MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Final Year Internship Report

on

Software Developer Intern at One.com

Submitted By:

Roshan Yadav

0901CS181086

Faculty Mentor:
Mr. Arun Kumar
(Assistant Professor in Department of CSE)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005 (MP) est. 1957

MAY-JUNE 2022

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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Software Developer Intern at One.com

A final year internship report submitted in partial fulfillment of the requirement for the degree of

BACHELOR OF TECHNOLOGY

in

COMPUTER SCIENCE AND ENGINEERING

Submitted by:

Roshan Yadav

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Internship Faculty Mentor:
Mr. Arun Kumar
(Assistant Professor in Department of CSE)

Submitted to:

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

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MAY-JUNE 2022

Internship Certificate Received
from

One.com - India Pvt. Ltd.

one.com

one.com India Pvt. Ltd.
Office # 2, Floor 5, Building 9, Tower A, DLF Cyber City,
DLF Phase 3, Gurgaon 122002, India
Tel: +91 124 4034589
www.one.com

HCM/COR/0522/1827 04-May-2022

Roshan Yadav
ID: INT_202104

Dear Roshan,

We congratulate you on the successful completion of 4 months internship program on Web Development learning with the "Food-ordering app project" at one.com.

Given below are details of this program –

Duration – Monday, 27-Dec-2021 to Wednesday, 04-May-2022
Project – Food-ordering app
Technology Mentor – Mr. Rachit Jain
HR anchor – Ms. Shilpa Rawat
Program mentor – Mr. Gurucharan Singh

We are happy to see your commitment put into this internship and in completing the project work successfully.

We wish you good luck for your future endeavors.

For One.Com India Pvt Ltd

Gurucharan Singh
Head of Employee Experience & Talent Acquisition, India
+91 9958700266

MADHAVINSTITUTEOFTECHNOLOGY&SCIENCE,GWALIOR

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CERTIFICATE

This is certified that **Roshan Yadav**(0901CS181086) has submitted the Internship report titled **Software Developer Intern** of the work he has done under the mentorship of**Mr. Arun Kumar**, in partialfulfillment of the requirement for the award of degree of Bachelor of Technology in Computer Science andEngineeringfromMadhav InstituteofTechnology andScience,Gwalior.

Prof.Arun Kumar 27/05/22
FacultyMentor
Assistant Professor
ComputerScienceandEngineering

27/05/2022
Dr. ManishDixit
ProfessorandHead,
ComputerScienceandEngineering

Dr. Manish Dixit
Professor & HOD
Department of C.S.E.
M.I.T.S. Gwalior

iv

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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DECLARATION

I hereby declare that the work being presented in this Internship report, for the partial fulfillment of requirement for the award of the degree of Bachelor of Technology in CSE at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of**Mr. Arun Kumar**, Department of CSE. I declare that I have not submitted the matter embodied in this report for the award of any degree or diplomaanywhere else.

Roshan Yadav
0901CS181086
IV Year,
Computer Science and Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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ACKNOWLEDGEMENT

The full semester internship has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary/interdisciplinary internship as a curriculum requirement, under the provisions of the Flexible Curriculum Scheme (based on the AICTE Model Curriculum 2018), approved by the Academic Council of the institute. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering, for allowing** me to explore this internship. I humbly thank **Dr. Manish Dixit**, Professor and Head, Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I am sincerely thankful to my faculty mentors. I am grateful to the guidance of **Mr. Arun Kumar**, Department of Computer Science and Engineering, for his continued support and close mentoring throughout the internship. I am also very thankful to the faculty and staff of the department.

Roshan Yadav
0901CS181086
IV Year,
Computer Science and Engineering

ABSTRACT

About Company

This project report describes our work for the development of "Online Food Ordering", Web application. A Food Application is a software application that helps in managing the online food ordering activities. They are large and complex and solve food-related problems to fulfill the needs of the customers. As the title suggests this is an online website which provide the food, that can be ordered online on this website. The objective of our project is to provide a better user platform to user or the people who love to order food online. We tried to provide some basic functionalities as well as more good features in this to improve the experience of user.

Organisation

One.com is Product based company in European market where they provide domain names, web hosting, shared hosting.
One.com originated from Copenhagen, Denmark but now their main office is in Sweden.
One.com has their other offices in Dubai, Germany, India, France, Italy, Netherlands, Philippines, Spain, UK.

Methodology

We follow a structured methodology for our projects which starts from designing the solution to the implementation phase. Well planned Project reduces the time to deliver the project and any additional ad-hoccosts to our clients, hence we dedicate majority of our time understanding our clients business and gather requirements. This ground up approach helps us deliver not only the solution to our clients but also add valueto your investments.

Internship Objectives

- ✓ Internships are generally thought of to be reserved for the college students only, however a wide array of people can be benefited from training.

- ✓ Internships focuses more on training and making a candidate job ready by giving him/her appropriate training in field of specialization along with real time experience by working on business problems.

- ✓ Utilizing internships is a great way to build your resume and learn new skills which are gonna help you in longer period of time making you ready for future endeavors of life, be it corporate job, freelance opportunity or personal project.

- ✓ Internship in order to make candidate aware of real world problems and implementation of solutions outside the textbook.

TABLE OF CONTENTS

Chapter 1: INTRODUCTION

We all know that how important today it is to create a website which attracts users and that should be fully responsive. So, in the whole internship duration we have been given industry level training on creating websites

1.1 Modules

1.1.1 HTML5

HTML Hypertext Markup Language (HTML) is the standard markup language for creating web pages and web applications. With Cascading Style Sheets (CSS) and JavaScript it forms a triad of cornerstone technologies for the World Wide Web. Web browsers receive HTML documents from a webserver or from local storage and render them into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document. HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects, such as interactive forms, may be embedded into the rendered page. It provides a means to create structured documents by denoting structural semantics for textsuch as headings, paragraphs, lists, links, quotes and other items.

1.1.2 CSS

CSS Cascading Style Sheets (CSS) is a style sheet language used for describing the presentation of a document written in a markup language. Although most often used to set the visual style of web pages and user interfaces written in HTML and XHTML, the language can be applied to any XML document, including plain XML, SVG , and is applicable to rendering in speech, or on other media. Along with HTML and JavaScript, CSS is a cornerstone technology used by most websites to create visually engaging webpages, user interfaces for web applications, and user interfaces for many mobile applications. CSS is designed primarily to enable the separation of presentation and content, including aspects such as the layout, colors, and fonts.

1.1.3 JavaScript

JavaScript (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-classfunctions. While it is most well-known as the scripting language for Web pages, many non-browser
environments also use it, such as Node.js, CouchDB . JavaScript is a
prototype-based, multi-paradigm, single-threaded, dynamic language, supporting object-oriented, imperative,and declarative (e.g. functional programming) styles. Read more about JavaScript.

This section is dedicated to the JavaScript language itself, and not the parts that are specific to Web pages orother host environments. For information about API specifics to Web pages, please see Web APIs and DOM.

Do not confuse JavaScript with the Java programming language. Both "Java" and "JavaScript" are trademarksor registered trademarks of Oracle in the U.S. and other countries. However, the two programming languages have very different syntax, semantics, and use.

1.1.4 React

React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta (formerly Facebook) and a community of individual developers and companies. React can be used as a base in the development of single-page, mobile,or server-rendered applications with frameworks like Next.js. However, React is only concerned with state management and rendering that state to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

1.1.5 Redux

Redux is an open-source JavaScript Library for managing and centralizing application state. It is most commonly used with libraries such as React or Angular for building user interfaces.
Redux act as a main store for storing data.
Need of redux is to reduce the props drilling.

1.1.6 Context API

The Context API can be used to share data with multiple components, without having to pass data through props manually. For example, some use cases the Context API is ideal for: theming, user language,authentication,etc

2. REQUIREMENT ANALYSIS: (SDLC Model Approach)

Phase 1: Requirement collection and analysis

As a part of the standard protocol, we will create a static prototype of the website which will be non –working. This prototype will give you an idea of how the actual website will look like.

Phase 2: Design

In this third phase, the system and software design documents are prepared as per the requirement specification document. This helps define overall system architecture. We will appoint a designer to provide auser friendly, eye catchy design to your project. To ensure a top-quality design you can give any referencewebsite or template. This will help us to visualize the requirement and help us to provide the website of yourchoice.

Phase 3: Coding

Once the system design phase is over, the next phase is coding. In this phase, developers start to build theentire system by writing code using the chosen programming language.

Phase 4: Testing

Once the software is complete, it will be deployed in the testing environment. The testing team starts testing the functionality of the entire system. This will be done to verify that the entire application works according toyour requirement. During this phase, the QA and testing team may find some bugs/defects which they will communicate to our developers. The development team will fix the bug and send it back to QA for a re-test.This process will continue until the software is bug-free, stable, and working according to your business needs.

3. SYSTEM REQUIREMENT SPECIFICATION

3.1 System configurations

The software requirement specification can be produced at the culmination of the analysis task.The function and performance allocated to software as part of system engineering are refined by established a complete information description, a detailed functional description, a representation of system behavior, and indication of performance and design constraints, Appropriate validate criteria, and other information pertinent to requirements.

3.2 Hardware Requirements:

The selection of hardware is very important in the existence and proper working of anysoftware. When selecting hardware, the size and requirements are also important.

- Processor - Intel CORE i3
- RAM - 4.0 GB
- Hard Disk Drive - 500 GB

3.3 Software Requirement:

Windows 7,8,10.
HTML/CSS/ JavaScript.
React
Redux.

3.4 Data Storage

- The customer's web browser shall never display a customer's password. It shallalways be echoed with special characters representing typed characters.
- The system's back-end servers shall only be accessible to authenticatedadministrators.

The system's back-end databases shall be encrypted

Chapter 4 : Technologies used during internship

Data Science comprises of a multitude of technologies. It consists of various roles, which work at various levels, incorporating various technologies, helping world manage their data in an effective and efficient way. Following are the technologies used in Data Science.

Basics:

1: HTML

2: CSS

3: JavaScript

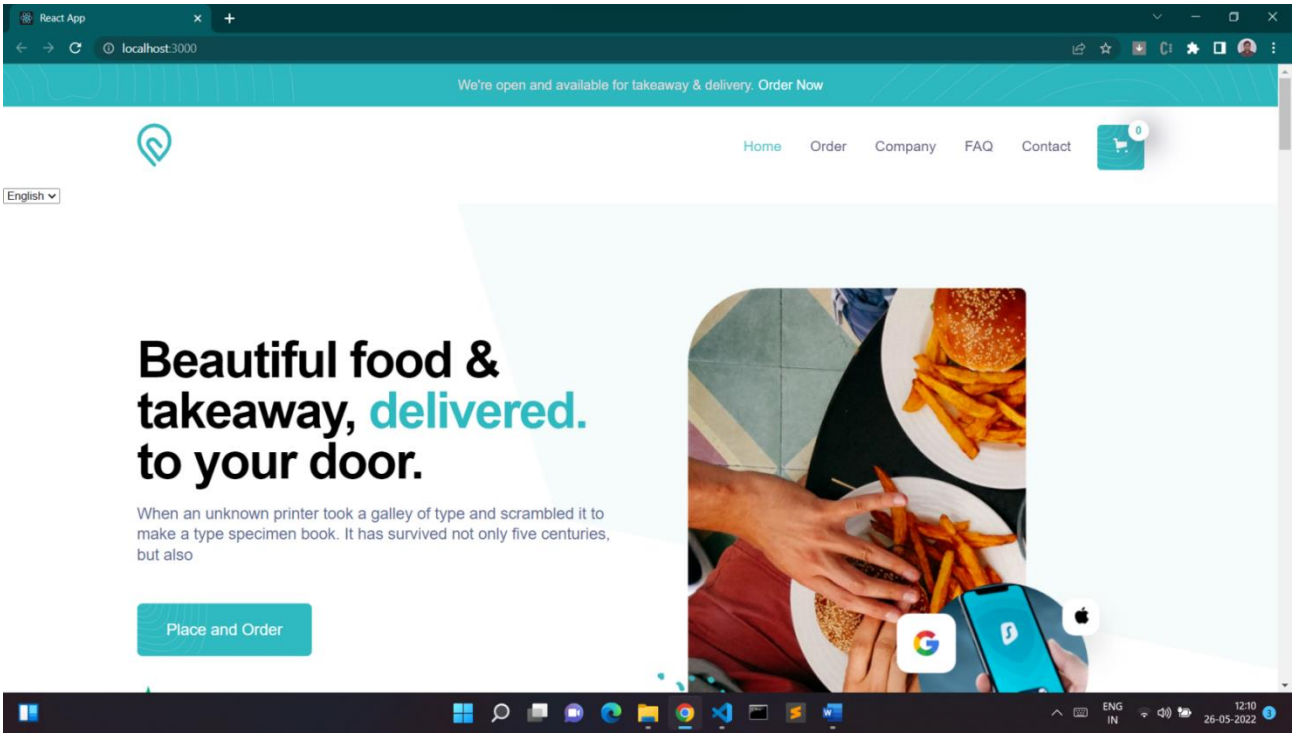
4: React

5: Redux

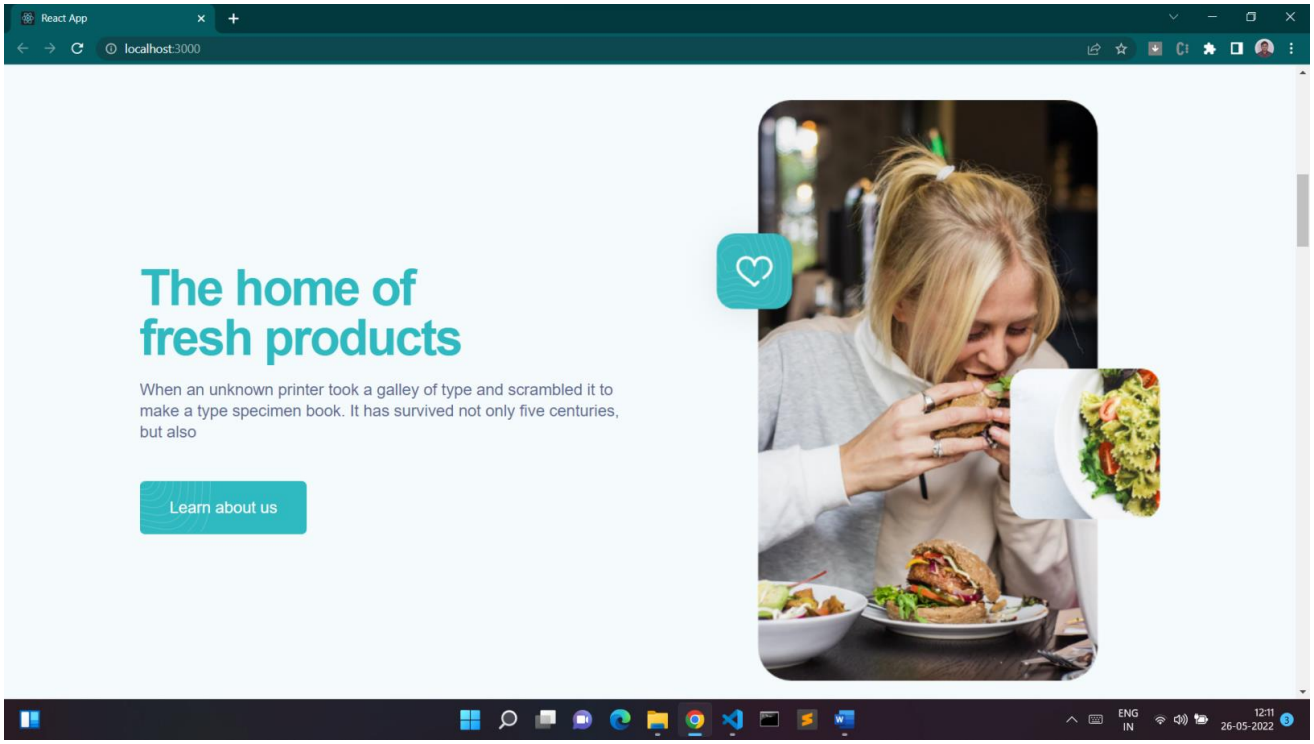
6: Context API

Chapter 5 : Work done during internship (Screenshots)

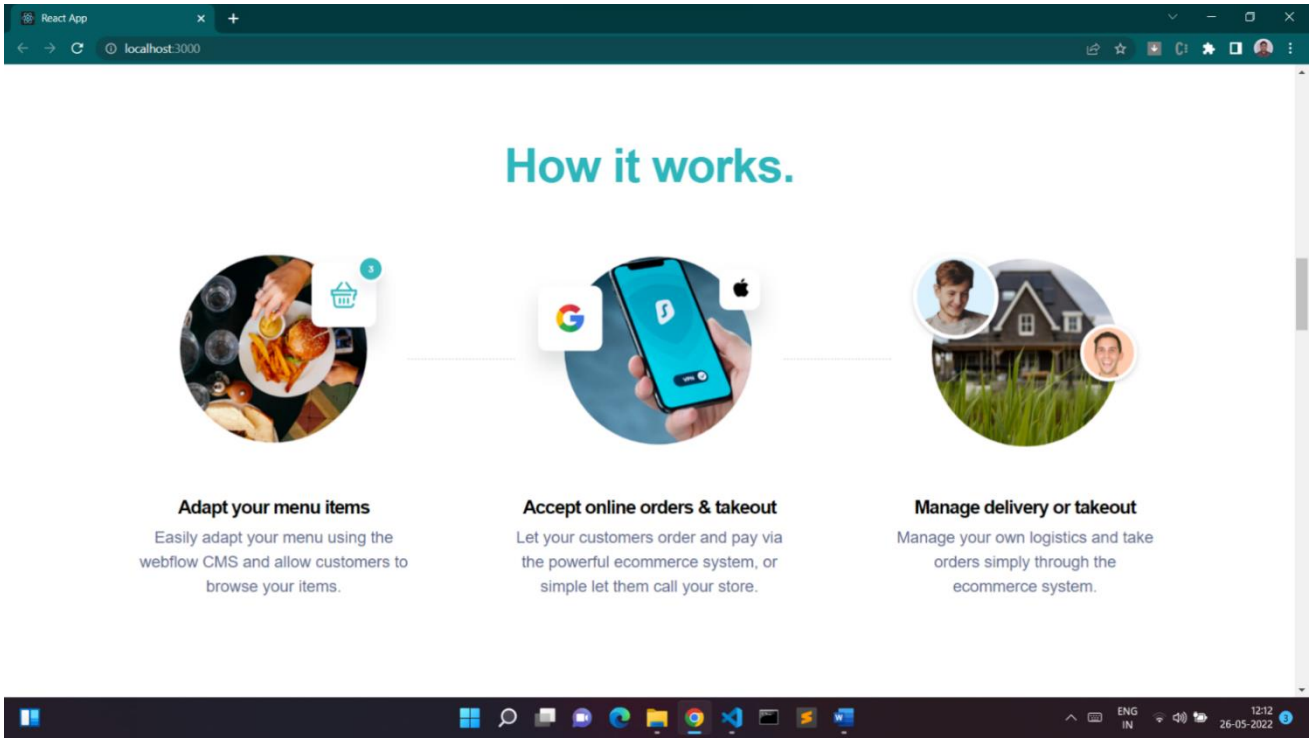
5.1 Screenshot 1



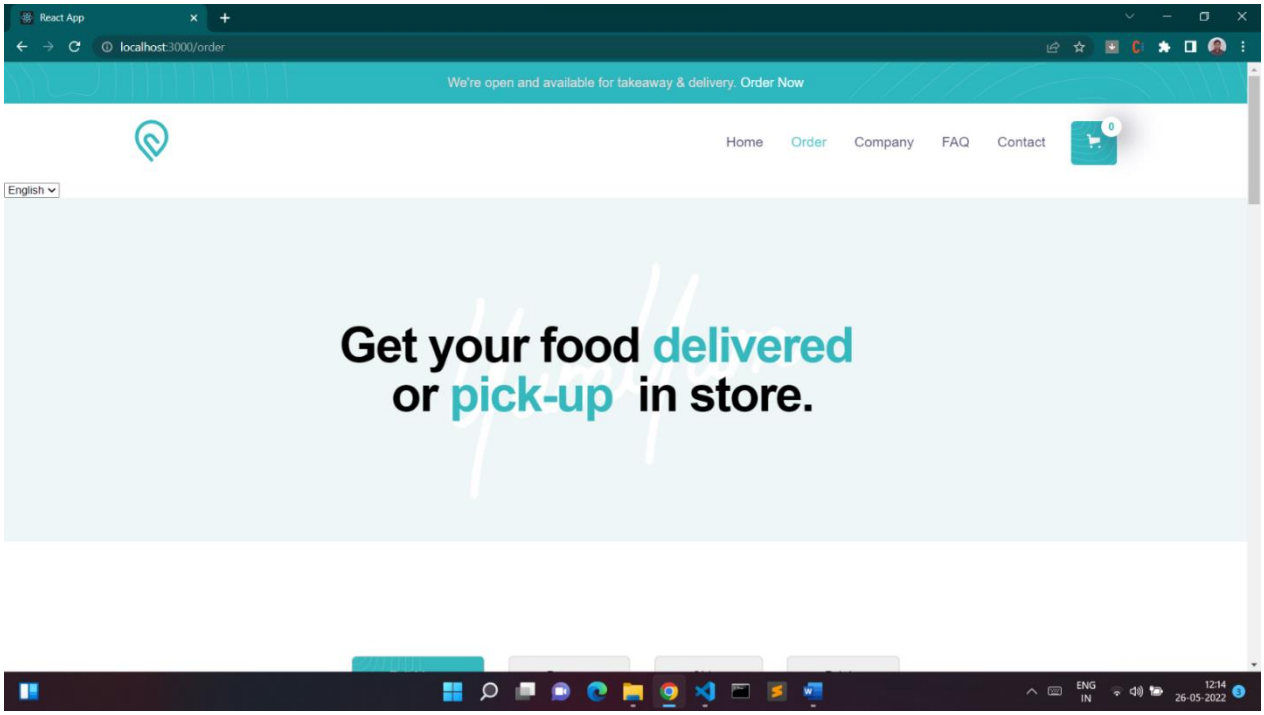
5.2 Screenshot 2



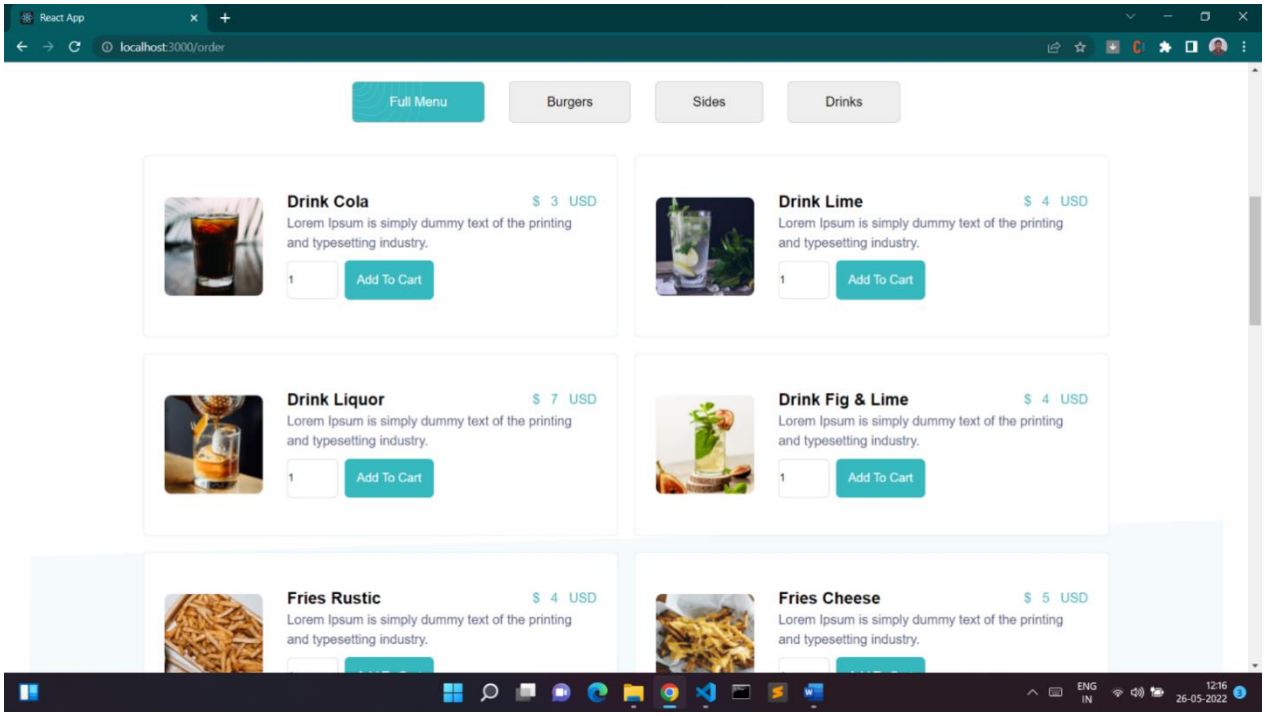
5.3 Screenshot 3



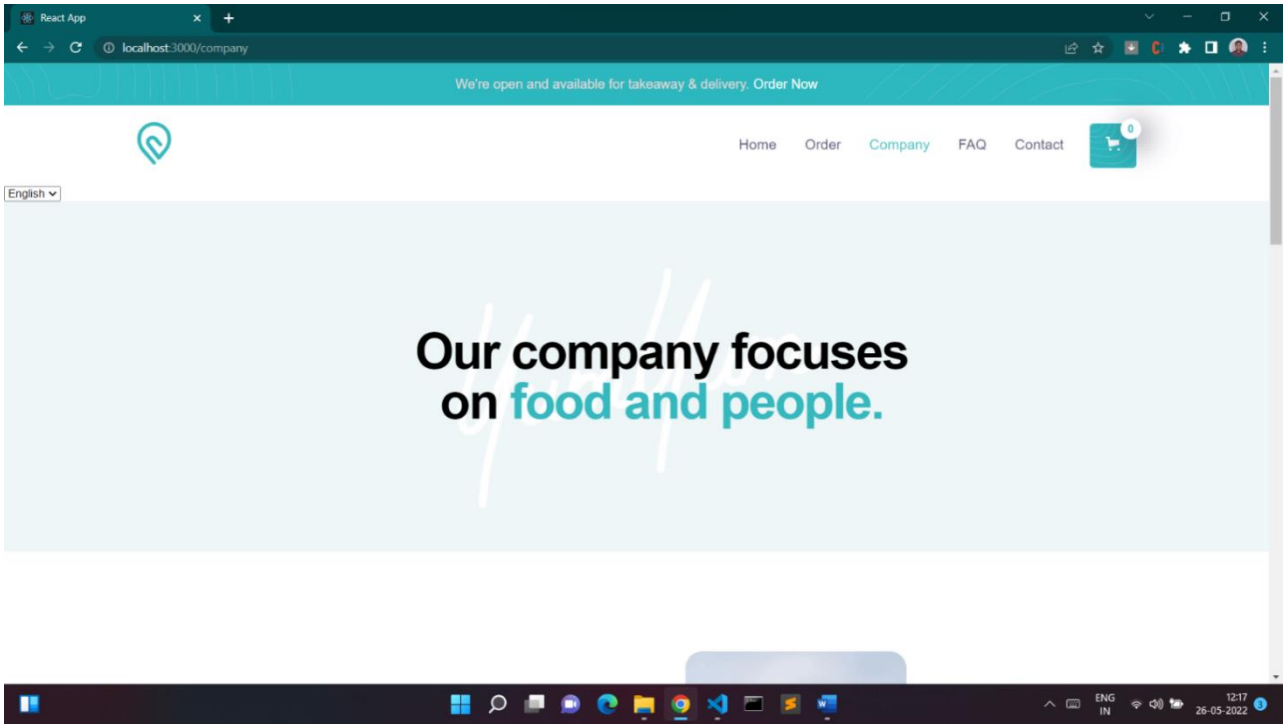
5.4 Screenshot 4



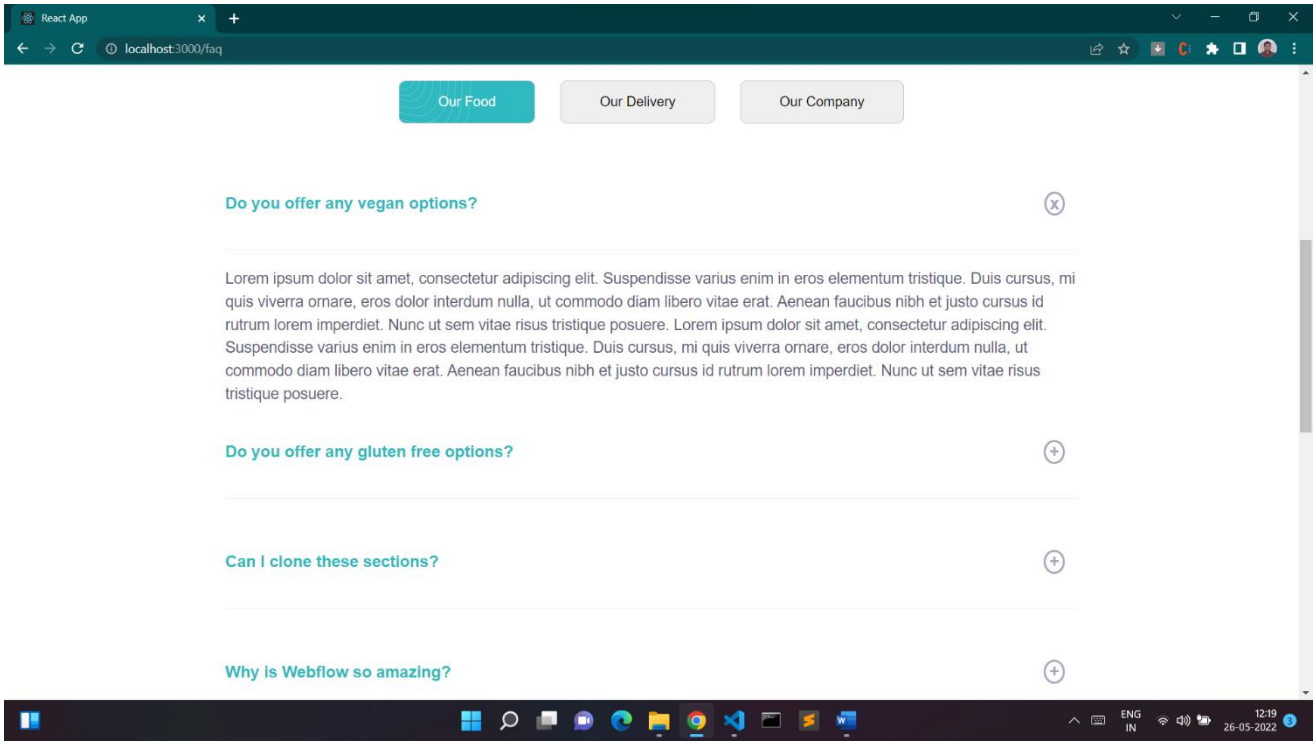
5.5 Screenshot 5



5.6 Screenshot 6



5.7 Screenshot 7



References

HTML,CSS, JS: - www.w3schools.com
JS **Advanced Concepts:-** www.stackoverflow.com
React,Redux:- www.udemy.com