

# **TRAINING IN PHP WITH SQL AND DATA STRUCTURE**

## **A PROJECT REPORT**

*Submitted by*

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**190163116001**

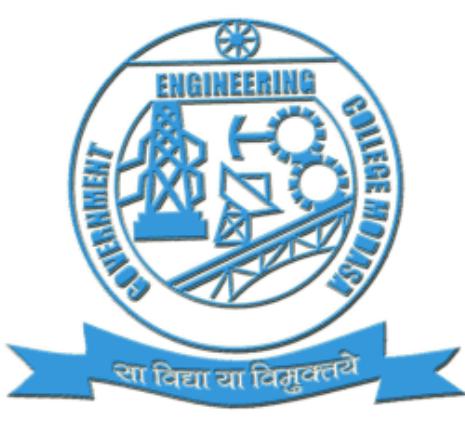
*In partial fulfilment for the award of the degree of*

**BACHELOR OF ENGINEERING**

*In*

**Information Technology**

**Government Engineering College, Modasa**



**Gujarat Technological University, Ahmedabad**

**April – 2022**



## Government Engineering College Modasa

### CERTIFICATE

This is to certify that the project report submitted along with the project entitled **Internship** has been carried out by **Bhatt Nisarg Vijaykumar (190163116001)** under my guidance in partial fulfilment for the degree of Bachelor of Engineering in Information Technology Engineering, 8<sup>th</sup> Semester of Gujarat Technological University, Ahmadabad during the academic year 2021-22.

**Prof. Minal V. Chauhan**

Internal Guide

**Prof. Minubhai B. Chaudhary**

Head of the Department

Date: 19<sup>th</sup> April, 2022

### **Certificate of completion**

This is to certify that **Mr. Nisarg Bhatt** a student of **Government Engineering College, Modasa** is doing internship in the field of **PHP** from 3<sup>rd</sup> January 2022 to till date under the guidance of Mr. Harishchandra Varma.

His internship activities include CSS3, HTML5, Object Oriented programming, SQL, MVC Architecture.

During this period his performance was found satisfactory and we wish him all the best for future endeavours.

We wish him every success in his career

Thanks & Regards



A handwritten signature in blue ink that appears to read "Harishchandra".

Harishchandra Varma  
Project Manager  
Cybercom Creation



## Government Engineering College Modasa

### DECLARATION

I hereby declare that the Internship report submitted along with the Internship entitled **Training in PHP with Sql and Data Structure** submitted in partial fulfilment for the degree of Bachelor of Engineering in Information Technology Engineering to Gujarat Technological University, Ahmedabad, is a bonafide record of original project work carried out by me at Cybercom Creation under the supervision of Mr. Harishchandra Varma / Prof. Minal Chauhan and that no part of this report has been directly copied from any student's reports or taken from any other source, without providing due reference.

Name of the Student

1      Bhatt Nisarg Vijaykumar

Sign of Student

## ACKNOWLEDGEMENT

I wish to express our sincere gratitude to our External guide **Mr. Harishchandra Varma** sir for continuously guiding me at the company and answering all my doubts with patience. I also would like to express my special thanks of gratitude to my mentor **Prof. Minal V. Chauhan** as well as our head of department **Prof. Minubhai B. Chaudhary** who gave me the golden opportunity to do internship, which also helped me in doing a lot of research and I came to know about so many new things. I am really thankful to them.

Moreover, I would also like to thanks my parents and friends who helped me a lot in finalizing this project within the limited time frame.

Thanking

Bhatt Nisarg Vijaykumar

190163116001

## ABSTRACT

*The E-Commerce platform is playing an important role in some areas, its activities are a subset of e-business activities. The aim of this paper is to build and develop a reliable website based on the e-commerce theories, developing effective well designed web pages. This website will sell computer products include (hardware and software). For implement the selling online website, it needs to use current technologies to achieve this goal. As a first stage, it should setting up online e-commerce store with easy-to-use. Then improve the customer experience, and lastly implement the direct online sale between business to consumer by implement electronic payment methods. All these techniques should be based on deliberated plan according to strategy of electronic commerce with implement the current technology to ensure a good revenue to the company.*

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## LIST OF ABBREVIATIONS

<b>HTML</b>	: Hypertext Markup Language
<b>CSS</b>	: Cascading Style Sheets
<b>SQL</b>	: Structured Query Language
<b>GIT</b>	: Glass and Instrument Technology
<b>MySql</b>	: My Structured Query Language
<b>PHP</b>	: Hypertext Pre-processor
<b>IT</b>	: Information Technology
<b>B2B</b>	: Business to Business
<b>B2C</b>	: Business to Consumer
<b>API</b>	: Application Programming Interface
<b>CMS</b>	: Content Management System
<b>CRM</b>	: Customer Relationship Management
<b>CV</b>	: Curriculum Vitae
<b>MVC</b>	: Model-View-Controller
<b>MVVM</b>	: Model-View-View-Model
<b>ORM</b>	: Object-Relational Mapping
<b>IDE</b>	: Integrated Development Environment
<b>GUI</b>	: Graphical User Interface

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## 1. OVERVIEW OF THE COMPANY

### 1.1 HISTORY

Cybercom Creation was commenced by an enterprising team of professionals with a strong focus on providing services and solutions. Today Cybercom has grown its team of dedicated specialists to more than 150+ employees.

With over 20 years of experience and 190+ employees on board, Cybercom serves start-ups to well-established companies globally. Over the years, we have succeeded in assembling a dedicated team of experts having extensive experience in various industry verticals. We stick to the latest industry trends and quality standards to deliver powerful and secure software that fits business requirements perfectly and brings a positive user experience. We have been delivering effective digital solutions with the use of innovative technologies, result-driven project management, and seamless communication. With our state-of-the-art facilities, high-tech IT infrastructure, dynamic team & superb work environment, Cybercom becomes an ideal IT partner for offshore software services as well as web & mobile app development projects.

We are an elite squad of digital commerce and have established a reputation for always bringing excellence to the table for every project. Bring to us your most intricate business challenges, and we will turn them into real digital commerce breakthroughs. Our team of certified developers can effortlessly execute the most complex integrations and help you develop rapidly growing, high-earning, and customer-centric eCommerce solutions. Developing new capabilities and responding to the technology needs of tomorrow, Our team lives, breathes, and dreams about technology. The diversity, commitment, and expertise of our team working cohesively with our clients, and partners, inspire our vision: to be a global leader in IT solutions and services.

## 1.2 SCOPE OF WORK

- Consulting
- Design
- Development
- Data
- Management

## 1.3 ORGANIZATION CHART

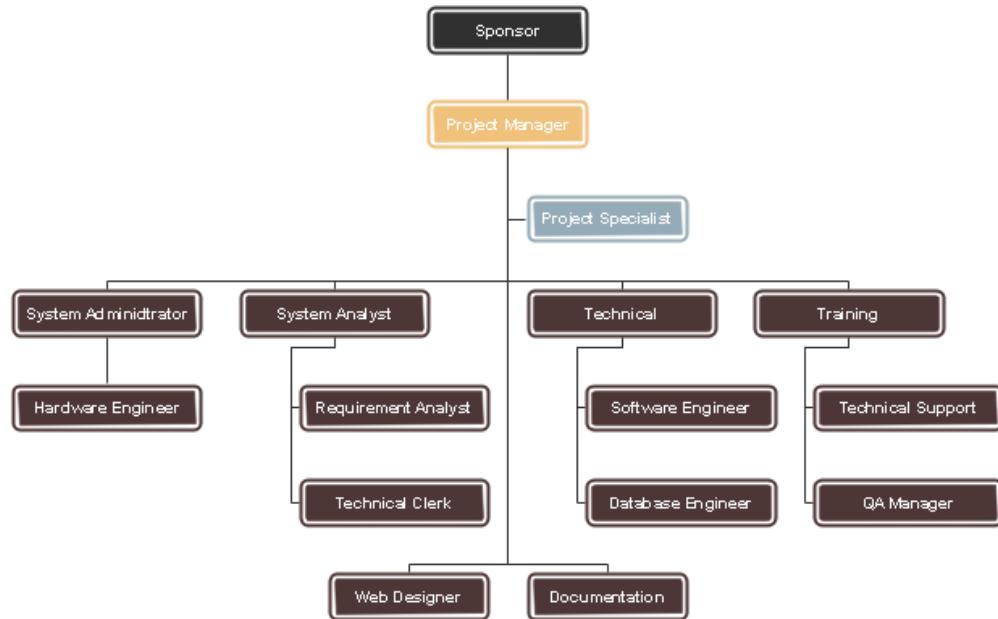


Fig. 1.1 Organization Chart

## 1.4 CAPACITY OF PLANT

Company has More than 200+ employees who working on live projects, and company has 30+ trainees who are train under the different industry supervisor.

## **2. OVERVIEW OF DIFFERENT DEPARTMENT**

### **2.1 WORK BEING CARRIED OUT IN EACH DEPARTMENT**

#### **2.1.1 E-Commerce**

##### **700+ SUCCESSFUL E-COMMERCE SITES**

We build, innovate and collaborate in the name of successful results. View some of our recent journeys to Destination.

Cybercom Creation is excelled as one of the top Magento solution provider. We have developed and launched more than 700 eCommerce sites on Magento eCommerce platform. We are your dedicated and experienced partner for all your e-commerce projects. We offer advice, support and services right from initial stage all the way to the final roll-out of your online store. Whether your business model is B2C or B2B, we are dedicated to providing the most comprehensive service for a solid and long-term growth of your e-commerce business.

#### **2.1.2 Mobile Application**

##### **100+ SUCCESSFUL MOBILE APPLICATIONS**

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Cybercom Creation is excelled as one of the top Magento solution provider. We have developed and launched more than 700 eCommerce sites on Magento eCommerce platform. We are your dedicated and experienced partner for all your e-commerce projects. We offer advice, support and services right from initial stage all the way to the final roll-out of your online store. Whether your business model is B2C or B2B, we are dedicated to providing the most comprehensive service for a solid and long-term growth of your e-commerce business.

## 2.2 SCHEMATIC LAYOUT OF SEQUENCE OF OPERATION

Schematic layout which shows the sequence of operation for manufacturing of end product.

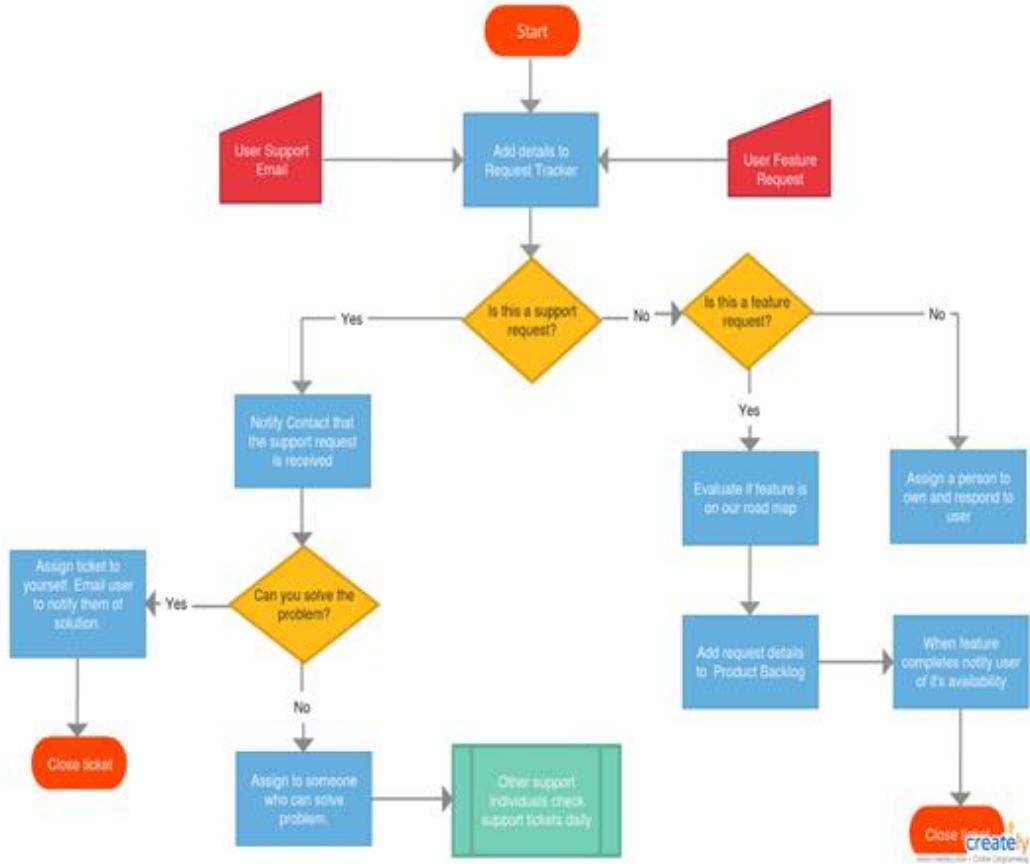


Fig. 2.1 Schematic Layout of Sequence of Operation

## 3. INTRODUCTION TO INTERNSHIP

### 3.1 INTERNSHIP SUMMARY

I began my internship with Cybercom Creation on 3rd January 2022. The employees were immensely friendly, supporting, caring, and honest.

My internship was in three different stages. In the first stage, I was given training in HTML, CSS, SQL, GIT and Data Structures & Algorithms. Then in the second stage Core PHP training was given. And in the last third stage, PHP Framework and Mysql training was given.

Our tests were taken during each phase and our ranking was based on that test, we were trained based on the test we gave. If there is no good performance in the test then we were taught to pay more attention and were motivated to pay more attention.

### 3.2 PURPOSE

The purpose of an internship is to provide real-world experience that enables you to put everything you've learned into action. An internship can help you gain skills that can be applied to future jobs.

Internships are a great way to connect classroom knowledge to real-world experience. Learning is one thing, but taking those skills into the workforce and applying them is a great way to explore different career paths and specializations that suit individual interests.

Having an internship benefits you in the working environment, and it also builds your professional network. Internships provide a great environment to meet professionals in the career field you want to pursue, as well as other interns who have similar interests.

### 3.3 OBJECTIVE

- Develop work habits and attitudes necessary for job success.
- Develop communication, interpersonal and other critical skills in the job interview process.
- Build a record of work experience.
- Acquire employment contacts leading directly to a full-time job following graduation from college.
- Learn to appreciate work and its function in the economy.

- Assess interests and abilities in their field of study.
- Integrate theory and practice.
- Explore career alternatives prior to graduation.

### **3.4 SCOPE**

- An internship provides real life experience and exposure
- The opportunity to learn more about yourself
- Implement theoretical knowledge and get practical knowledge from any organization.
- Get connected and develop your professional network
- Prevent CV from going to the trash
- Transition into a full-time position

### **3.5 TECHNOLOGY**

My internship was in PHP technology. The internship provides basic PHP framework and Core training.

- HTML, CSS
- PHP
- PHP Frameworks: MVC, MVVM, ORM & Magento

### **3.6 INTERNSHIP PLANNING**

My internship was in three different stages. In the first stage, I was given training in HTML, CSS, SQL, GIT and Data Structures & Algorithms. Then in the second stage Core PHP training was given and in the last third stage, PHP Framework and MySQL training was given.

**Level 1 - Core:** HTML, CSS, GIT, SQL, Data Structure & Algorithm

**Level 2 – Migrate:** Core PHP, MySQL

**Level 3 – Advance:** PHP (MVC, MVVM, ORM)

#### 4. INTERNSHIP SCHEDULING (TIMELINE CHART)

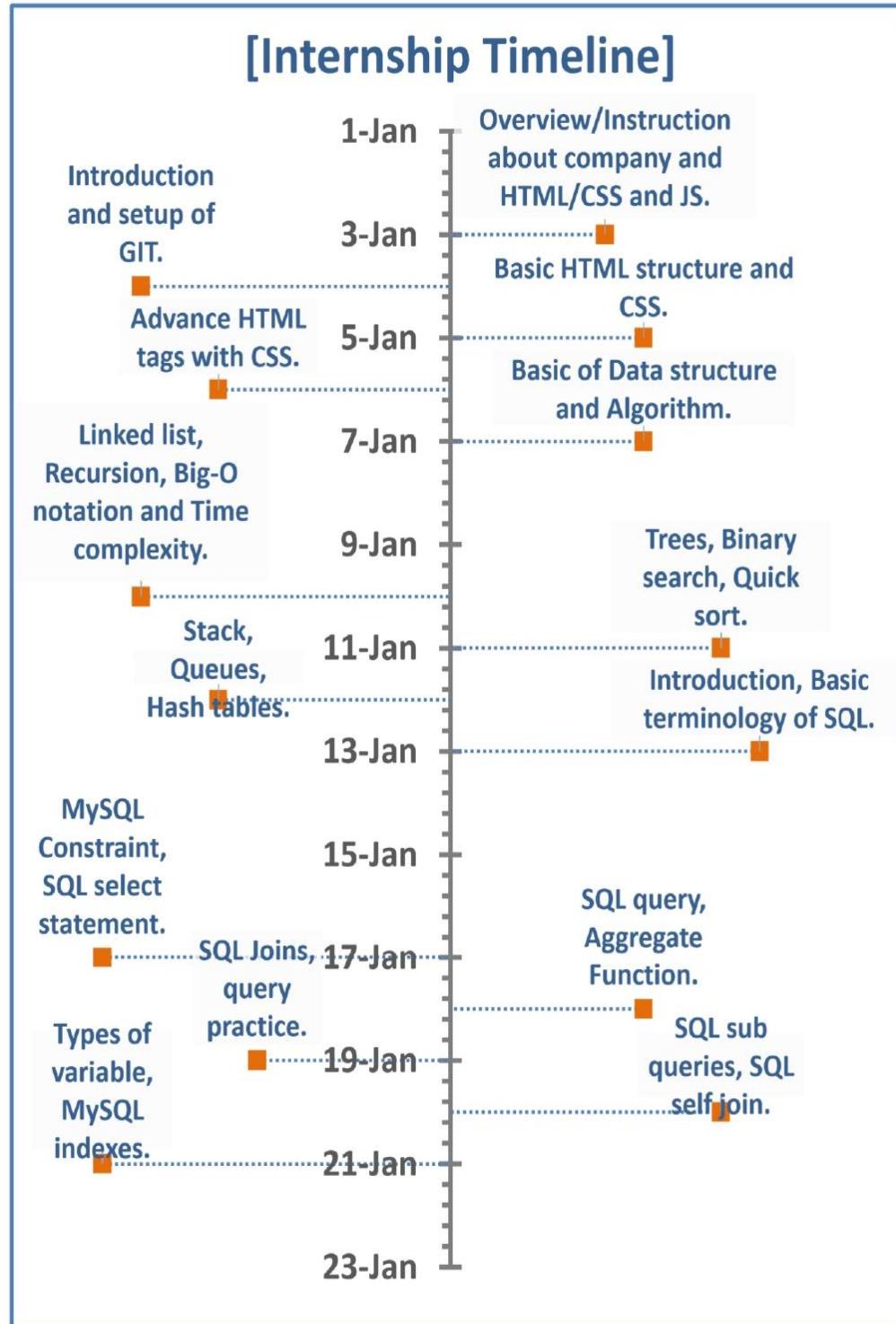


Fig. 4.1 Gantt chart (One to Three week)

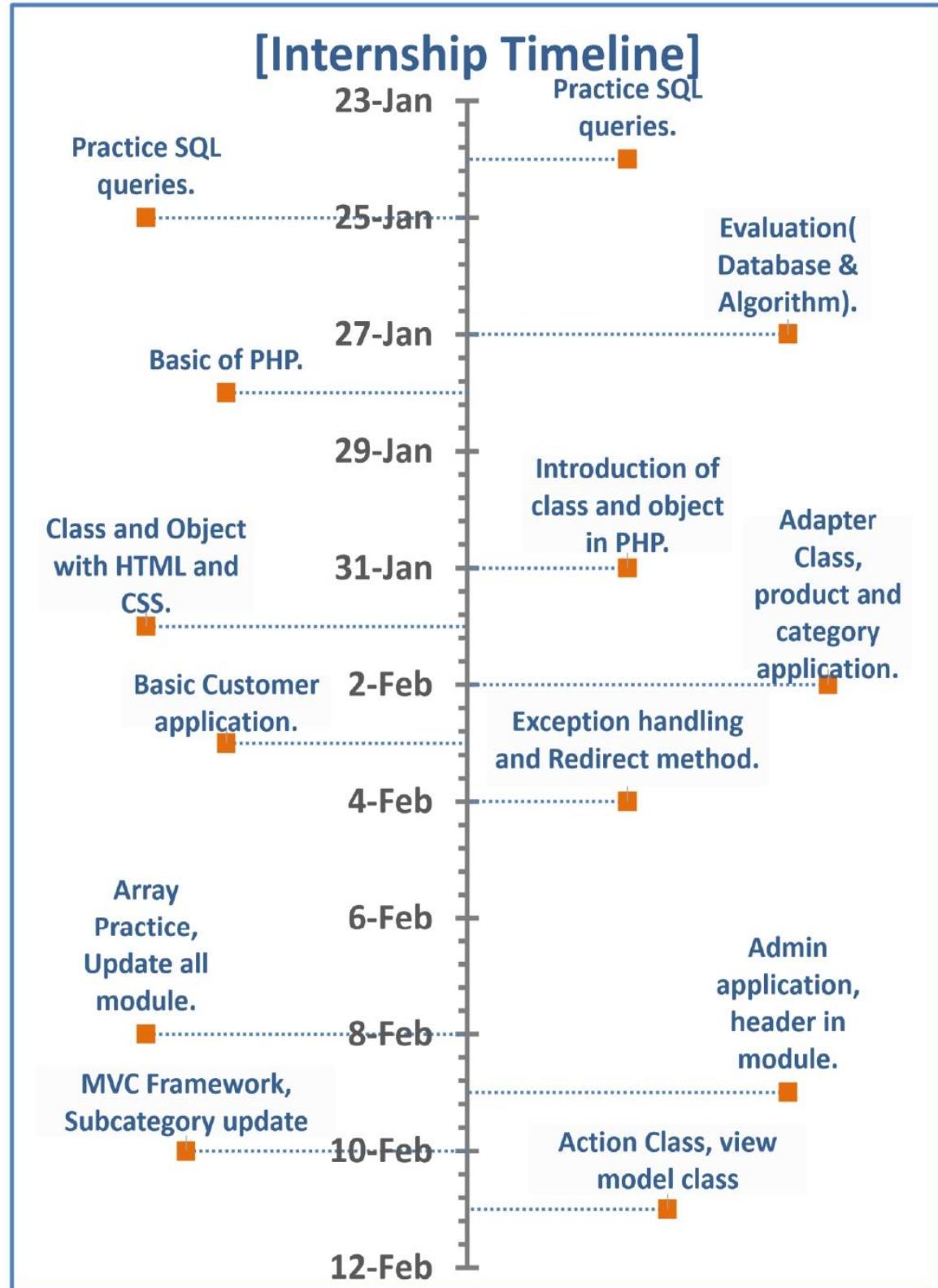


Fig. 4.2 Gantt chart (Four to Six week)

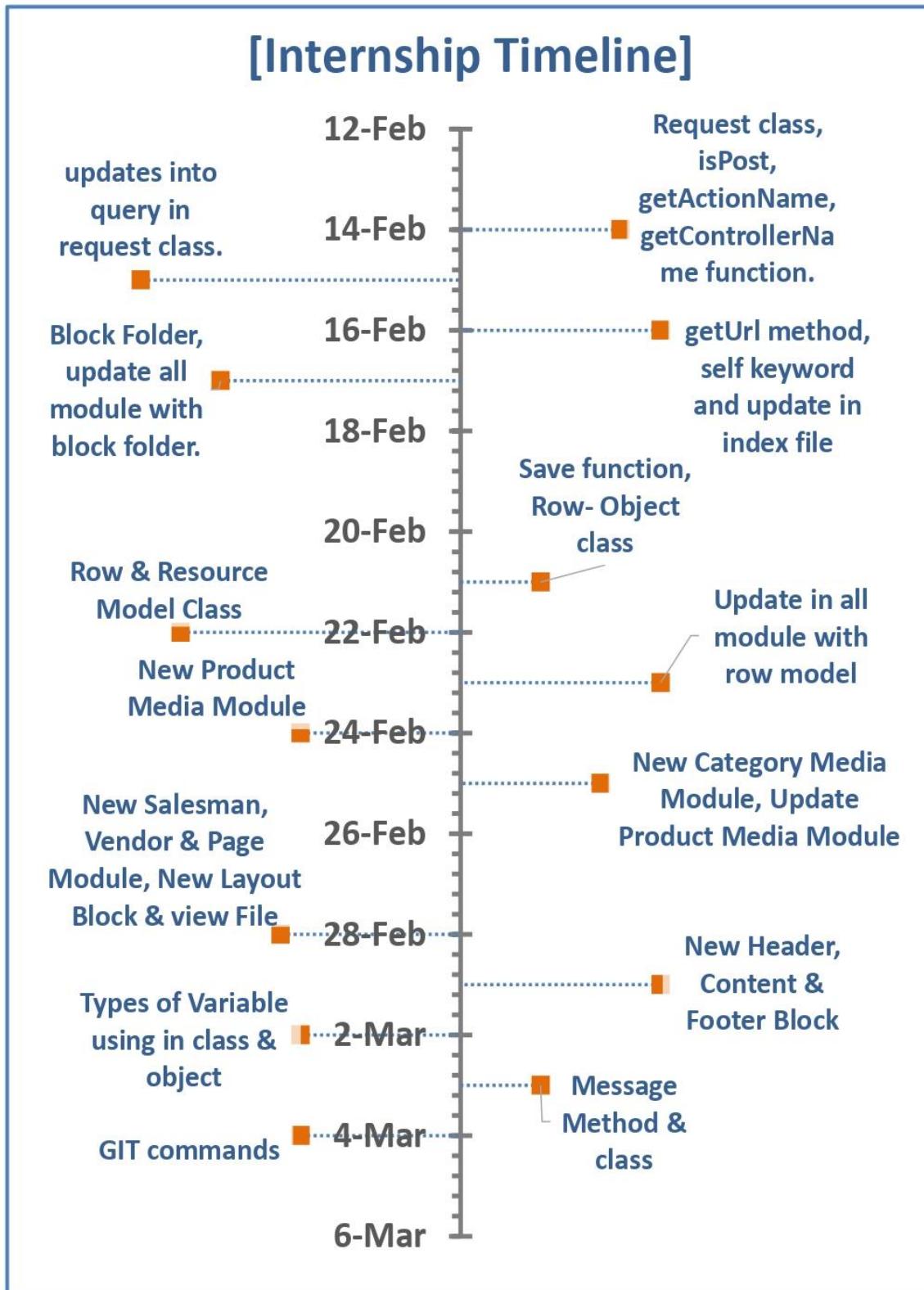


Fig. 4.3 Gantt chart (Seven to Nine week)

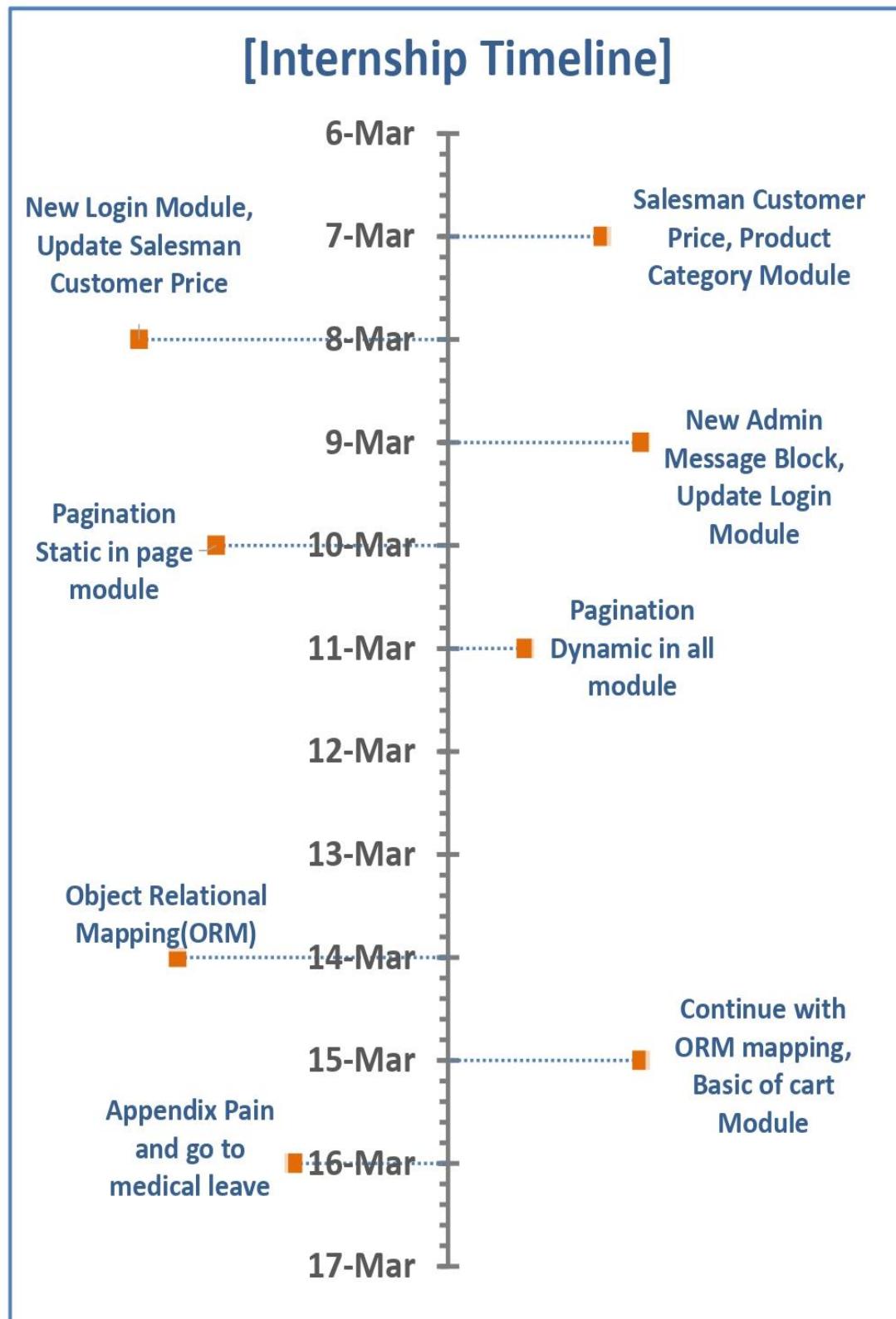


Fig. 4.4 Gantt chart (Ten to Thirteen week)

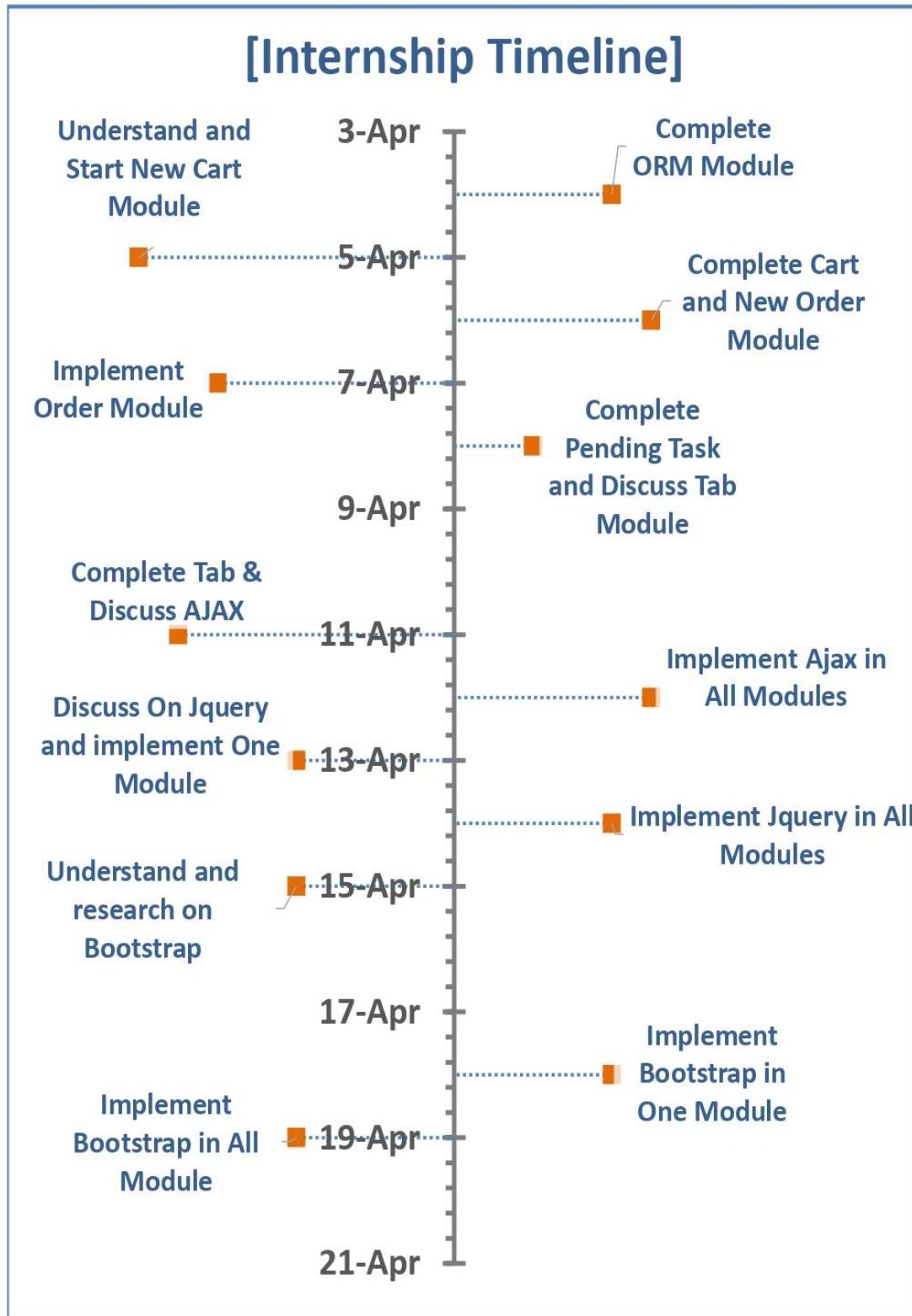


Fig. 4.5 Gantt chart (Fourteen – Fifteen week)

## 5. IMPLEMENTATION

### 5.1 IMPLEMENTATION PLATFORM

**Following is the implementation platforms, which is used during my internship:**

- **Sublime Text**

Sublime Text (opens new window) is a versatile, fun, and fast text editor for code and prose that automates repetitive tasks so you can focus on the important stuff. It is supported on macOS, Windows and Linux. Its versatility comes from a wide range of community-developed third-party packages that provide syntax highlighting, snippets, or other automation backed by Python (opens new window) plugins. The default distribution of Sublime Text aims to provide a basic but very functional set of features, but it can easily be turned into a full-fledged IDE, if so desired.

- **Chrome**

Google Chrome is a cross-platform web browser developed by Google. It was first released in 2008 for Microsoft Windows, built with free software components from Apple WebKit and Mozilla Firefox. It was later ported to Linux, macOS, iOS, and Android, where it is the default browser.

- **GitHub**

GitHub is a for-profit company that offers a cloud-based Git repository hosting service. Essentially, it makes it a lot easier for individuals and teams to use Git for version control and collaboration. GitHub's interface is user-friendly enough so even novice coders can take advantage of Git. Without GitHub, using Git generally requires a bit more technical savvy and use of the command line.

- **Git**

Git is a specific open-source version control system created by Linus Torvalds in 2005. Specifically, Git is a distributed version control system, which means that the entire codebase and history is available on every developer's computer, which allows for easy branching and merging.

## 5.2 TECHNOLOGY

- **HTML**

### **HTML Introduction**

HTML stands for Hyper Text Markup Language. HTML is the standard markup language for creating Web pages. HTML describes the structure of a Web page. HTML consists of a series of elements. HTML elements tell the browser how to display the content. HTML elements label pieces of content such as "this is a heading", "this is a paragraph", "this is a link", etc.

It is used to design web pages using a markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. A markup language is used to define the text document within tag which defines the structure of web pages.

Example:

```
<!DOCTYPE html>
<html>
    <head>
        <title>Page Title</title>
    </head>
    <body>
        <h1>This is a Heading</h1>
        <p>This is a paragraph.</p>
    </body>
</html>
```

- **CSS**

### **CSS Introduction**

Cascading Style Sheets, fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More importantly, CSS enables you to do this independent of the HTML that makes up each web page.

CSS is easy to learn and understand, but it provides powerful control over the presentation of an HTML document. CSS is the language we use to style an HTML document. CSS describes how HTML elements should be displayed.

Example:

```
body { background-color: lightblue; }

h1 {
    color: white;
}
```

- **PHP**

### **PHP Introduction**

"PHP: Hypertext Preprocessor"

PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.

It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.

Example:

```
<?php
    echo "<h2>PHP is Fun!</h2>";
    echo "Hello world!<br>";
?>
```

- **MVC ARCHITECTURE**

### **MVC Introduction**

MVC stands for "Model view And Controller".

The main aim of MVC Architecture is to separate the Business logic & Application data from the USER interface. Different types of Architectures are available. These are 3-tier Architecture, N-tier Architecture, MVC Architecture, etc.

The main advantage of Architecture is Reusability, Security and Increasing the performance of Application.

**Model:** Database operation such as fetch data or update data etc.

**View:** End-user GUI through which user can interact with system, i.e., HTML, CSS.

**Controller:** Contain Business logic and provide a link between model and view.

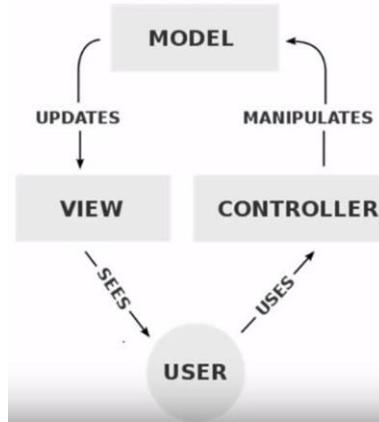


Fig. 5.1 Pictorial diagram of MVC architecture

### **Model:**

The Model object knows all about all the data that need to be displayed.

The Model represents the application data and business rules that govern to an update of data.

Model is not aware about the presentation of data and How the data will be display to the browser.

### **View:**

The View represents the presentation of the application.

View object refers to the model remains same if there are any modifications in the Business logic.

In other words, we can say that it is the responsibility of view to maintain consistency in its presentation and the model changes.

### **Controller:**

Whenever the user sends a request for something, it always goes through Controller.

A controller is responsible for intercepting the request from view and passes to the model for appropriate action.

After the action has been taken on the data, the controller is responsible for directly passes the appropriate view to the user.

In graphical user interfaces, controller and view work very closely together.

### 5.3RESULTS

- Created module like Admin, Category, Config, Customer, Product, Page, Salesman and Vendor.
- In all module we can add, delete and update data using their methods.
- If the user not login then automatically send to the login page and validate their id and password.
- In the product and category their one extra method is gallery, where user can add their photos of that particular product or category.
- In the salesman module their one extra function is customer list, where salesman can see their registered and not registered in any salesman id list.
- Here salesman can add their customer but if once registered salesman can't remove their registered customer.
- In the salesman customer module one extra function which is price of that customer. Salesman can edit their customer price which is mostly use for give a discount to the user.
- Here one more function is, pagination. Which is use for how much quantity of list to show in one page. It is dynamic set by the user.
- Pagination is used in all module, where user can move to next, pre, start and end of the list which want to see by user.
- Here admin is insert their password and we need to save it safe, so here we use MD5 for convert string to hash and store in the database.
- New cart system integrate and implement using reference of foreign key of customer data.
- Here we integrate bootstrap theme for design which version is 3.2.0.

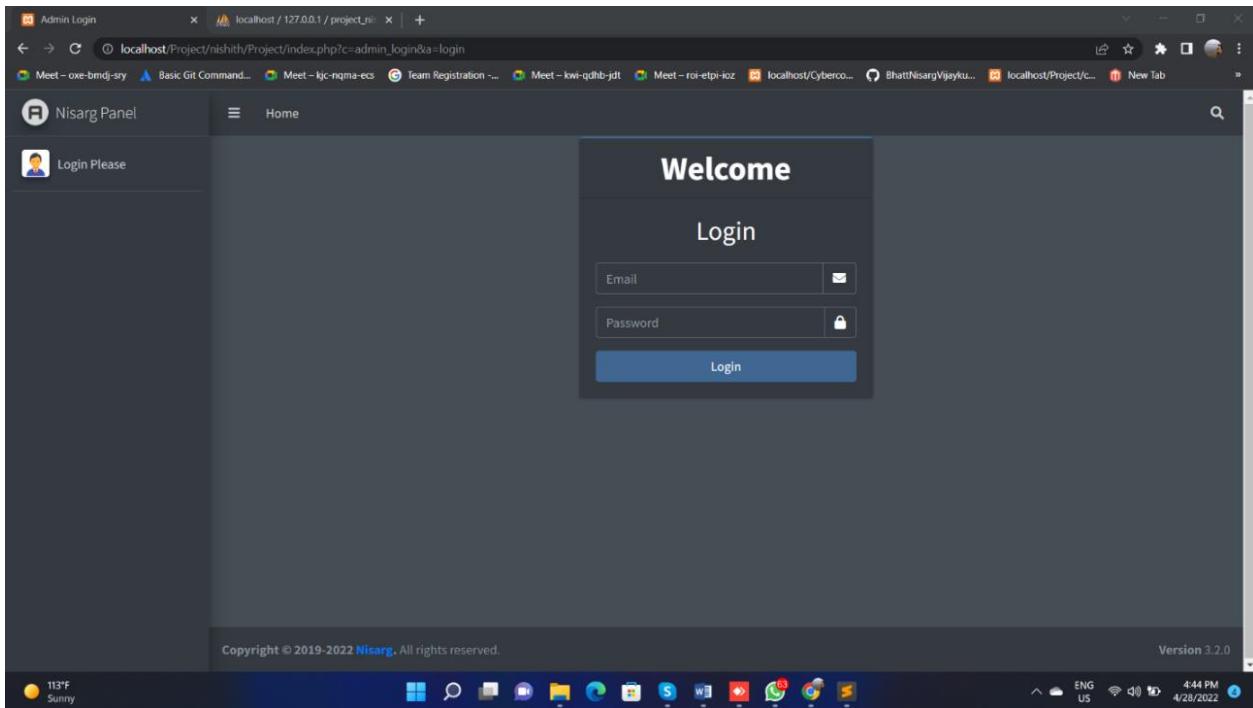


Fig. 5.2 Login Panel

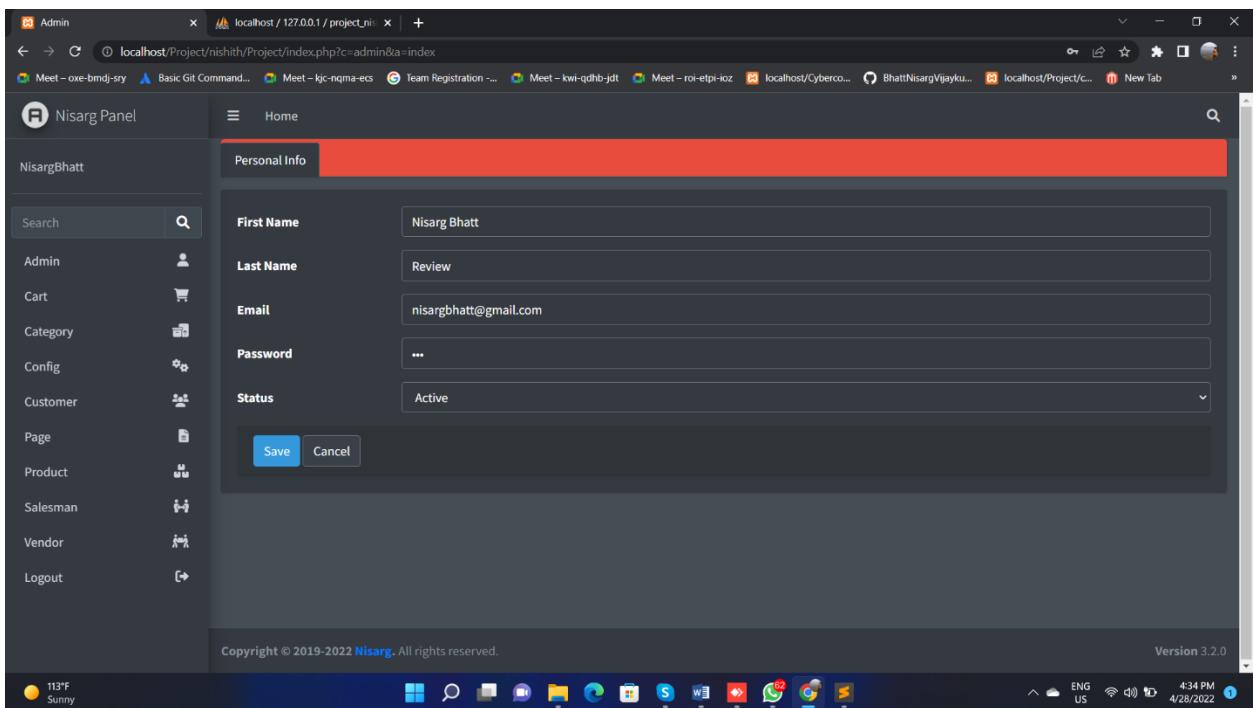


Fig. 5.3 Admin Edit

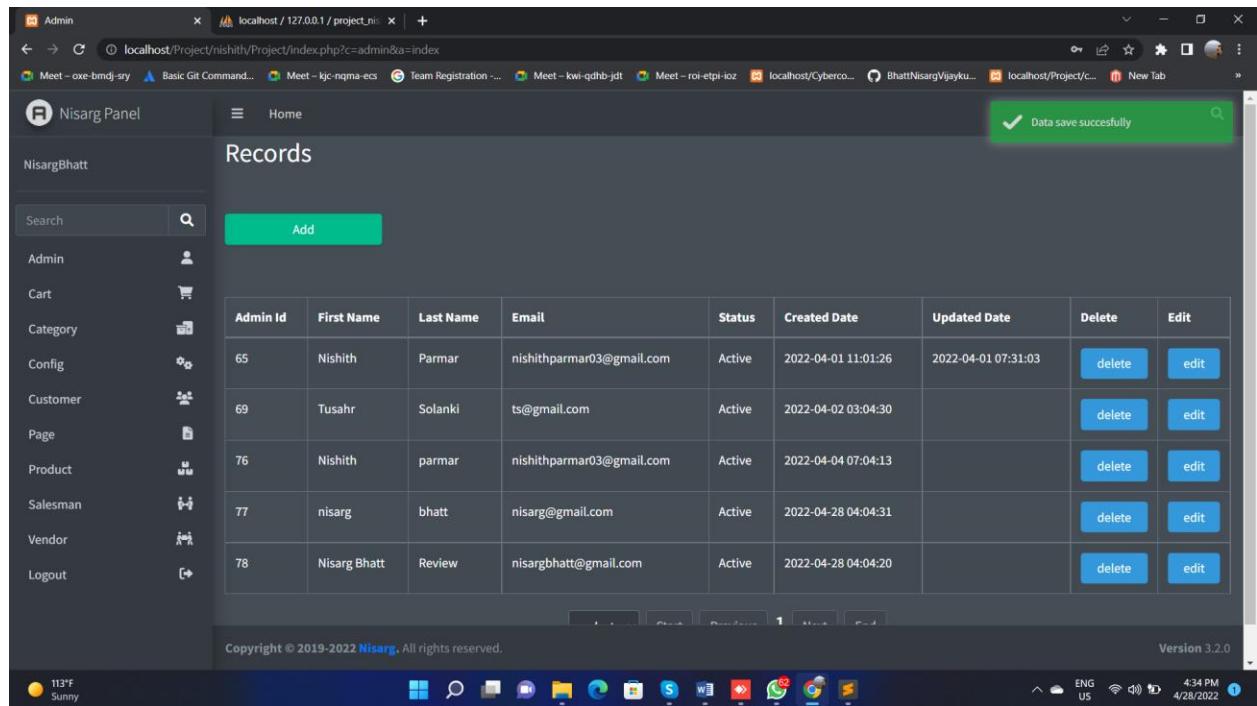


Fig. 5.4 Admin Grid(Data Added Successfully)

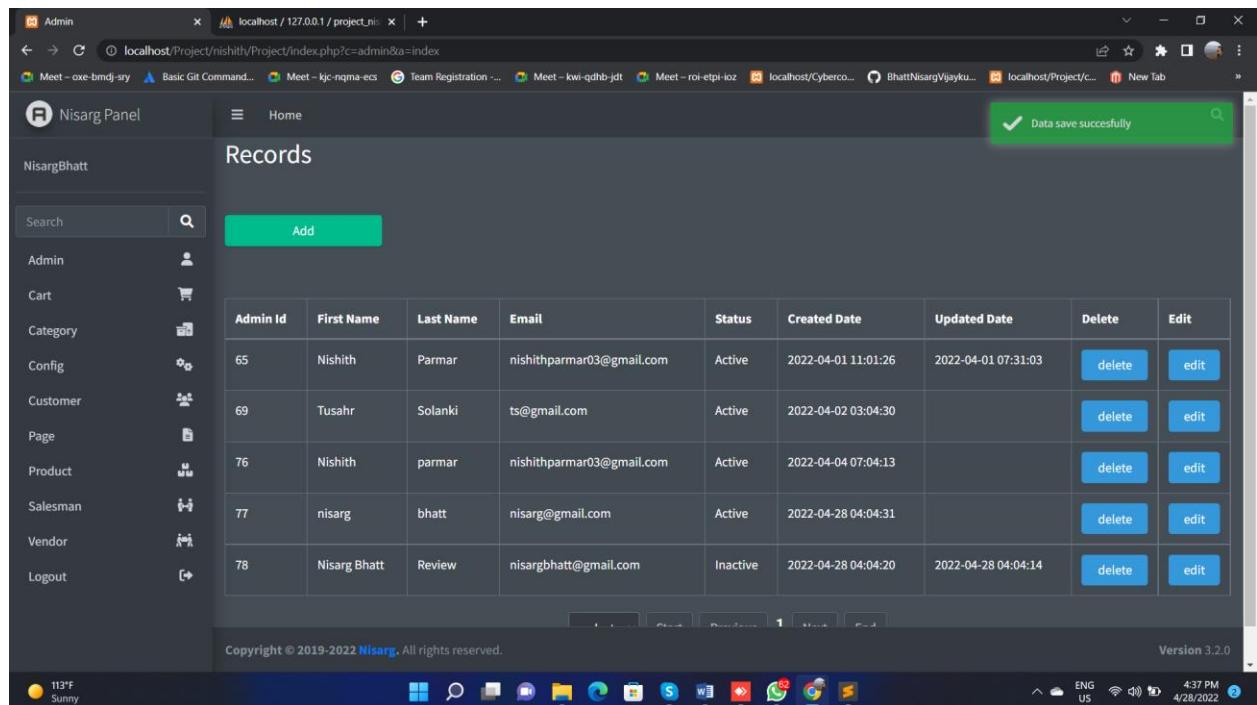


Fig. 5.5 Admin Data Updated

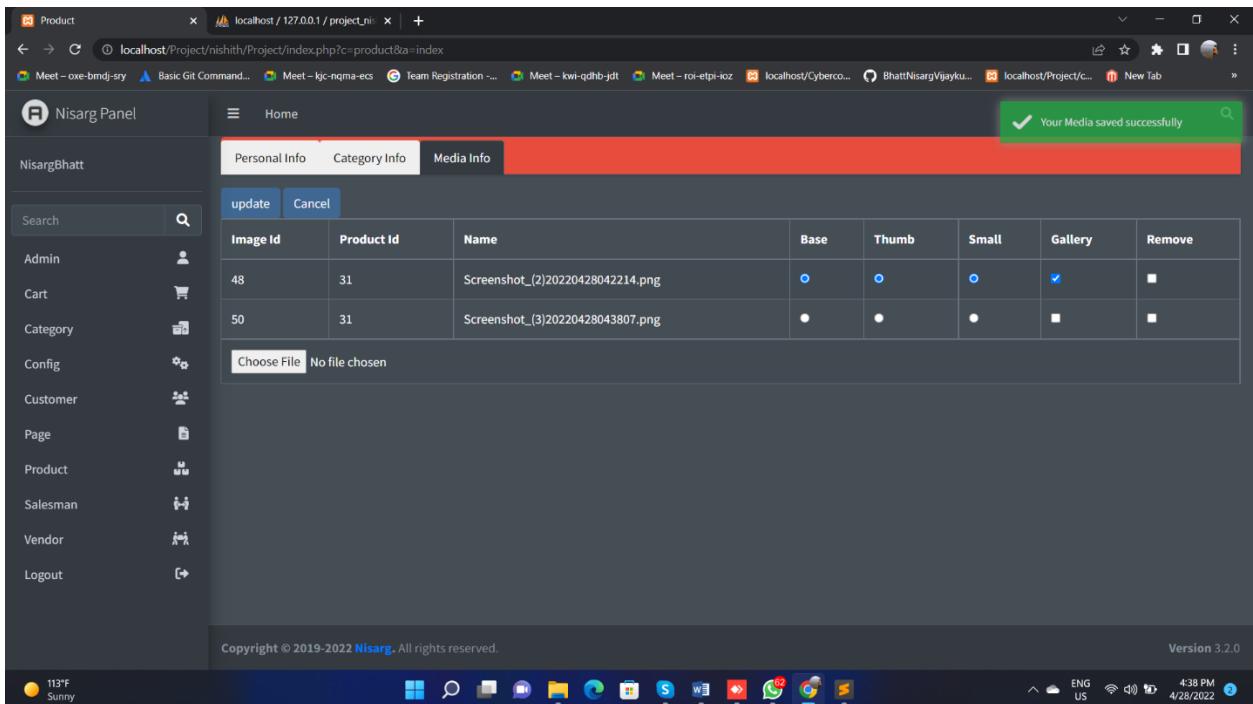


Fig. 5.6 Product Media Saved

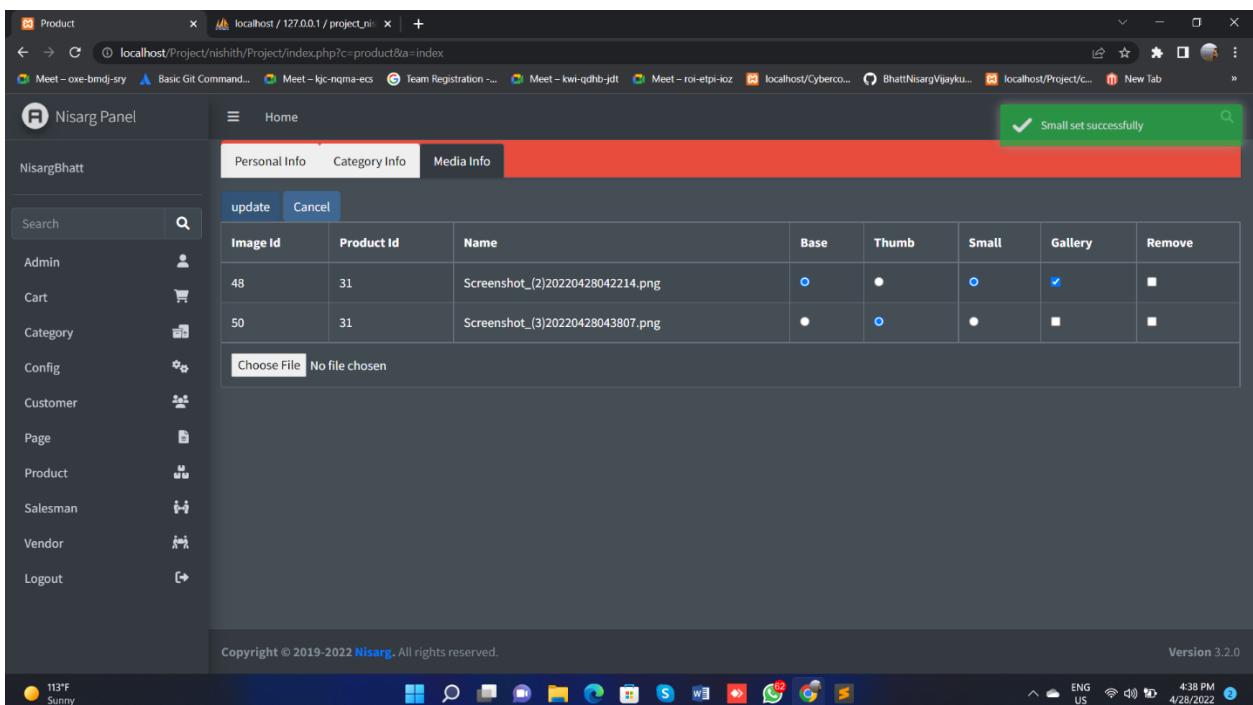


Fig. 5.7 Update Successfully

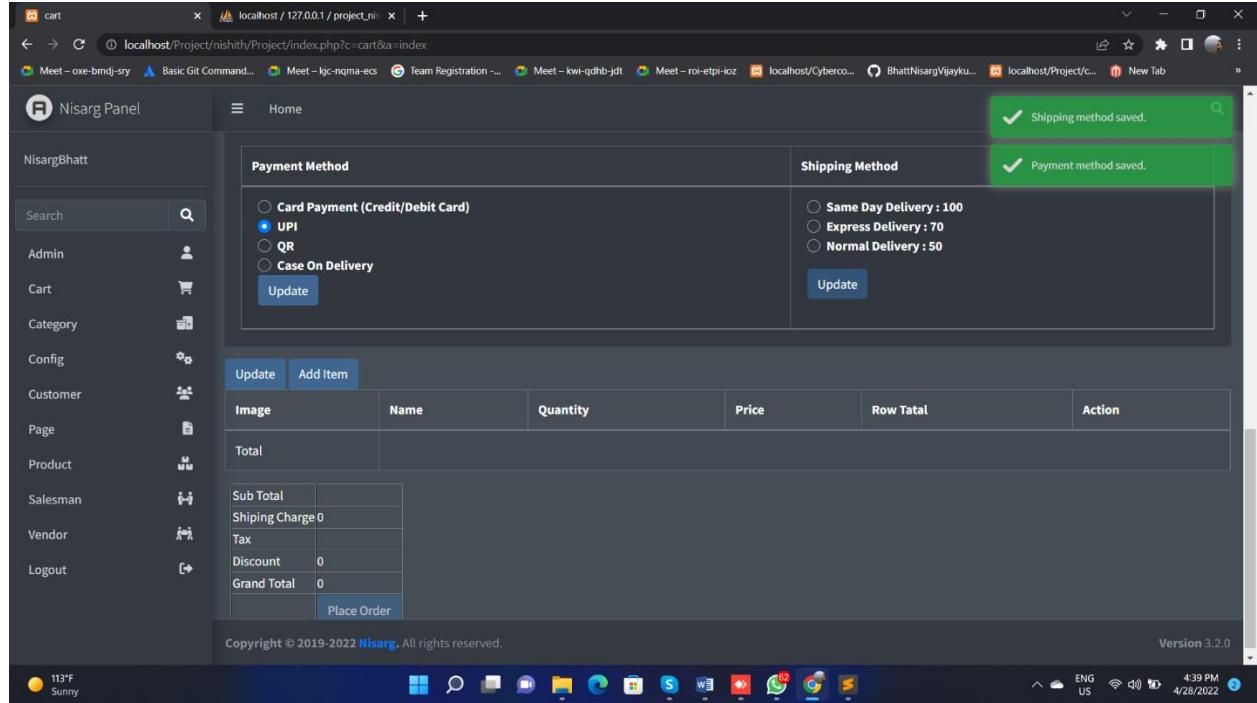


Fig. 5.8 Cart System

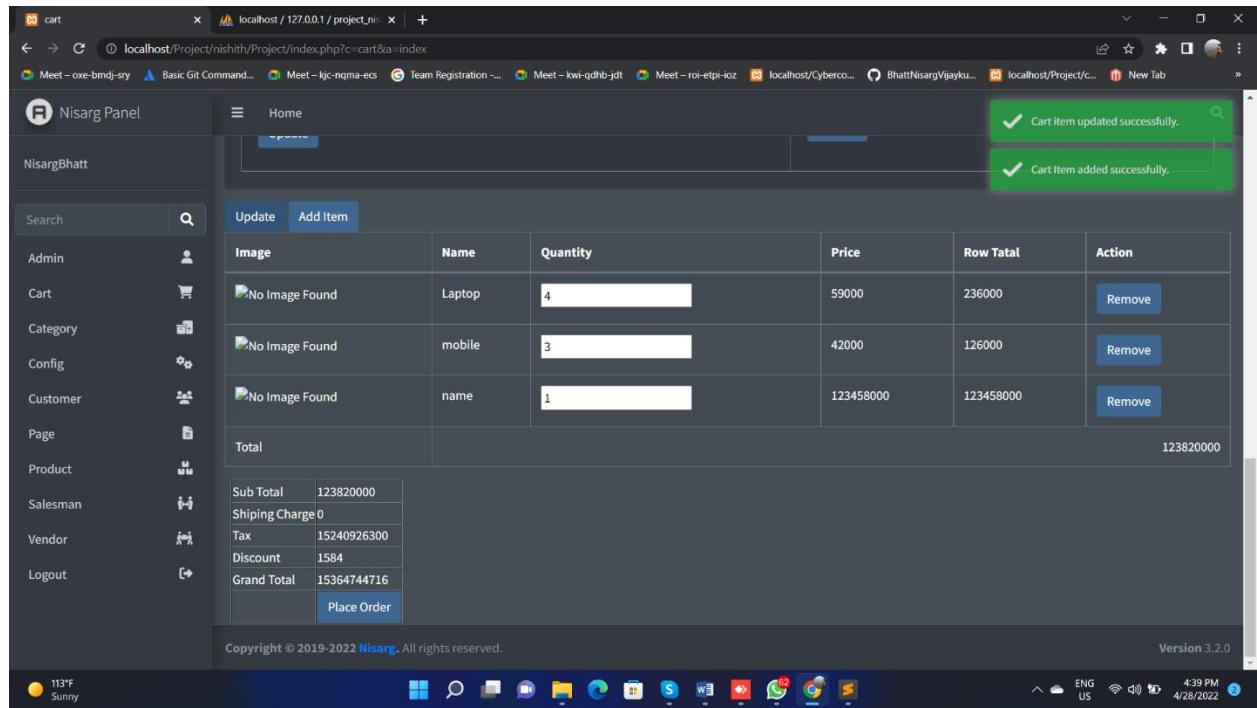


Fig. 5.9 Cart item added

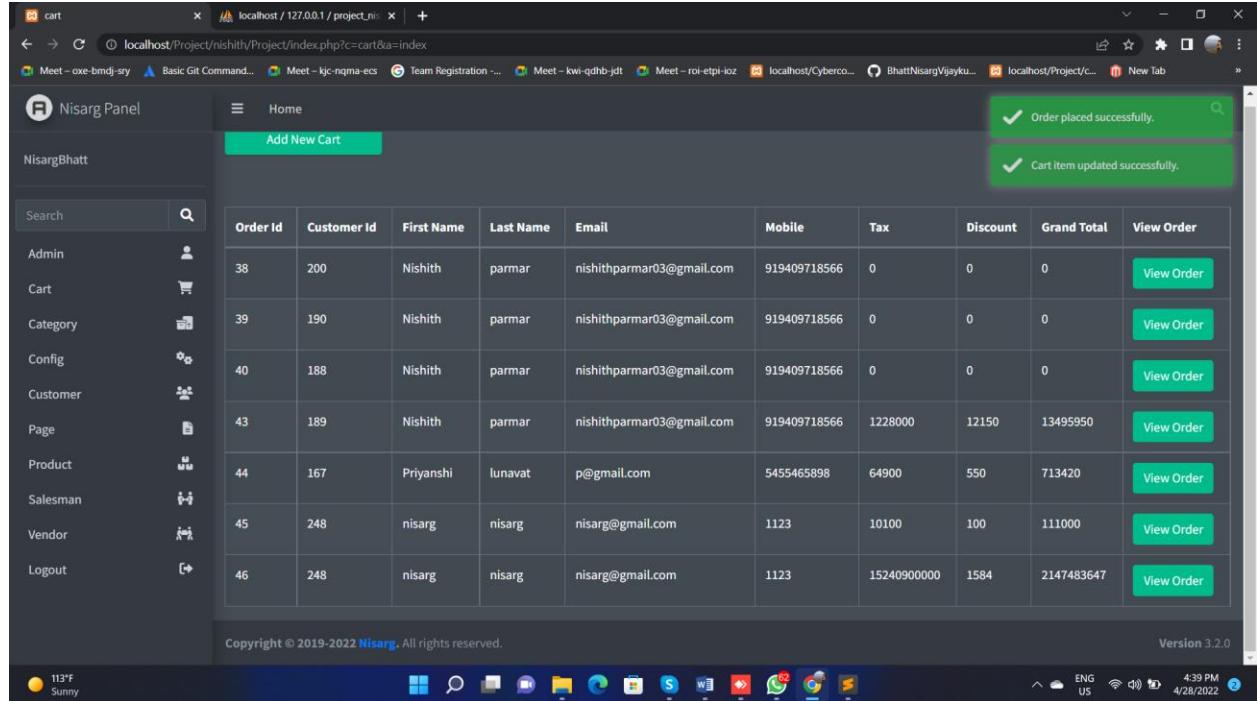


Fig. 5.10 Order placed

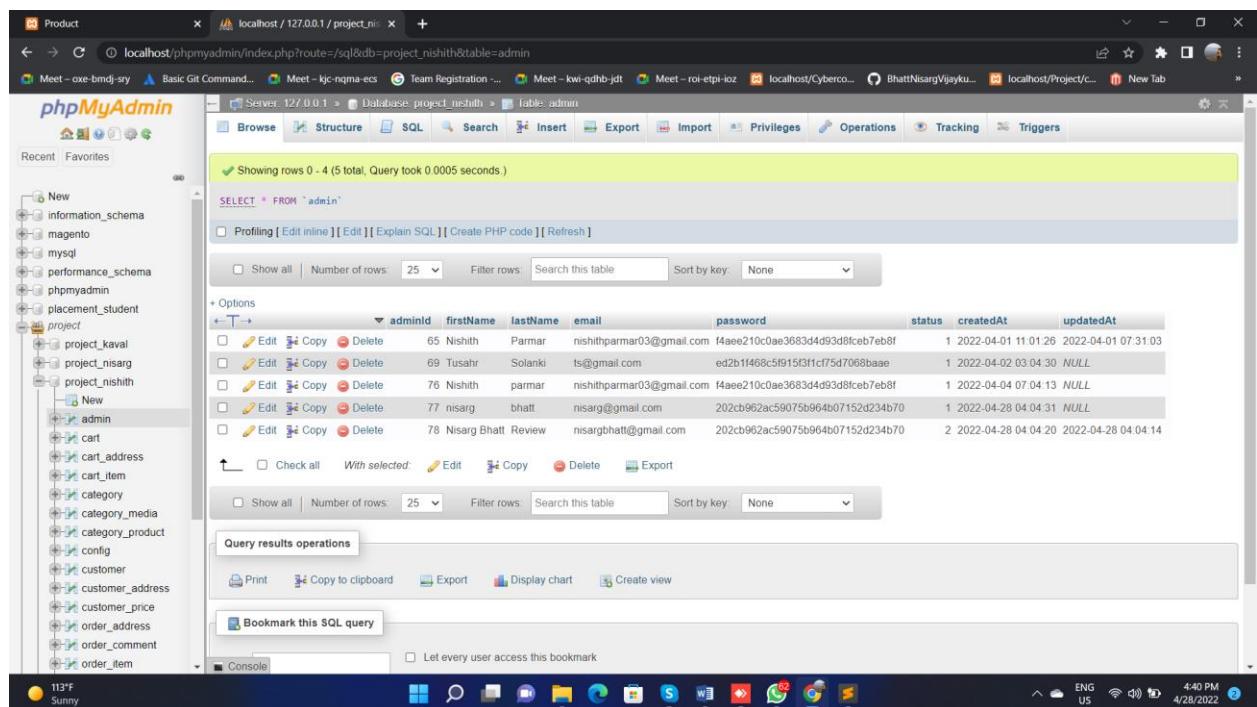


Fig. 5.11 Admin Database

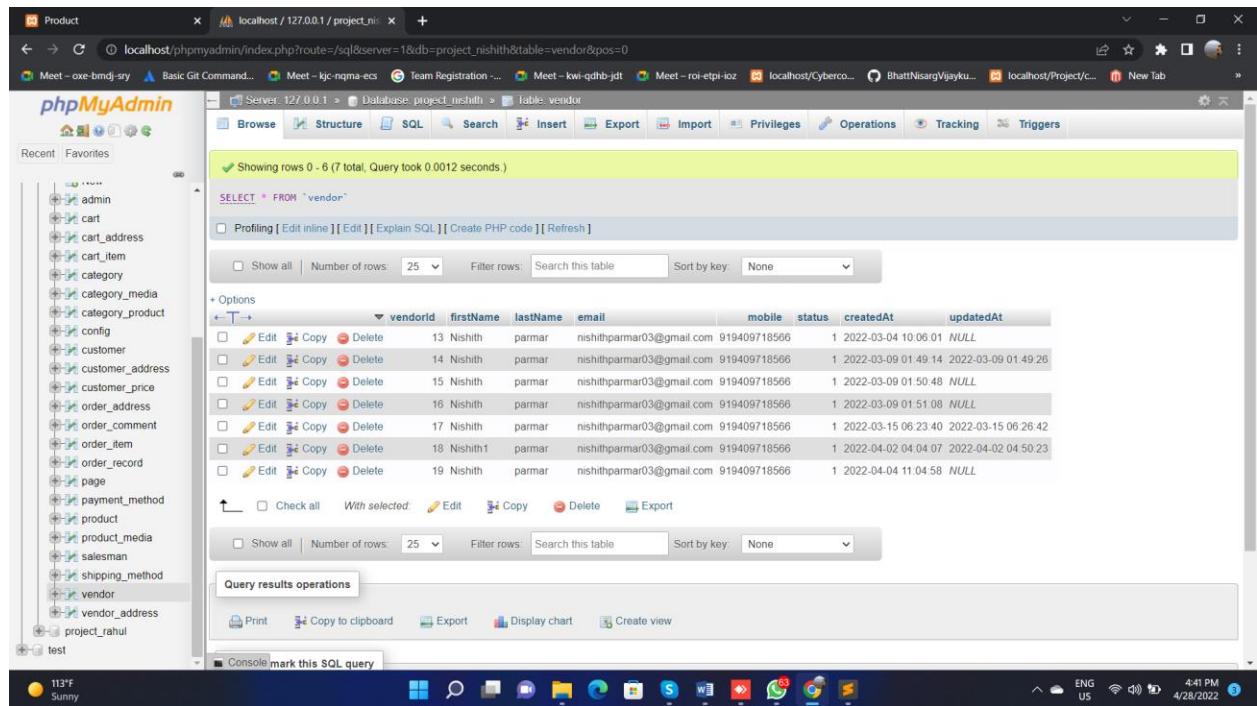


Fig. 5.12 vendor Database

## 6. TESTING

- Unit testing focuses verification effort on the smallest unit of the software design, the module this is known as module testing. Since the proposed system has modules the testing is individually performed on each module. Using the detailed design description as a guide, important control paths are tested to uncover errors within the boundary of the module. This testing was carried out during programming stage itself. In this testing step, each module is found to be working satisfactorily as regards to the expected output from the module.
- Data can be test across an interface, one module can have effect on another, sub function when combined may not produce the desired function. Integration testing is a systematic technique for constructing the program structure while at the same time conducting test to uncover errors associated within the interface.

### 6.1 TESTING PLAN / STRATEGY

#### 6.1.1 VALIDATION TESTING

- Validation testing can be defined in many ways, but a simple definition is that validation succeeds the software functions in manner that is reasonably expected by the customer. Software validation is achieved through a series of black box tests that demonstrates conformity with requirements

#### 6.1.2 OUTPUT TESTING

- After performing the validation testing, the next step is output testing of the proposed system. Since no system could be useful if it does not produce the required output in the specific format. The output generator is displayed by the system under consideration is tested by asking the users about the format required by them. Here the output is considered in two ways; One is on screen and the other is printed format. The output format on the screen is found to be correct as the format was designed in the system design phase according to the user needs. As far as hardcopies are considered, it goes in terms with the user requirement. Hence output testing does not results any correction in the system.

### **6.1.3 WHITE BOX TESTING**

- White Box testing is the test case design method that uses the control structure of the procedural design to derive test cases. White Box testing of software is predicted on close examination of procedural details.

### **6.1.4 BLACK BOX TESTING**

- Black Box testing focuses on the functional requirements of the software. It helps to find out errors in incorrect or missing functions, interface errors, errors in data structures, performance errors and initialization and termination errors. The Black Box testing is applied during the later stages for the functional requirement evaluation.

## 6.2 TEST CASES

Table 6.2.1 Test Cases

Sr. No.	Test Case	Status
1	Test When we enter wrong credentials for login	Pass
2	Test when we enter duplicate data its accept	Fail
3	Test for Product Module we upload product Media then its uploading	Pass
4	Test In Product Module after media uploading its show	Fail
5	Test for Customer Form validation	Fail
6	Test In all Module Links are Perfectly working	Fail
7	Test when we enter address information in Customer Module to store	Fail
8	Test Pagination working	Pass
9	Test Add New Data for Product	Pass
10	Test Edit Data for Page	Pass
11	Test Delete Data for Page	Pass
12	Test in Order all the details enter perfectly	Fail
13	Test in Order all the details enter perfectly	Pass
14	Test Order Placed Successfully	Pass
15	Test Order Module Show the Product details	Pass
16	Test enter Address in the vendor module Its store	Fail
17	Test Operations Perform in Config Module	Pass
18	Test for Category that can show their sub category	Pass
19	Test for Category upload their media file	Fail
20	Test Operations Perform in Admin Module	Pass
21	Test Salesman can their own customers	Pass

## 7. CONCLUSION

### 7.1 OVERALL ANALYSIS OF INTERNSHIP VIABILITIES

Internships are not just resume boosters for students approaching graduation. Their benefits aren't limited to recent graduates either — they can be felt throughout a career.

One of the big findings, Pryor explains of the study, was that college graduates who had internships in college, years later as alumni, were twice as likely than those who did not have internships to be engaged in their work and 1.5 times more likely to report high levels of wellbeing.

According to the results of this comprehensive, nationally representative study, if graduates had an internship or job in college where they were able to apply what they learned in the classroom, their odds of experiencing these positive outcomes saw a marked increase. The results suggest that it's less important that a graduate attended an Ivy League or other esteemed institution and more important that the student was involved in experiential learning opportunities that could adequately prepare them for their professional future.

The National Association of Colleges and Employers (NACE) also reports that students who graduate with internship experiences are generally more likely than students without those experiences to find employment after graduation. Not only do students who completed at least one internship in college see more success in securing full-time employment, but they also report higher levels of satisfaction with their overall career outcomes.

### 7.2 DATES OF CONTINUOUS EVALUATION

- **IT-I** : 25/02/2022
- **IT-II** : 01/04/2022
- **IT-III** : 30/04/2022

### 7.3 SUMMARY OF INTERNSHIP WORK

I began my internship with Cybercom Creation on 3rd January 2022. The employees were immensely friendly, supporting, caring, and honest.

My internship was in three different stages. In the first stage, I was given training in HTML, CSS, SQL, GIT and Data Structures & Algorithms. Then in the second stage CORE PHP training was given. And in the last third stage, MVC Architecture training was given.

Our tests were taken during each phase. And our ranking was based on that test. And we were trained based on the test we gave. If there is no good performance in the test then we were taught to pay more attention and were motivated to pay more attention.

On the all days, our industry supervisor will conduct the meeting and give the information about daily task and we need to code in the live meet and industry supervisor check our knowledge in coding and guide to complete the task and achieve the goal for how to work on live platform.

#### **7.4 FUTURE ENHANCEMENT**

- In the future, they will give training in Magento framework version 1.0 and 2.0.
- Application will be updated using the Magento framework.
- In the future we can add to save product in their cart and they can use their cart anytime.
- We will provide filter system for filter categories, products, etc.
- In the future search module will be implement.
- We will provide our special coin for as a reward and customer can buy from that coin and using this we can increase our market growth.
- We will be add online payment method in future.
- We are going to add books, furniture and many more products delivery with registered delivery person.
- In the future we can add grocery with same delivery.
- We will provide some offer on special day like christmas, independence day, republic day.
- On offer day we will give the special offer and special card payment will give the special discount.

## 8. REFERENCES

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## 9. LOGBOOK

STUDENT'S DAILY DIARY/ LOG				
Name of student:		Bhatt Nisarg Vijaykumar (190163116001)		
Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
03-01 2022	1	- Overview/ Instructions. + overview of HTML/JS/ Database/Algo.	- Learn basic of HTML. - Learn basic of JS/CSS. - Learn basic of Algorithm/Database. - Installation of require software.	<u>Hansibh.</u>
04-01 2022	2	- Introduction and Setup of GIT.	- Learn to uses of GIT Software. - Basic GIT Command. (Add, Modify, Update, change branch, (Create branch, Merge branch etc.)	<u>Hansibh.</u>
05-01 2022	3	- Basic HTML Structure. Different types of tags. Basic of CSS.	- HTML Structure with different types of html tags. - CSS Basic and linked html file with CSS to the different ways. - CSS different properties. - task of HTML.	<u>Hansibh.</u>
06-01 2022	4	- Advance HTML tags. with CSS.	- HTML 5 tags. - HTML Basic standard. - CSS standards. - task of HTML Form with CSS.	<u>Hansibh.</u>
07-01 2022	5	- Data Structure & algorithm. - Arrays & memory - Classes & Objects.	- Learn what is data structure. - what is Array. - Research on Array, class & objects. - Advantages & disadvantages of All. topics. like datastructure, Array, class etc. - Program of Array, class & objects.	<u>Hansibh.</u>

STUDENT'S DAILY DIARY/LOG					
Name of student: BHATT NISAR & VIJAYKUMAR (190163116001)					
Date	Day	Name of completed Task	Work of the day		Sign of the Industry supervisor
10-01 2022	6	- Linked List - Recursion - Bigo Notation - Time complexity.	Research on Linked list, Recursion. Bigo Notation & Time complexity. Program on linked list & Recursion. Advantages & disadvantages.		<u>Hansal</u>
11-01 2022	7	- Trees - Binary Search - Quicksort	See the videos of topics and Research on that. Make the Program of Binary Search, Quicksort & Trees.		<u>Hansal</u>
12-01 2022	8	- Stack & Queues - Hash tables & dictionaries	See the videos of topics and clear about that. Make program of Stack & Queue.		<u>Hansal</u>
13-01 2022	9	- Introduction, Installing, and Basic terminology of SQL.	Introduction of database. MySQL. Installing MySQL and understanding with interface SQL basic and basic database terminology.		<u>Hansal</u>
14-01 2022	10	-	—		

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISAR CT VIJAYKUMAR (Igo163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
17-01 2022	11	<ul style="list-style-type: none"> <li>- MySQL Constraint</li> <li>- SQL Select statement</li> </ul>	<ul style="list-style-type: none"> <li>- MySQL Constraints (keys).</li> <li>- SQL Practice</li> <li>- Select statement Practice.</li> <li>- Employees database loading.</li> </ul>	<u>Hansibh</u>
18-01 2022	12	<ul style="list-style-type: none"> <li>- SQL Query</li> <li>- Aggregate Functions.</li> </ul>	<ul style="list-style-type: none"> <li>- Insert, SQL Statement</li> <li>- Update SQL Statement</li> <li>- Delete SQL Statement</li> <li>- MySQL Aggregate functions.</li> </ul>	<u>Hansibh</u>
19-01 2022	13	<ul style="list-style-type: none"> <li>- SQL Joins</li> <li>- Query Practice with Shopping cust Database.</li> </ul>	<ul style="list-style-type: none"> <li>- SQL Joins.</li> <li>- Inner join, Left Join, Right Join, Join and where used together, Cross join, aggregate functions with joins.</li> </ul>	<u>Hansibh</u>
20-01 2022	14	<ul style="list-style-type: none"> <li>- Solve shopping cust Database query</li> <li>- Solve case-2 SQL Query.</li> </ul>	<ul style="list-style-type: none"> <li>- SQL subqueries</li> <li>- SQL Self Join</li> <li>- Nested SQL Queries inside where.</li> </ul>	<u>Hansibh</u>
21-01 2022	15	<ul style="list-style-type: none"> <li>- Variables</li> <li>- Solve case-2 Query.</li> </ul>	<ul style="list-style-type: none"> <li>- Types of Variables</li> <li>- MySQL Indexes.</li> <li>- CASE Statement.</li> <li>- user define V/S System variable</li> <li>- Session V/S global variable.</li> </ul>	<u>Hansibh</u>

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISAR &amp; VIJAYKUMAR (190163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
24-01 2022	16	Design Newsletter DB and create Tables. Solve query	- Practice SQL Queries. 10 Query questions. Newsletter Database Design.	<u>Hansaben.</u>
25-01 2022	17	Practice Query of Document 3.2 & 3.3.	Practice SQL Queries.	<u>Hansaben.</u>
26-01 2022	18	-	-	
27-01 2022	19	Evaluation (Database & Algorithm)	Evaluation of Datastructure. Evaluation of SQL Query.	<u>Hansaben.</u>
28-01 2022	20	Basic on PHP, class & object.	Basic of PHP to print (echo). Print-f, var_dump, array, ifelse). Overview of class & object. TASK: - Practice on Basic and methods of classes & array.	<u>Hansaben.</u>

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISARG VIJAYRUMAR (180163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
31-01 2022	21	Class & object & variables.	<ul style="list-style-type: none"> <li>Variables, method, class &amp; namespace.</li> <li>Final class.</li> <li>class v/s object v/s variable.</li> <li>Primitive &amp; Non-Primitive datatype.</li> <li>database connection in oops.</li> </ul>	Hansal
01-02 2022	22	class & object with HTML & CSS.	<ul style="list-style-type: none"> <li>Continue with last task with integrate HTML and CSS in PHP.</li> </ul>	Hansal
02-02 2022	23	<ul style="list-style-type: none"> <li>Adapter class Practice with Adapter class.</li> <li>Product &amp; Category Basic application.</li> </ul>	<ul style="list-style-type: none"> <li>Product application Basics.</li> <li>Category application Basics.</li> </ul>	Hansal
03-02 2022	24	<ul style="list-style-type: none"> <li>Upgrade product &amp; category.</li> <li>New customer application.</li> </ul>	<ul style="list-style-type: none"> <li>Upgrade application with action parameter.</li> <li>array in form to submit data.</li> <li>New customer application create with basic functionalities.</li> </ul>	Hansal
04-02 2022	25	<ul style="list-style-type: none"> <li>Exception handling.</li> <li>Redirect method.</li> </ul>	<ul style="list-style-type: none"> <li>try &amp; catch (Exception Handling).</li> <li>New implement redirect method.</li> <li>Create customer with address of existing user &amp; new user.</li> <li>Show data in grid (customer).</li> </ul>	Hansal

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISAROK VIJAYKUMAR (190163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
07-02 2022	26	—	I am on leave.	—
08-02 2022	27	Array Practice. Update category application.	Array 1 & Array 2 Practice. Category application update. Category application on multilevel category update. Array Conversion (Row to Hierarchical)	Hansolm.
09-02 2022	28	Add Admin module. Practice of Array. Menu headers in all module.	New Admin add with new database table. Array Practice to convert. Hierarchical to Row data. Add menu headers in all module. Add New index.php File.	Hansolm.
10-02 2022	29	MVC Framework. Array 2 Practice. Categories module.	Understand MVC Framework and implement with all module. Array 2 Practice in All conversion. Category module update with Path concepts.	Hansolm.
11-02 2022	30	Action class View class Model. Update all module.	Implement New Action class. New view model create and Set object under Action class. Update all module with New class and model method.	Hansolm.

## STUDENT'S DAILY DIARY/LOG

Name of student: BHATT NISAROT VIJAYKUMAR (190163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
14-02 2022	31	- Request class. - IsPost, GetRequest method. - GetActionName & GetControllerName method.	- New Request class. - In Request class. IsPost, GetRequest method. - Get ActionName method. - GetControllerName method.	Hansaben
15-02 2022	32	- Updates into query in Request class.	- Insert function in Request class. - Update function in Request class. - Delete function in Request class. - FetchAll & fetchRow methods in Request class.	Hansaben
16-02 2022	33	- GetUrl method. - Self Keyword - Convert all index method to static.	- New getUrl method. - New Self Keyword in index file to call a static method. - Convert all dynamic methods to static method in index file.	Hansaben
17-02 2022	34	- Block Folder - Update all application using Block.	- New Block Folder and using that update all module. - getBlock function add. - getProducts method in Action.	Hansaben
18-02 2022	35	—	Visit college For First Review.	—

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISAR VIJAYKUMAR (190163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
21-02-2022	36	- Save Function - Row Object class - load function	Save Method use to save the data in database. Row object class in all module. load Function For load id from db.	Hansib.
22-02-2022	37	- Introduction of Types of Models. - Row and Resource Model class.	- Types of Models. i) Row Model ii) Resource Model, & iii) Collection Model. - implement Resource Model. - implement Row Model in All module and update code.	Hansib.
23-02-2022	38	- Update in all module and change some file name for upgrade.	- Change or Rename Files name for upgrade the module - change Some files locations for upgrade Systems.	Hansib.
24-02-2022	39	- Product media module - Upgrade Product module.	- Upload Photos of Product media - Create New module for upload Product photos Name is Productmediu. - Upgrade product module for connect the Productmedia module.	Hansib.
25-02-2022	40	- Category media module - Upgrade category module.	- Upload Photos of category. - Create New module with same db table and upload photos in database. - Upgrade category module for connect the categorymediu module.	Hansib.

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISARG VIJAYKUMAR (190163116001).

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
28-02 2022	41	<ul style="list-style-type: none"> <li>- Salesman, Vendor &amp; Page module.</li> <li>- Layout Block &amp; View file.</li> </ul>	<ul style="list-style-type: none"> <li>- New Salesman, Vendor and Page module for practice.</li> <li>- New Layout Block &amp; View file.</li> <li>- Header, Content &amp; Footer Block and View file.</li> </ul>	<u>Hansaben</u>
01-03 2022	42	<ul style="list-style-type: none"> <li>- Implementation of Header, Content &amp; Footer Block.</li> <li>- Menu Block.</li> </ul>	<ul style="list-style-type: none"> <li>- Implement New menu Block.</li> <li>- Connect Header, Content &amp; Footer Block in All module</li> <li>- Connect menu in all module.</li> </ul>	<u>Hansaben</u>
02-03 2022	43	<ul style="list-style-type: none"> <li>- Types of global variable.</li> <li>- Session variable using class &amp; object.</li> </ul>	<ul style="list-style-type: none"> <li>- Types of global variable.</li> <li>- Session Variable class and use using different methods (set, get &amp; unset).</li> <li>- Start, destroy, getId, deregisterId function in session class.</li> </ul>	<u>Hansaben</u>
03-03 2022	44	<ul style="list-style-type: none"> <li>- Messages method.</li> <li>- Message class</li> </ul>	<ul style="list-style-type: none"> <li>- Handling message create a New message class.</li> <li>- In message class add, get, and unset message method.</li> <li>- Using session handle messages to show(error, warning &amp; success).</li> </ul>	<u>Hansaben</u>
04-03 2022	45	- GIT commands.	- Different types of GIT Commands. (Merge, Push, Pull, Fetch, Status, etc.)	<u>Hansaben</u>

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## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISARUT VIJAYKUMAR (190163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
07-03 2022	46	+ Salesman - customer + Salesman - customer - Price Product category - Mapping.	Salesman Customer Module Product Category In product Module We have Show also list of product categories and here you can also add & edit Particular categories.	Hansolm.
08-03 2022	47	+ Salesman - customer - Price update + Login module. + Session update.	Update in Salesman Customer Price Pending task. Login module Create & update in all modules Session update in core files.	Hansolm.
09-03 2022	48	+ Update Login module. + Admin message + Namespace Admin.	Login update Admin message from core message. Create Namespace and use it in modules.	Hansolm.
10-03 2022	49	+ Pagination static in Page module	Pagination means divide database, data and show in grid Page module. Static Pagination.	Hansolm.
11-03 2022	50	+ Pagination Dynamic in all modules + Core updates.	Dynamic Pagination in Page module and all modules. Core updates in most of core files like. index, view, Adapter, Action, front etc.	Hansolm.

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISAR &amp; VIJAYKUMAR (190168116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
14-03 2022	51	- Object Relational Mapping (ORM) - Basic of cust.	- Implement Object Relational mapping (ORM) methods in all modules. - Basic of Cust module.	Hansib
15-03 2022	52	- Continue with ORM Mapping.	- Continue task of ORM Methods implementation in all modules.	Hansib
16-03 2022	53	—	Appendix pain and on medical leave.	—
17-03 2022	54	—	—	—
18-03 2022	55	—	—	—

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISAR &amp; VIJAYKUMAR (190163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
21-03 2022	56	—	Medical leave —	—
22-03 2022	57	—	—	—
23-03 2022	58	—	—	—
24-03 2022	59	—	—	—
25-03 2022	60	—	—	—

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## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISARU VIJAYKUMAR (190163116001)

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
28-03 2022	61	—	Medical leave	—
29-03 2022	62	—	—	—
30-03 2022	63	—	—	—
31-03 2022	64	—	—	—
01-04 2022	65	—	Visit College for Second Review	—

**STUDENT'S DAILY DIARY/ LOG**

Name of student: BHATT NISARG VIJAYKUMAR.

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
04-04 2022	66	Complete ORM Mapping. Discuss about Cust Module.	Completed Previous task. Discuss and understand about New cust module.	Hansaben
05-04 2022	67	Implement Cust related Some class.	Implement cust System class and methods. Discuss about order app.	Hansaben
06-04 2022	68	Cust System Implementation	Implementation of cust System. and completed Cust module.	Hansaben
07-04 2022	69	close the order application.	Implementation of order System and completed order application.	Hansaben
08-04 2022	70	Complete Some Pending task. Discuss tub module in Edit block.	Complete Some pending task. Discuss tub module in Edit block.	Hansaben

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISARG VIJAYKUMAR.

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
21-04 2022	71	- Discuss on AJAX. - Implement AJAX in one module.	- Discuss on AJAX. - Implement AJAX in one module.	<u>Hansaben</u>
22-04 2022	72	- Implement AJAX in All modules.	- Implement AJAX in All modules.	<u>Hansaben</u>
23-04 2022	73	- Discuss on Jquery. - Implement Jquery in one module.	- Discuss on Jquery. - Implement Jquery in one module.	<u>Hansaben</u>
24-04 2022	74	- Implement Jquery in All modules.	- Implement Jquery in All modules.	<u>Hansaben</u>
25-04 2022	75	- Bootstrap Implementation.	- Implement Bootstrap and Understand & research on class.	<u>Hansaben</u>

## STUDENT'S DAILY DIARY/ LOG

Name of student: BHATT NISARG VIJAYKUMAR

Date	Day	Name of completed Task	Work of the day	Sign of the Industry supervisor
18-04 2022	76	Complete Bootstrap in one module.	Implement Bootstrap in one module.	Hansaben
19-04 2022	77	Implement Bootstrap in all modules.	Complete Implementation of Bootstrap in modules.	Hansaben

## MEDICAL CERTIFICATE

ઓસ્પિટલ : ૨૨૮૯૬૪૫૦, ૨૬૨૬૩૩૩૮



શોની કર્શીંગ હોલ્મા

ડૉ. જયશ્રી કે. સોની (એમ.બી.બી.એસ.; ડી.જી.આ.)  
ગ્યાનેકોલોજીસ્ટ (લીરોગ નિષ્ણાંત)

Dr. JAYSHREE K. SONI (M.B.B.S.; D.G.O.)  
Gynaecologist  
Mob. : 94280 44412

સમય : સવારે ૧૧-૩૦ થી ૧-૩૦  
સાંજે ૫-૦૦ થી ૭-૦૦

ડૉ. કેતન ટી. સોની (એમ.એસ.)  
જનરલ અને લેપ્રોસ્કોપિક સર્જન

Dr. KETAN T. SONI (M.S.)  
General & Laparoscopic Surgeon

સમય : સવારે ૧૦-૩૦ થી ૧-૩૦  
સાંજે ૫-૦૦ થી ૭-૩૦

## Medical Certificate

Date : ૧૫/૩/૨૦૨૨

This is to certify that

Mr./Mrs/Miss Nisarg Vijay Bhatt  
is/was under my treatment

since \_\_\_\_\_ to \_\_\_\_\_ for Acute  
Appendicitis & he  
requires urgent operation for

He/She is/was advised treatment and rest for this period.

He/She is fit to resume his/her duties from \_\_\_\_\_

Doctor's seal

DR. KETAN T. SONI (M.S.)  
Regd. No. G-2022  
Society Registration No.  
S.O. No. 11401, M.A.Y.D.,  
1st Floor, 2nd Main Road,  
Kundanpura, Ahmedabad - 382330.  
Mobile: 94280 44412

Signature

ઓસ્પિટલ : ૧૨, ભૂમિપાર્ક સોસાયટી, કચવાડા ફાંટા, માણલી સર્કલ, નરોડા ગામ પાછળ, નરોડા, અમદાવાદ-૩૮૨૩૩૦.

## MEDICAL CERTIFICATE

ફોસ્પિટલ : ૨૨૮૭૬૪૫૦, ૨૬૨૯૩૩૩૮



## શોળી ગર્ભીંગ હોસ્પિટલ

ડૉ. જયશ્રી ક. સોની (એમ.બી.બી.એસ.; ડી.જી.આ.)  
ગ્યાનેકોલોજીસ્ટ (અસ્પેક્ટ નિષ્ણાંત)

**Dr. JAYSHREE K. SONI (M.B.B.S.; D.G.O.)**  
Gynaecologist                      Mob. : 94280 44412

સમય : સવારે ૧૧-૩૦ થી ૧-૩૦  
          સાંજે ૫-૦૦ થી ૭-૦૦

ડૉ. કેતન ટી. સોની (એમ.એસ.)  
જનરલ અને લેપ્રોસ્કોપીક સર્જન

**Dr. KETAN T. SONI (M.S.)**  
General & Laparoscopic Surgeon  
સમય : સવારે ૧૦-૩૦ થી ૧-૩૦  
          સાંજે ૫-૦૦ થી ૭-૦૦

## Medical Certificate

Date : 22/3/2022

This is to certify that

Mr./Mrs/Miss Nisarg Vijaykumar Bhatt

is/was under my treatment

since 16/3/2022 to \_\_\_\_\_ for Operated

for Acute Appendicitis — on

19/3/2022.

Adv. Rest up to 31/3/2022

He/She is/was advised treatment and rest for this period.



He/She is fit to resume his/her duties from \_\_\_\_\_

Dr. KETAN T. SONI  
(M.S.)  
નિષ્ણાંત  
જનરલ & લેપ્રોસ્કોપીક  
સર્જન  
કોલેજ ઑફ નોન  
કાર્યાલાય, રારોડા,  
**Doctor's seal** D-182330.

Signature

ફોસ્પિટલ : ૧૨, ભૂમિપાર્ક સોસાયટી, કઠવાડા ફાંટા, માછલી સર્કલ, નરોડા ગામ પાછળ, નરોડા, અમદાવાદ-૩૮૨૩૩૦.