

حَمْدُ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

International Islamic University Chittagong



Department of Computer Science and Engineering

PROJECT REPORT

Project Title:

TiffinTrolley - *Fresh Meals, Fast Wheels*

Team Name: Gremlin Storm

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1.Introduction

The demand for fresh, healthy, and fast food delivery services has been growing exponentially in recent years. People increasingly look for meal solutions that save time without sacrificing quality. On the other hand, local food vendors often struggle to connect with customers in a streamlined, user-friendly way. TiffinTrolley, a web-based platform, aims to bridge this gap. It will provide a dynamic space where customers can find curated meal options tailored to their preferences, while food vendors can efficiently reach their target customers. The platform will ensure a secure, personalized, and seamless food delivery experience for both customers and vendors.

2.Project Overview

TiffinTrolley is an innovative front-end solution designed to connect users with reliable food delivery services. The platform emphasizes a user-friendly interface, personalized recommendations, and real-time delivery tracking to enhance the overall user experience.

3.Tools and Technologies

- Development Tools: HTML5, CSS3, JavaScript, React.js
- Design Tools: Figma, Adobe XD for UI/UX prototyping
- Frameworks: Bootstrap or Tailwind CSS for responsive design

4. Why We Chose This Project

- Addressing the rising demand for online food ordering solutions in Bangladesh.
- Providing an easy-to-use platform to connect customers with local restaurants.
- Supporting the growing e-commerce industry and improving accessibility.
- Encouraging job creation through delivery personnel hiring.
- Aligning with personal goals to innovate in the local food industry.

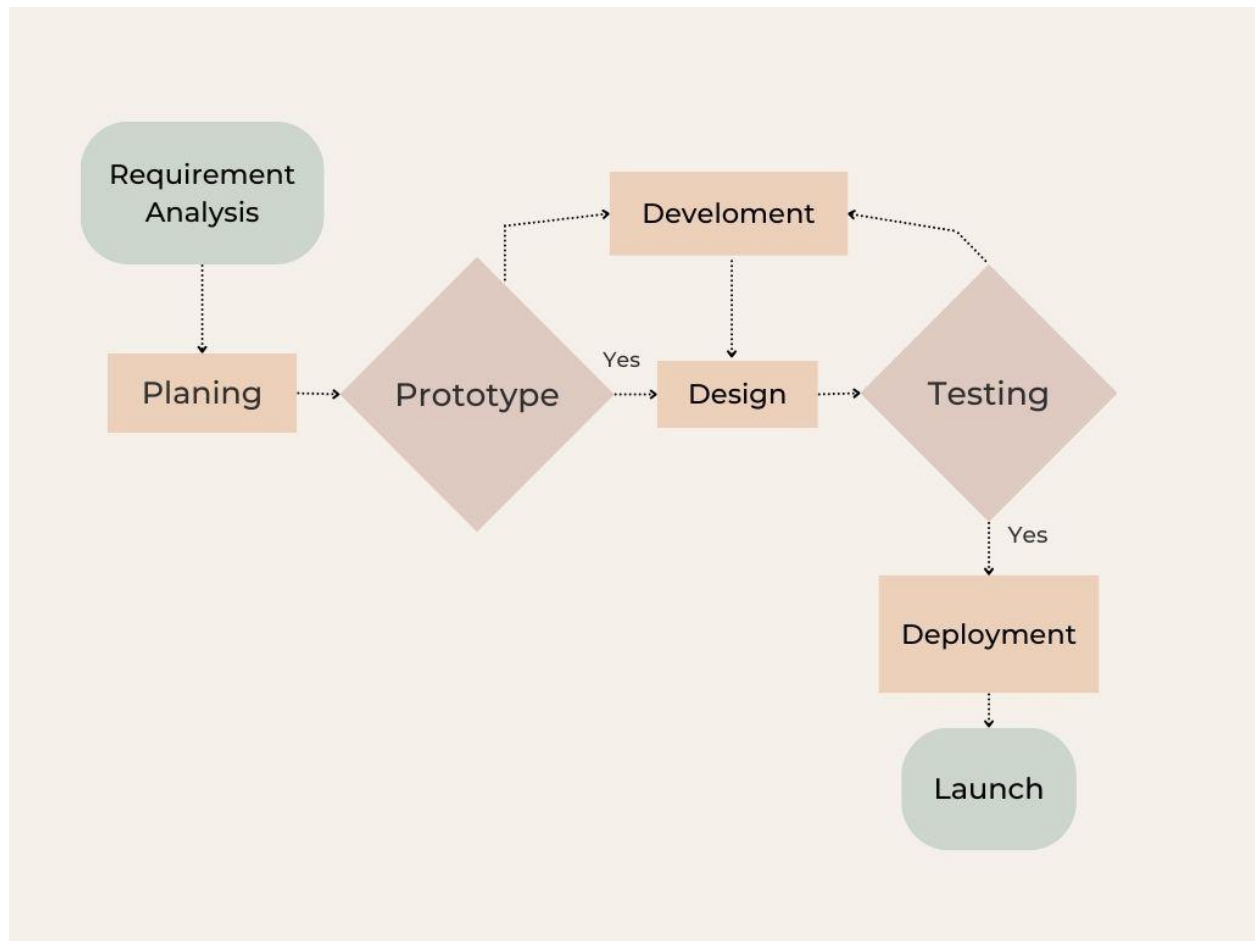
5. Benefits of React.js

- Component-based architecture allows for a dynamic and interactive user interface.
- Simplifies development with reusable components.
- Ensures excellent performance and responsiveness for users.

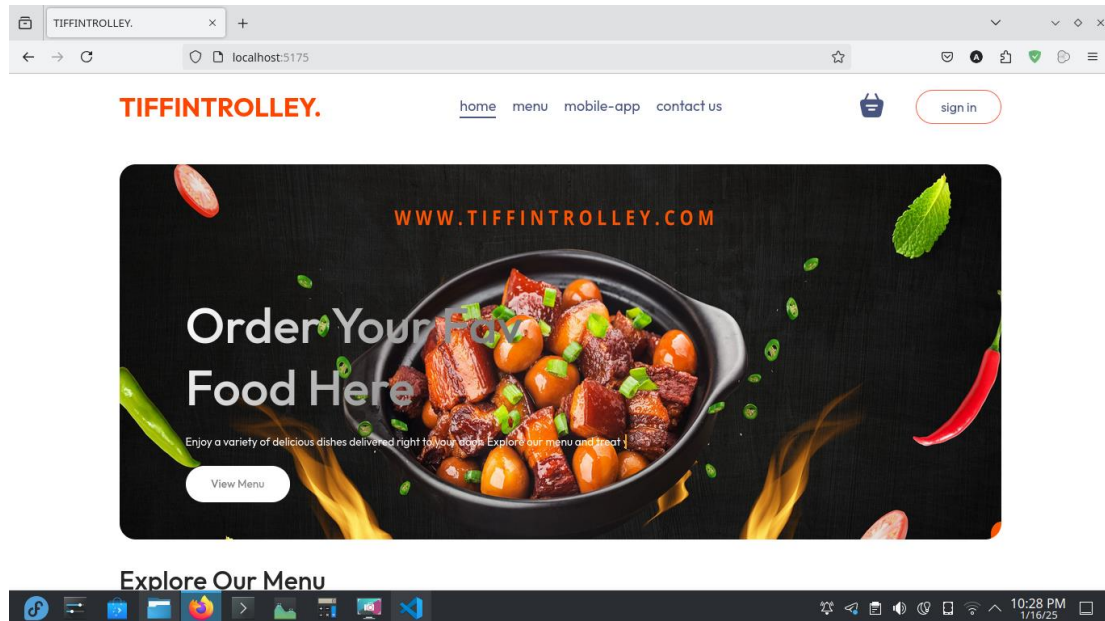
6. Feature

- Designing and implementing the website's front-end interface.
- Integrating APIs for real-time order tracking and secure payment processing.
- Ensuring mobile-first design principles for enhanced accessibility.
- Testing and optimizing the website for speed and usability.

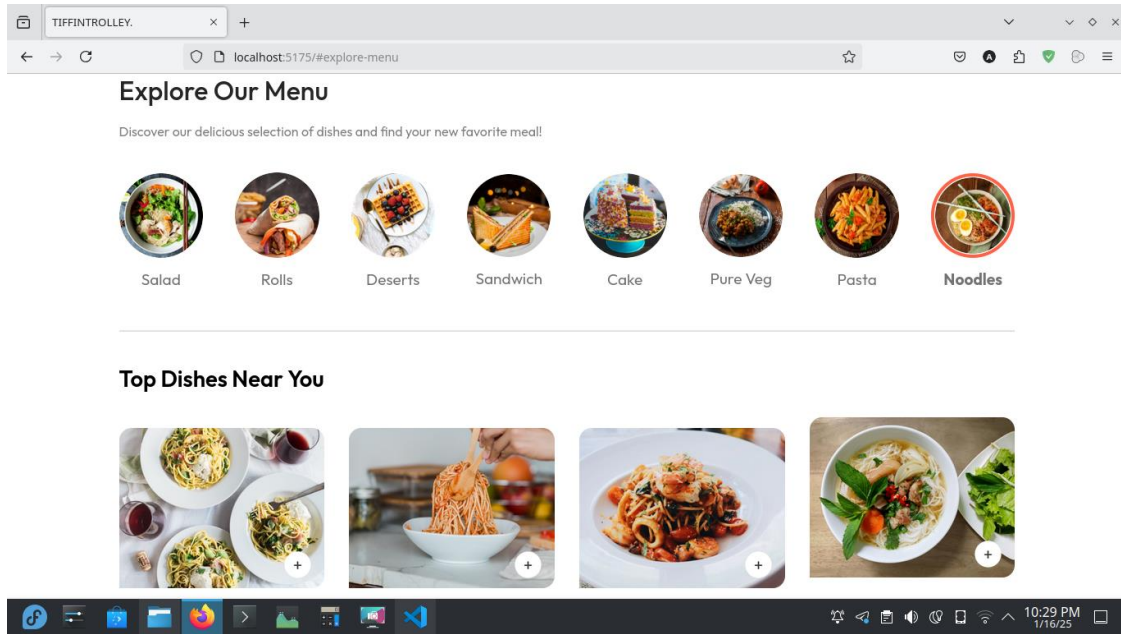
7.FLOWCHART



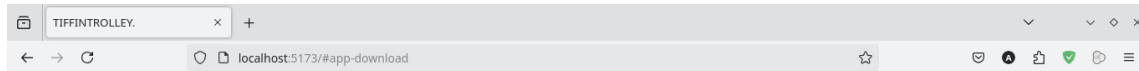
8.Result & Code



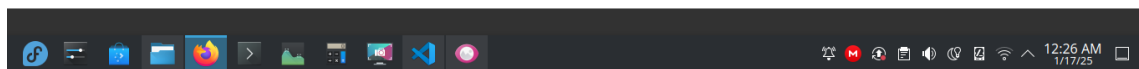
NavBar And Home



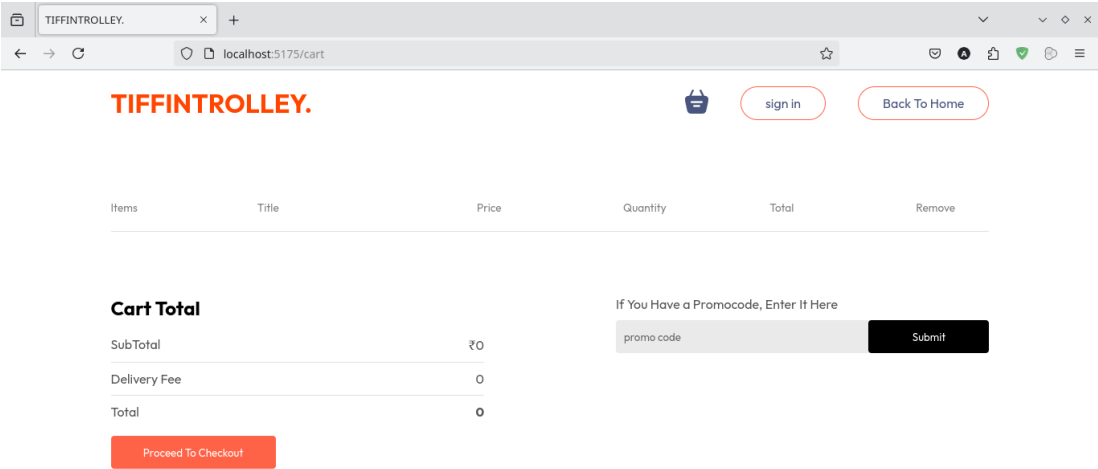
Our Menu



For a Better Experience, Download
TIFFINTROLLEY App



DownLoad Our App



Cart



Footer

The screenshot shows the Visual Studio Code editor with the file 'Navbar.js' open. The code defines a functional component 'Navbar' that uses 'React', 'useContext', 'useState', 'Link', and 'StoreContext'. It includes a 'setShowLogin' function and a 'menu' state. The component returns a JSX element with a 'div' containing a 'Link' to the home page and a 'Link' to the explore menu. The file explorer on the left shows the project structure, including 'src', 'components', 'Footer', 'Navbar', 'Cart', 'Home', 'App', 'index', and 'main'.

```
src > components > Navbar > Navbar.js
1  import React, { useContext, useState } from "react";
2  import "../Navbar.css";
3  import { assets } from "../../assets/assets";
4  import { Link } from "react-router-dom";
5  import { StoreContext } from "../../context/StoreContext";
6
7  const Navbar = ({ setShowLogin }) => {
8    const [menu, setMenu] = useState("home");
9    const { getTotalCartAmount } = useContext(StoreContext);
10
11    return (
12      <div className="navbar" id="navbar">
13        <Link to="/">
14          { " " }
15          </Link>
16        <img src={assets.logo} alt="" className="logo" />
17        <h1 className="navlogo">TIFFINTROLLEY</h1>
18        <Link>
19          <ul className="navbar-menu">
20            <li>
21              <Link
22                to="/"
23                onClick={() => setMenu("home")}
24                className={menu === "home" ? "active" : ""}>
25                home
26              </Link>
27            </li>
28            <li>
29              <Link
30                href="#explore-menu"
31                onClick={() => setMenu("menu")}
32                className={menu === "menu" ? "active" : ""}>
33                explore
34              </Link>
35            </li>
36          </ul>
37        </div>
38      </div>
39    );
40  };
41  export default Navbar;
```

Navbar

The screenshot shows the Visual Studio Code editor with the file 'AppDownload.js' open. The code defines a functional component 'AppDownload' that returns a JSX element with a 'div' containing a 'p' with the text 'For a Better Experience, Download' and two 'img' tags for the Play Store and App Store. The file explorer on the left shows the project structure, including 'src', 'components', 'Footer', 'Navbar', 'Cart', 'Home', 'App', 'index', and 'main'.

```
src > components > AppDownload > AppDownload.js
1  import React from "react";
2  import "../AppDownload.css";
3  import { assets } from "../../assets/assets";
4
5  const AppDownload = () => {
6    return (
7      <div className="app-download" id="app-download">
8        <p>
9          For a Better Experience, Download <br />
10          TIFFINTROLLEY App
11        </p>
12        <div className="app-download-platforms">
13          <img src={assets.play_store} alt="Play Store" />
14          <img src={assets.app_store} alt="App Store" />
15        </div>
16      </div>
17    );
18  };
19  export default AppDownload;
```

App DownLoad

```
Footer.jsx - Tomato-main - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER
TOMATO-MAIN
src
components
AppDownload.jsx
AppDownload.css
ExploreMenu
FoodDisplay
FoodDisplay.css
FoodItem
FoodItem.css
Footer
Footer.css
Footer.jsx
Header
Header.css
Header.jsx
LoginPopup
Navbar
Navbar.css
Navbar.jsx
context
pages
Cart
.gitignore
index.html
OUTLINE
TIMELINE

Footer.jsx
1 import React from "react";
2 import { assets } from "../../assets/assets";
3 import './Footer.css'
4
5 const Footer = () => {
6   return (
7     <div className="footer" id="footer">
8       <div className="footer-content">
9         <div className="footer-content-left">
10           <h1 className="navlogo">TIFFINTROLLEY.</h1>
11           <p>
12             Experience delicious food, delivered fast.
13           </p>
14           <div className="footer-social-icons">
15             <img src={assets.facebook_icon} alt="" />
16             <img src={assets.twitter_icon} alt="" />
17             <img src={assets.linkedin_icon} alt="" />
18           </div>
19         </div>
20         <div className="footer-content-center">
21           <h2>Company</h2>
22           <ul>
23             <a href="#navbar"><li>Home</li></a>
24             <li>About Us</li>
25             <li>Delivery</li>
26             <li>Privacy Policy</li>
27           </ul>
28         </div>
29         <div className="footer-content-right">
30           <h2>Get In Touch</h2>
31           <ul>
```

Footer

```
Cart.jsx - Tomato-main - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER
TOMATO-MAIN
src
components
Header
Header.css
Header.jsx
LoginPopup
Navbar
Navbar.css
Navbar.jsx
context
pages
Cart
Cart.css
Cart.jsx
Home
Home.css
Home.jsx
PlaceOrder
App.css
App.jsx
index.css
main.jsx
.gitignore
index.html
OUTLINE
TIMELINE

Cart.jsx
1 import React, { useState,useContext } from "react";
2 import './Cart.css';
3 import { StoreContext } from "../../context/StoreContext";
4 import { useNavigate } from "react-router-dom";
5 import { Link } from "react-router-dom";
6 import { assets } from "../../assets/assets";
7 import LoginPopup from "../../components/LoginPopup/LoginPopup";
8
9 const Cart = () => {
10   const { cartItems, food_list, removeFromCart, getTotalCartAmount } =
11     useContext(StoreContext);
12   const [bhowLogin,betShowLogin]=useState(false);
13
14   const navigate = useNavigate();
15
16   return (
17     <>
18       {bhowLogin ? <LoginPopup setShowLogin={betShowLogin}/> : <<<>}
19       <div className="cart">
20         <div className="cart-to-home navbar">
21           <Link to="/">
22             (" ")
23           <h1 className="navlogo">TIFFINTROLLEY.</h1>
24         </Link>
25         <div className="navbar-right">
26           <div className="navbar-search-icon">
27             <Link to="/cart">
28               <img src={assets.basket_icon} alt="" />
29             </Link>
30           <div className={(!getTotalCartAmount() ? "" : "dot")}></div>
31         </div>
```

Cart

```
1 import React from 'react';
2 import './ExploreMenu.css';
3 import { menu_list } from '../assets/assets';
4
5 const ExploreMenu = ({ category, setCategory }) => {
6   return (
7     <div className='explore-menu' id='explore-menu'>
8       <h1>Explore Our Menu</h1>
9       <p className='explore-menu-text'>
10        Discover our delicious selection of dishes and find your new favorite meal!
11      </p>
12      <div className='explore-menu-list'>
13        {menu_list.map((item, index) => {
14          return (
15            <div
16              key={index}
17              onClick={() => setCategory(item.menu_name)} // Using item.menu_name for consistency
18              className={`explore-menu-list-item ${category === item.menu_name ? 'active' : ''}`} // Consistent ch
19            >
20              <img src={item.menu_image} alt={item.menu_name} />
21              <p>{item.menu_name}</p> {/* No need for the additional className check */}
22            </div>
23          );
24        })}
25      </div>
26    </div>
27  );
28 }
29
30 export default ExploreMenu;
```

Menu

9. Conclusion

TiffinTrolley is poised to revolutionize food delivery with its user-centric features and intuitive design. By focusing on personalization, reliability, and real-time engagement, the platform is expected to become a preferred choice for users.