facilities to undertake this Internship.

We would like to thank our Head of Dept – branch code, for providing us an opportunity to carry out Internship and for his valuable guidance and support.

We would like to thank our (Lab assistant name) Software Services for guiding us during the period of internship.

We express our deep and profound gratitude to our guide, Guide name, Assistant/Associate Prof, for her 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.

Ashwath Parasappa Mashyalakar
USN : 1CD19CS026

ABSTRACT

Web design is a complex subject. Designers and developers have to consider both visual appearance (how the website looks) and functional design (how the website works). With so many things that you need to take into account, the process of design can be tricky. It' a ready-to-use layout pack that ensures quick and easy fitness website creation. Each website template includes a pre-styled design, typography elements, icon fonts, numerous features, and detailed documentation. They are easy to install and customize even with no coding skills.

With the help of an intuitive admin panel, you can adjust all the design elements to the project' preferences.

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CHAPTER 1

COMPANY PROFILE

1. <u>COMPANY PROFILE</u>

A Brief History of VARCONS TECHNOLOGIES

Varcons Technologies is a leading provider of cutting-edge technologies and services, offering scalable solutions for businesses of all sizes. Founded by a group of friends who started by scribbling their ideas on a piece of paper, today we offer smart, innovative services to dozens of clients. We develop SaaS products, provide Corporate Seminars, Industrial trainings and much more

CHAPTER 2

ABOUT THE COMPANY

2. <u>ABOUT THE COMPANY</u>

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Products of Varcons Technologies.

Websites as Software

We develop websites that behave and interact similar to Sophisticated software.Information+Functionality=WaaS.

Analytics and Research

Let us analyse the way your users/customers interact with you/your business by gathering, studying, and understanding the consumer voice and their perception of the product/service togenerate a report to help you make better market decisions

Comprehensive Customer Support

With a comprehensive range of services, We can guarantee your technology needs are not just met, but exceeded. We shall work with your Customers/users closely to understand the way yourusers/customers use make use of Products/Services

Smart automation tools

We create API's and tools that help you automate any process with a host of features pertaining tothe Device.

At VCT, We make sure every product/service that we offer is built keeping in mind the practical usabilityof the product/Service, We're a startup focused on Creativity and Customizability, and We also provide subscription models for Software that we have already built, Since the application is already configured, the user has a ready-to-use application. This not only reduces installation and configuration time but also cuts down the time wasted on potential glitches linked to software deployment

Departments and services offered

VCA provides a host of services to its customers/users/clients, Enabling business success driven by technology Harnessing the power of technology, we create a measurable difference for our clients across various industries & multiple geographies.

Services provided by Compsoft Technologies.

• Website as Software

• Branding and Design

• Search Engine Optimisation

• Comprehensive Customer Support

• Branding and Design

• Analytics and Research

• Embedded Systems and IOT

CHAPTER 3

INTRODUCTION

3. <u>INTRODUCTION</u>

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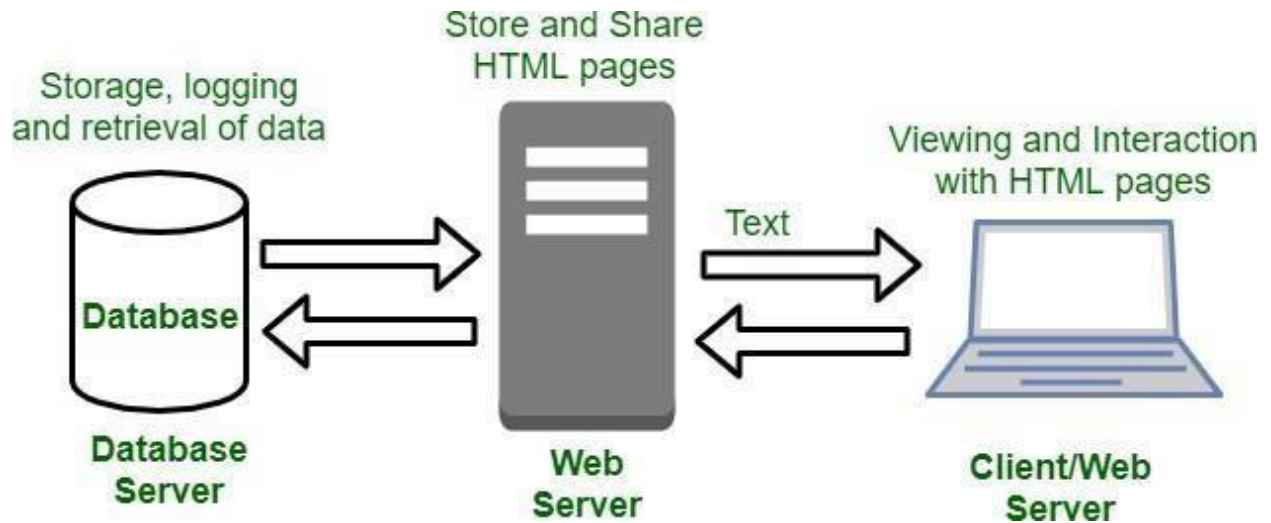
Here we present techniques that are pertinent to the elements of assessment process: answers submission, Informationized grading, and feedback after submission. As the modern organizations are automated and Informations are working as per the instructions, it becomes essential for the coordination of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

organization.

CHAPTER 4

SYSTEM ANALYSIS

4. <u>SYSTEM ANALYSIS</u>

1. Existing System :

2. Proposed System : The signup page launches initially when the project is run . The user can create a login entry by providing basic details with the help of authentication facilities a user is identified uniquely through his username and password. Later one can use various features like calorie intake ,day wise workout list and also achievements and goals can be noted.

3. Objective of the System : Allow a one to one communication which is personal to each user.

CHAPTER 5

REQUIREMENT ANALYSIS

5. <u>REQUIREMENT ANALYSIS</u>

Hardware Requirement Specification

- MySQL

- NODE JS

- Notepad++ Editor

- Processor: Intel core i5 processer

- Memory: 15.6 GB

- Hard Disk: 40 GB

Software Requirement Specification

A] Functional Requirements
- o   Ubuntu 10 and above or Windows 8 or above
- o   PHP • Visual Studio Code
- o   Xampp
- O   MySQL

B] Non-Functional Requirements

- **Availability**

The online registration system shall permit backing up of the registration database while other registration actives 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.
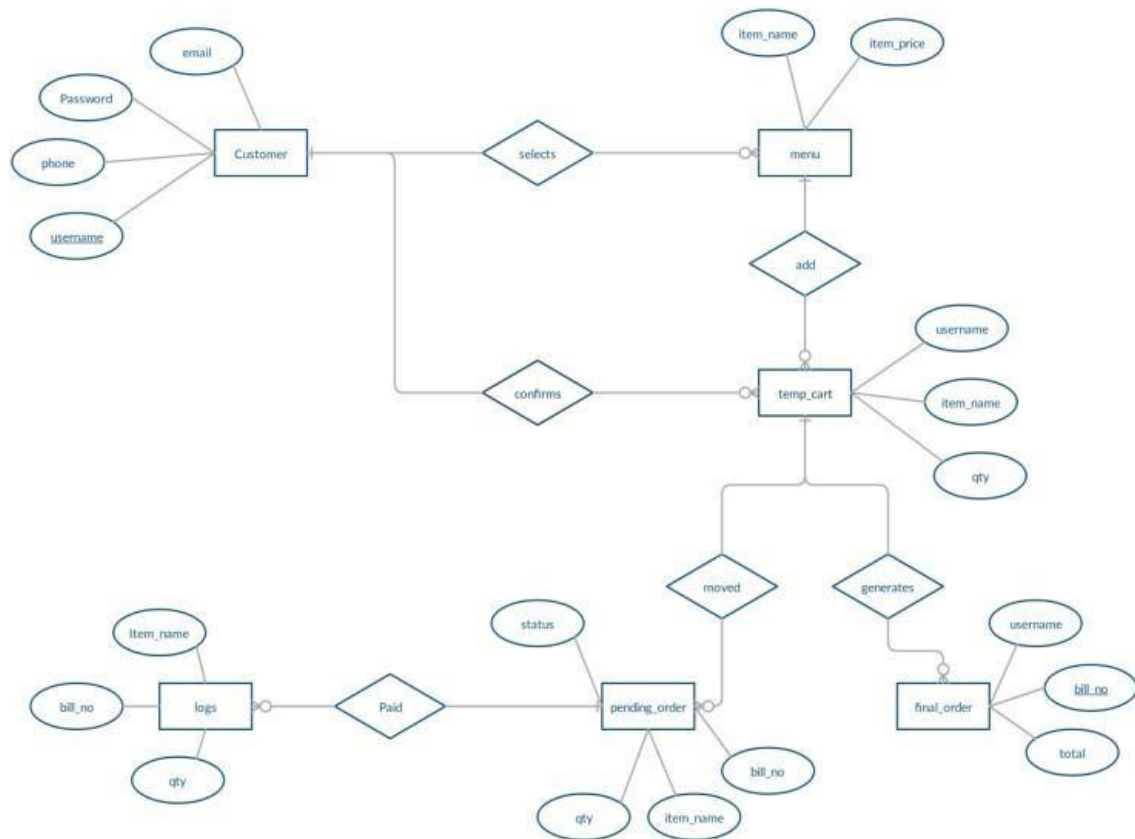
- **Security**

The access permissions for system data may only be change by the systems data administrator passwords shall never be viewable at the point of entry or any other time.

CHAPTER 6

DESIGN ANALYSIS

6. <u>DESIGN & ANALYSIS</u>

Fig 6.1: ER diagram

CHAPTER 7

IMPLEMENTATION

7. <u>IMPLEMENTATION</u>

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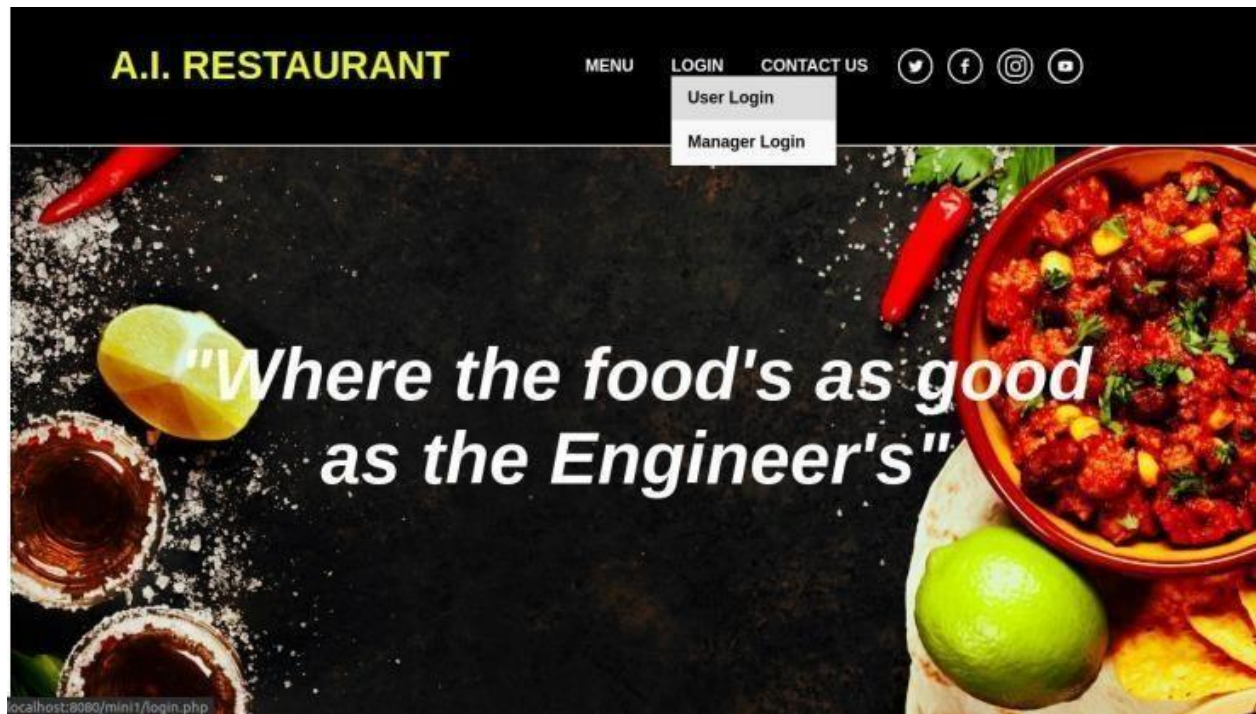
1. The first includes unit testing, where in each module is tested to provide its correctness, validity and also determine any missing operations and to verify whether the objectives have been met. Errors are noted down and corrected immediately.

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.
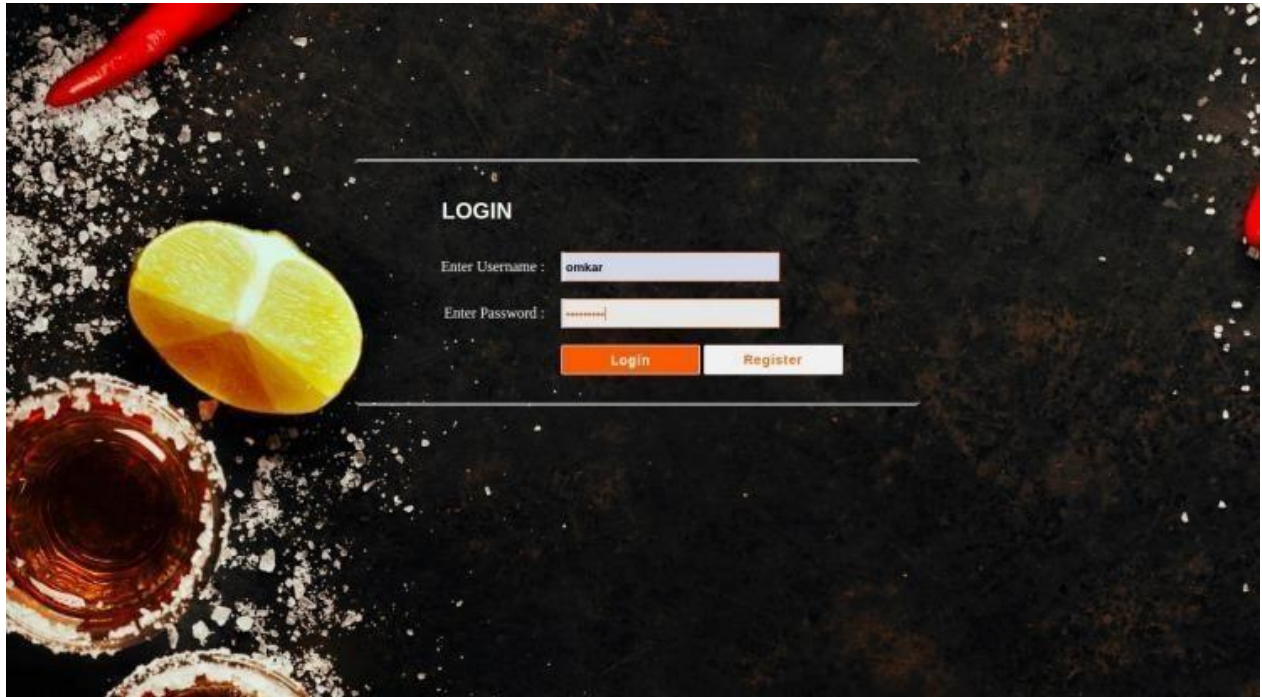
CHAPTER 8

SNAPSHOTS

8. <u>SNAPSHOTS</u>

Fig 8.1: Home Page

Fig 8.2: Login Page

CHAPTER 9

CONCLUTION

9. <u>CONCLUTION</u>

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.

10. <u>REFERENCE</u>

- www.w3schools.com
- www.stackoverflow.com
- PHP & MySQL by Mike McGrath
- MySQL The Complete Reference by Vikram Vaswan