GOVERNMENT POLYTECHNIC AWASARI(KH)

Department of Information Technology
Six Week Training Program on
"LINUX TRAINING"
Industrial Training Report

Academic Year (2021-2022)

(Date:04-07-2022 to 14-08-2022)

DETAILS OF STUDENT

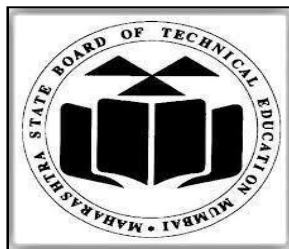| Sr. no	Roll NO.	Name of the Students	Enrollment No.
1	22IF303	BANGAR SARTHAK NILESH	2010510345

Under Supervision of

Mr. Amol Bhujbal

&

Mentored By

Mrs.P.C.Fafat

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GOVERNMENT POLYTECHNIC AWASARI (KHURD)
DEPARTMENT OF INFORMATION TECHNOLOGY

C E R T I F I C A T E

This is to certify that the following students has successfully completed Industrial Training (22057) in **Expert IT – Hindustan Informatics** from 04/07/2022 to 14/08/2022 for partial fulfillment towards completion of Diploma in **INFORMATION-TECHNOLOGY** from **Government Polytechnic Awasari (Kh)** Institute Code:**1051.**

DETAILS OF STUDENT

Sr. no	Roll NO.	Name of the Students	Enrollment No.
1	22IF303	BANGAR SARTHAK NILESH	2010510345

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Teacher	HOD	Principal
Mrs. P.C.Fafat	**Dr.D.N.Rewadkar**	**Dr.D.R.Nandanwar**

Internship Letter

14th Aug 2022,

      This is to certify **Mr. Bangar Sarthak Nilesh**. Student from **Government Polytechnic Awasari (kh), Pune** has completed internship in our organization during the period of **4th July 2022** to **14th August 2022**.

We found him sincere and result – oriented and wish him success in his career.

Thanking You,

Yours Sincerely

From Expert IT | Hindusthan Infomatics.

Acknowledgement

These six weeks training was completely the success and this would not have been without help of some people, whose initial and constant support was the key to the success of our training. We hereby wish to acknowledge the following people for their immense support throughout the period of training.

We are profoundly grateful **to Mrs.P.C.Fafat** Faculty Mentor, thorough whose help we are able to get opportunity for our training in this industry.

We are thankful to **Mr. Amol Bhujbal**, Training Supervisor, who helped and guided at professional level and guided to us.

We are also grateful to **Dr.D.N.Rewadkar**, HOD, Department of Information Technology, for his support and encouragement.

Finally, we are also grateful to Honorable **Dr.D.R.Nandanvar**, Principal, Government Polytechnic Awasari (Kh), Pune, for his support and guidance that have helped us to expand our horizons of thought and expression.

………………….. ………………… ………………....
Teacher **HOD** **Principal**
Mrs. P.C.Fafat **Dr.D.N.Rewadkar** **Dr.D.R.Nandanwar**

ABSTRACT

Expert IT & Hindustan Informatics

Expert IT & Hindustan Informatics specialized in providing innovative web solution to its elaborative customer base. **Website, Web, PHP, React JS, Angular JS, JAVA, Linux, Android Mobile Application Development Software and Software Product Based Company in Manjari Bk** are some of the verticals we specialize in. We have earned the pride of being leading web solution provider in India. Therefore, our Project & Product Development in pune, Android App Development in pune clients and our work speak for us. Business needs can be met only when technology is in sync with service. At **Expert IT & Hindustan Informatics** we provide multi-dimensional IT services that would cater to high-end internet strategy, Software Development. And also design solutions for corporate customers all across the globe.

1) Linux:

Ubuntu is a Linux-based operating system. It is designed for computers, smartphones, and network servers. The system is developed by a UK based company called Canonical Ltd. All the principles used to develop the Ubuntu software are based on the principles of Open Source software development.

Features of Ubuntu:

Following are some of the significant features of Ubuntu −

- The desktop version of Ubuntu supports all the normal software on Windows such as Firefox, Chrome, VLC, etc.
- It supports the office suite called **LibreOffice**.
- Ubuntu has an in-built email software called Thunderbird, which gives the user access to email such as Exchange, Gmail, Hotmail, etc.
- There are a host of free applications for users to view and edit photos.
- There are also applications to manage videos and it also allows the users to share videos.
- It is easy to find content on Ubuntu with the smart searching facility.
- The best feature is, it is a free operating system and is backed by a huge open source community.

2) HTML:

HTML stands for Hyper Text Markup Language. 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 web pages. A markup language is used to define the text document within the tag which defines the structure of web pages. This language is used to annotate (make notes for the computer) text so that a machine can understand it and manipulate text accordingly. Most markup languages (e.g. HTML) are human-readable. The language uses tags to define what manipulation has to be done on the text.

Features of HTML

1) It is a very **easy and simple language**. It can be easily understood and modified.

2) It is very easy to make an **effective presentation** with HTML because it has a lot of formatting tags.

3) It is a **markup language**, so it provides a flexible way to design web pages along with the text.

4) It facilitates programmers to add a **link** on the web pages (by html anchor tag), so it enhances the interest of browsing of the user.

5) It is **platform-independent** because it can be displayed on any platform like Windows, Linux, and Macintosh, etc.

6) It facilitates the programmer to add **Graphics, Videos, and Sound** to the web pages which makes it more attractive and interactive.

7) HTML is a case-insensitive language, which means we can use tags either in lower-case or upper-case.

3) CSS:

Cascading **S**tyle **S**heets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs,variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

Advantages of CSS

- **CSS saves time** − You can write CSS once and then reuse same sheet in multiple HTML pages. You can define a style for each HTML element and apply it to as many Web pages as you want.
- **Pages load faster** − If you are using CSS, you do not need to write HTML tag attributes every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.
- **Easy maintenance** − To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.
- **Superior styles to HTML** − CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.
- **Multiple Device Compatibility** − Style sheets allow content to be optimized for more than one type of device. By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.
- **Global web standards** − Now HTML attributes are being deprecated and it is being recommended to use CSS. So its a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.

4) JavaScript:

JavaScript (js) is a light-weight object-oriented programming language which is used by several websites for scripting the webpages. It is an interpreted, full-fledged programming language that enables dynamic interactivity on websites when applied to an HTML document. It was introduced in the year 1995 for adding programs to the webpages in the Netscape Navigator browser. Since then, it has been adopted by all other graphical web browsers. With JavaScript, users can build modern web applications to interact directly without reloading the page every time. The traditional website uses js to provide several forms of interactivity and simplicity.

Although, JavaScript has no connectivity with Java programming language. The name was suggested and provided in the times when Java was gaining popularity in the market. In addition to web browsers, databases such as CouchDB and MongoDB uses JavaScript as their scripting and query language.

Features of JavaScript:

There are following features of JavaScript:

1. All popular web browsers support JavaScript as they provide built-in execution environments.
2. JavaScript follows the syntax and structure of the C programming language. Thus, it is a structured programming language.
3. JavaScript is a weakly typed language, where certain types are implicitly cast (depending on the operation).
4. JavaScript is an object-oriented programming language that uses prototypes rather than using classes for inheritance.
5. It is a light-weighted and interpreted language.
6. It is a case-sensitive language.
7. JavaScript is supportable in several operating systems including, Windows, macOS, etc.
8. It provides good control to the users over the web browsers.

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5) Git Hub:

GitHub is an immense platform for code hosting. It supports version controlling and collaboration and allows developers to work together on projects. It offers both distributed version control and source code management (SCM) functionality of Git. It also facilitates collaboration features such as bug tracking, feature requests, task management for every project.

Essential components of the GitHub are:

- Repositories
- Branches
- Commits
- Pull Requests
- Git (the version control tool GitHub is built on)

Advantages of GitHub:

GitHub can be separated as the Git and the Hub. GitHub service includes access controls as well as collaboration features like task management, repository hosting, and team management.

- The key benefits of GitHub are as follows.
- It is easy to contribute to open source projects via GitHub.
- It helps to create an excellent document.
- You can attract the recruiter by showing off your work. If you have a profile on GitHub, you will have a higher chance of being recruited.
- It allows your work to get out there in front of the public.
- You can track changes in your code across versions.

6) Project Work Screenshots:
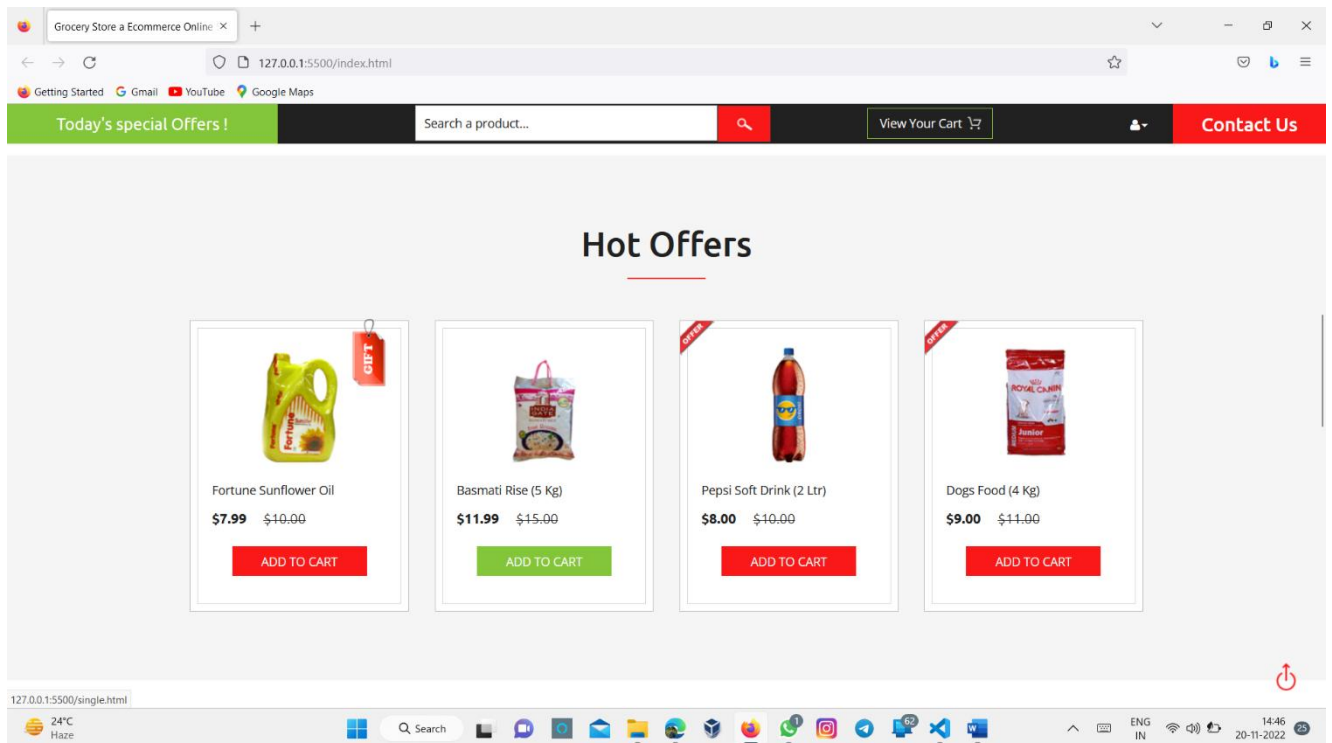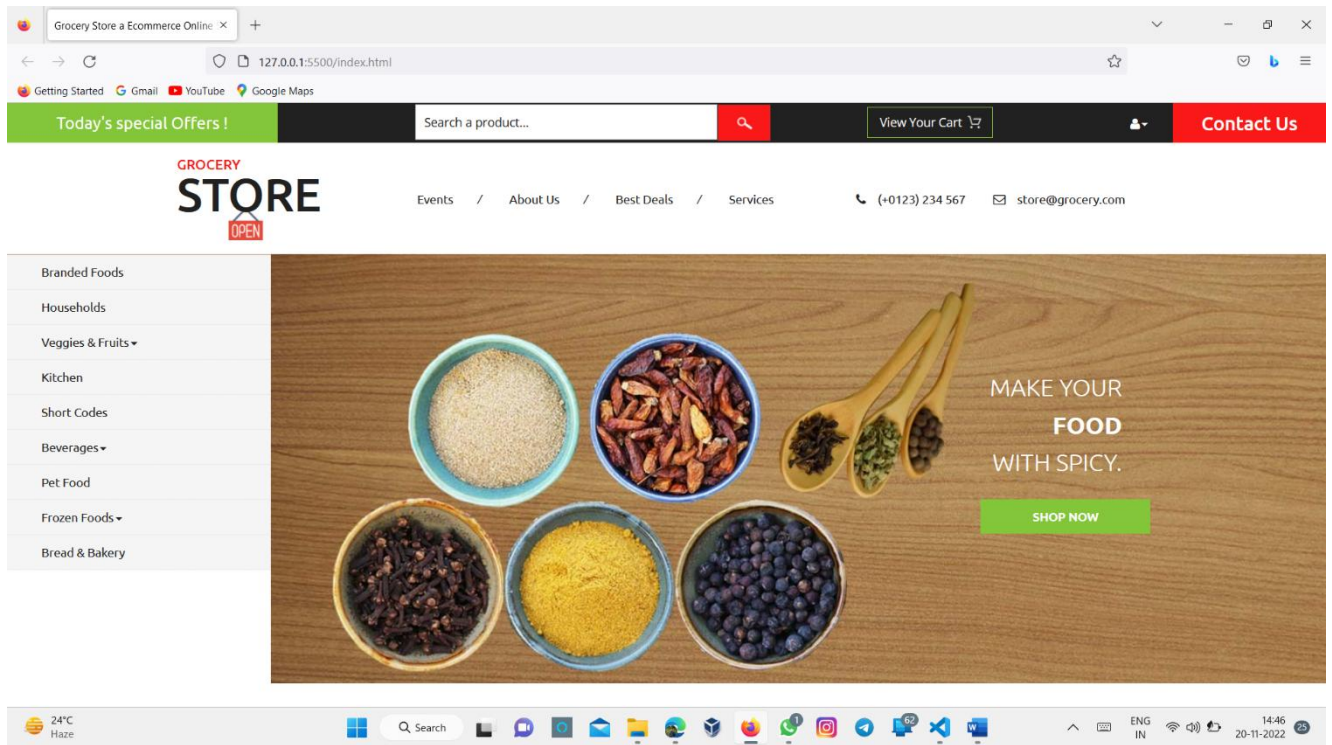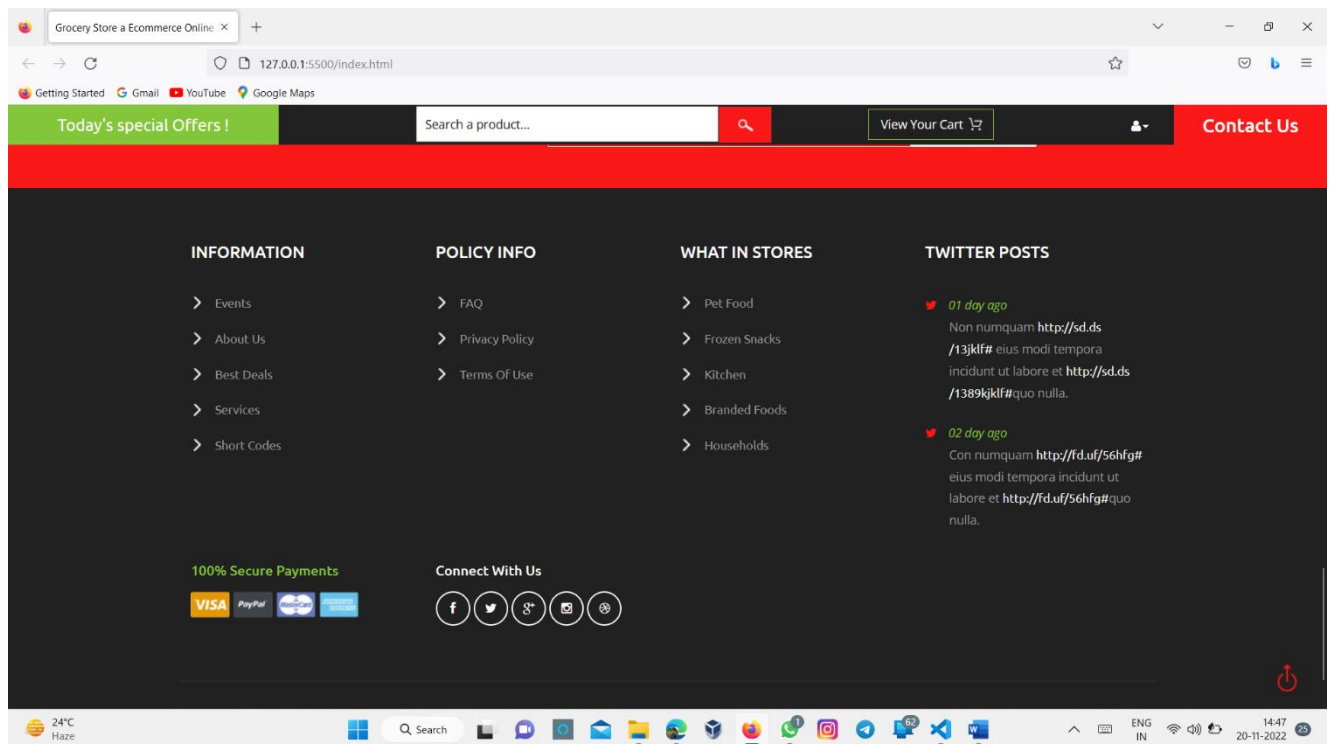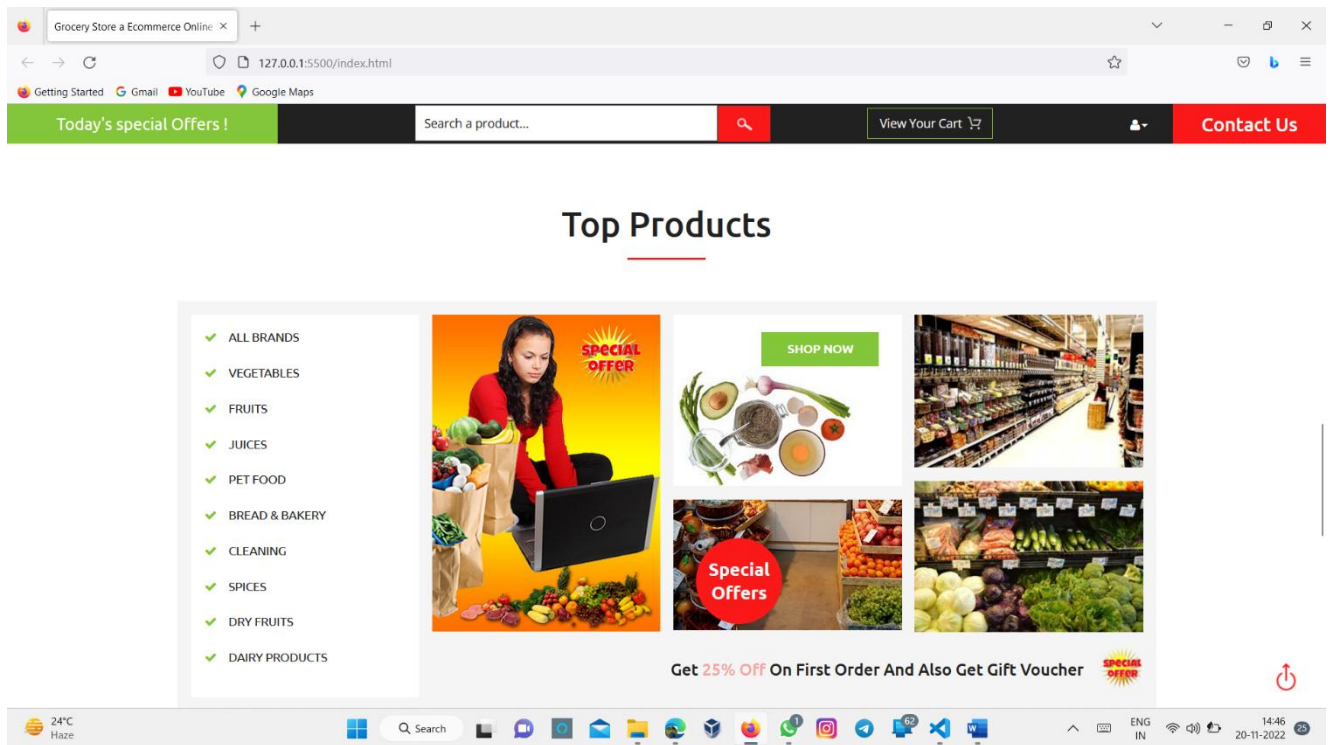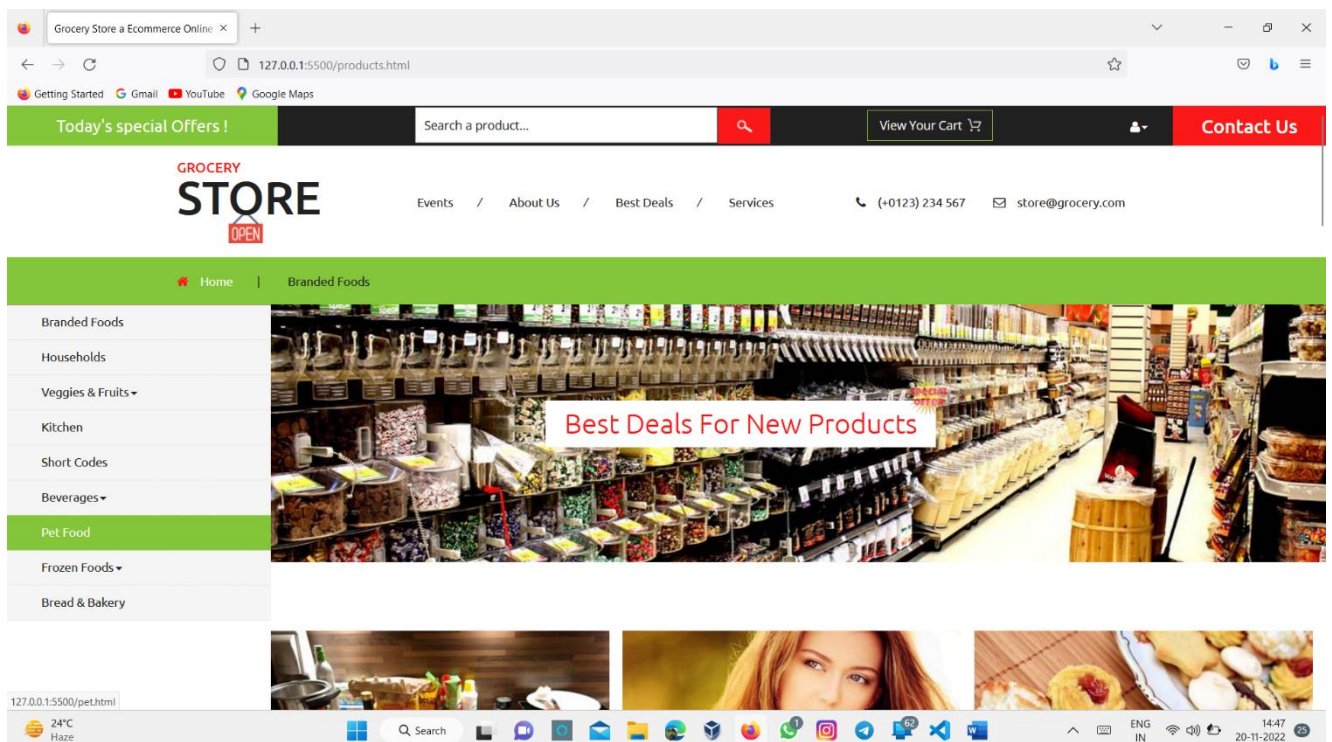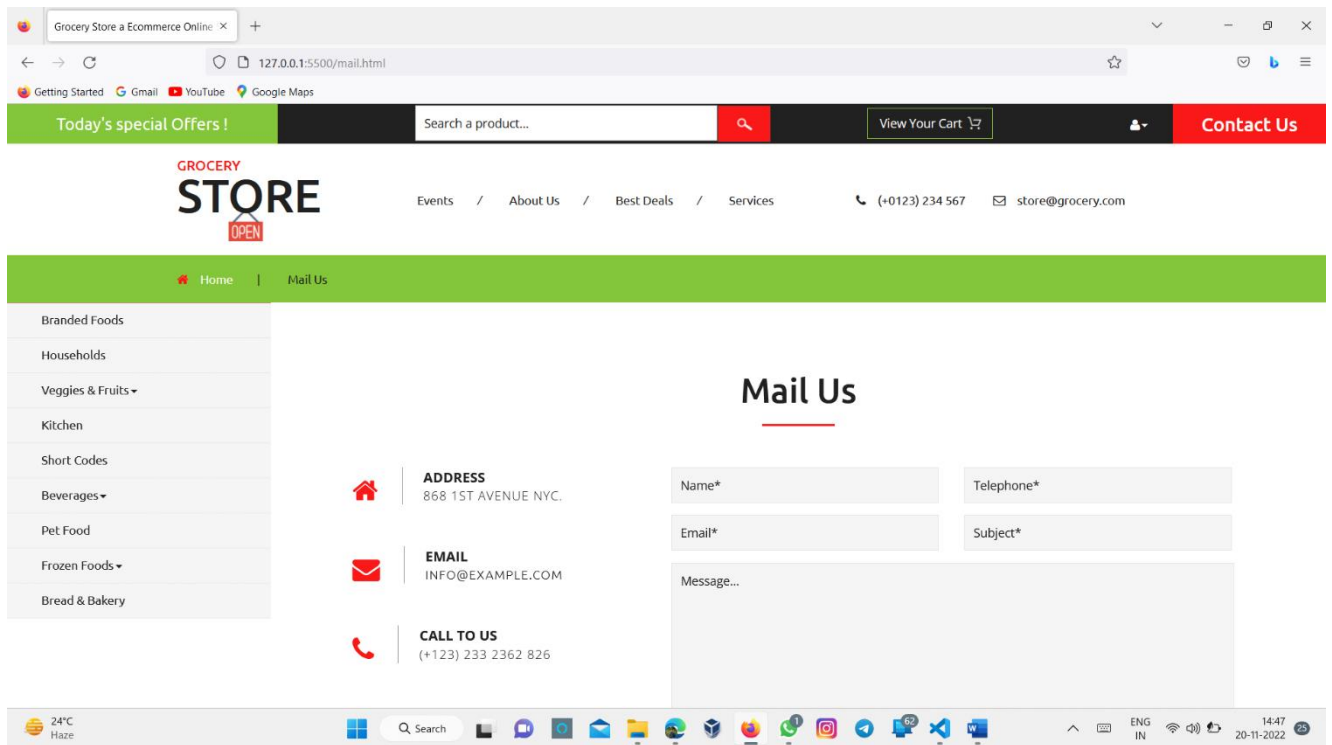
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- **Conclusion:**

I have done my internship successfully with full efforts and knowledge. I learned a lot things during the internship period. Technology is growing day by day so we need to adopt according to the change. As people needs easiest ways to develop their code different Frameworks are made. Framework made the work Very easy in terms of performance and time. So we need to think according to situation. Thank You!!!