

EcoShopper: Final Project Report

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University of Windsor | Group 5

Windsor, ON

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Acknowledgement

The accomplishment of EcoShopper benefits from the help and direction from our professor - Dr. Ziad Kobti and a few online resources, which were of great help. The project was done jointly by Alina Noor, Ali Soud, Dhvani Patel, Nandini Patel, Shahid Hamid. Ali Soud and Nandini Patel were assigned the task to create a dynamic home page and linking products functionality using frontend and backend technologies.(HTML, CSS, JavaScript, React JS , PHP). Alina Noor, Dhvani Patel, Shahid Hamid were assigned to work on creating 10 static pages using frontend technologies, setting up database (Firebase) , user authentication, testing, debugging.

Abstract

The problem our team aims to address with the EcoShopper project, an e-commerce site, is to provide an online shopping platform where users can find products that are environmentally friendly. Our application is scalable because it can be used in 50 different countries with unique and similar items. EcoShopper also has used several live datasets in order to support more products. To continue, there are some comparable services in existence today. Our application provides a mixed shopping experience as well as options worldwide, almost like a universal brand.

Our products are ethically sourced and eco-friendly which would ensure there is no harm caused to the environment for their production. Also, different countries would be able to show their different products available in particular countries.

Category	Details
1. Language used	HTML5, CSS3, Bootstrap, JavaScript, PHP
2. Libraries/Frameworks/API	Node.js, React.js, Express, Google API, Firebase, MySQL, JSON
3. Multimedia used	10 images, 2 videos, 1 map
4. Menu Items	Main menu [About us, contact us, TAC, FAQs], country menu[20 countries], items menu[add, remove]
5. User Registration & Authentication	Users are able to register themselves using sign in form and would be able to login back when needed. The authentication is done using Firebase.
6. 50 Unique Dynamic pages	Products are displayed on the homepage which are directly loaded from either JSON file or live dataset. Unique dynamic pages are loaded when a user clicks on the individual product. The user is directly to a new page where all the product information is outlined in more detail. There are 50 products so, there are 50 dynamic pages.
7. 10 static pages	The 10 different static page are : login, sign in, about-us, contact-us, TAC, FAQs which has inbuilt four different pages, orders, delivery, account, return & refunds
8. Link to main site homepage	N/A but screenshots attached at the end of the report!

9. Public or private functionality	Public functionality is available for customers who are using EcoShopper to browse or purchase products. Private functionality is enabled for specific users. In Firebase login, we have assigned specific email that are able to make changes to the product information
10. Documentation	Doc
11. Search Engine optimization features	Through our backend and frontend code, we have added meta tags like keywords to ensure that our website can appear when users search environment friendly e-commerce sites. There was also use of Google Analytics to track the traffic of the site and learn what users read. With the help of that, we were able to better optimize our site.
12. Responsive on mobile or other platforms	To ensure responsiveness on all sites and mobile, Bootstrap classes were used i.e. col-md-6 and setting just either width or height (to ensure it resizes on mobile or different screen size)
13. End-user training	Added instructions with images to demonstrate how to use the website
14. Enable switching 3 templates	React styled components - themeToggler
15. Database Used	Firebase
16. Data records and manipulation	Products are stored in a JSON file and user accounts in Firebase

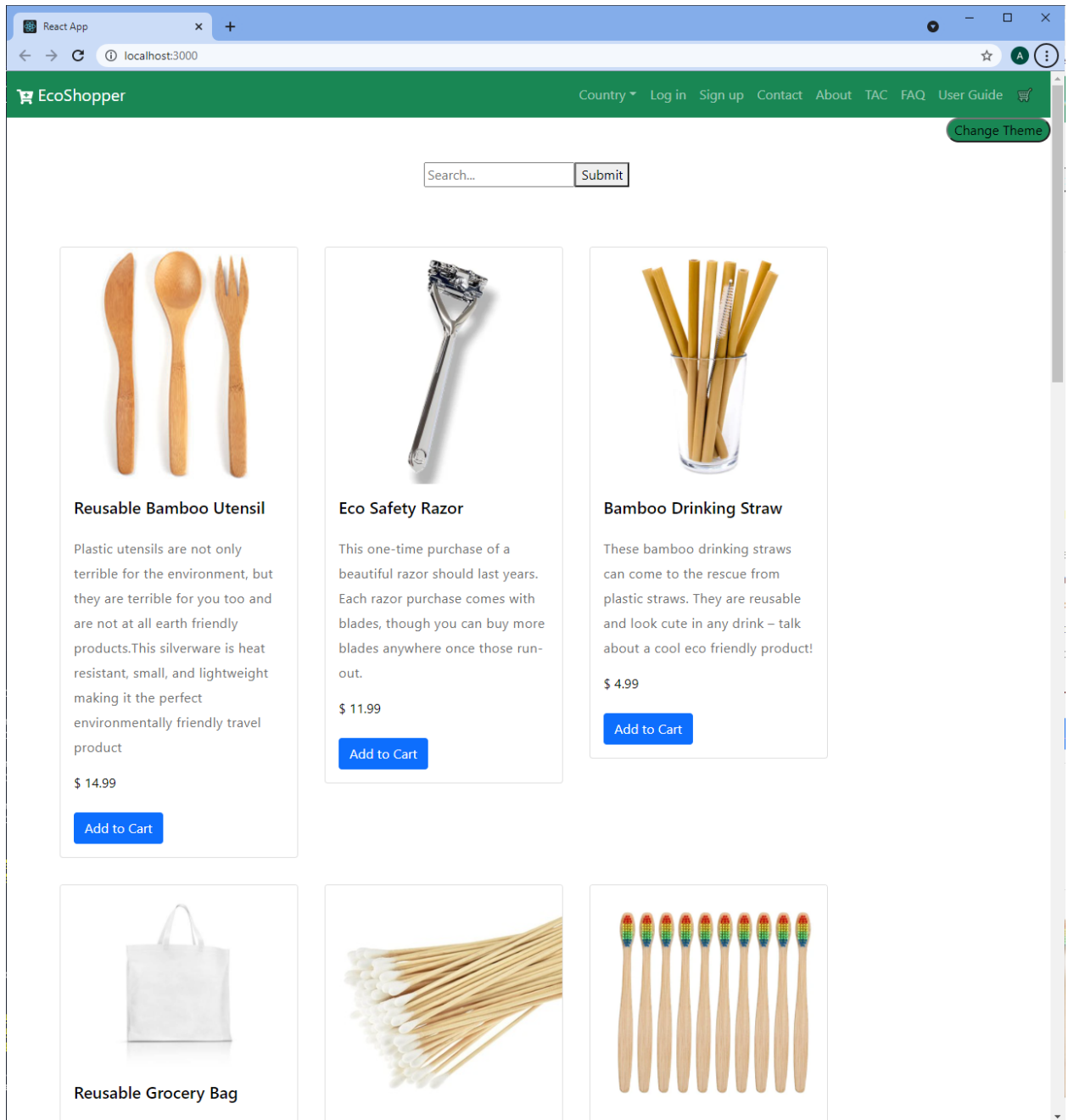
17. User management	Firebase
18. Admin documentation	
19. monitor	

20. DB records	MySQL
21. Open dataset	mockAPI
22. PHP	We use PHP for creating contact-us form, and for backend interface
23. Additional language/framework	React.js, express,
24. Software repository	https://github.com/Noor-Alina/EcoShopper
25. Installation and Deployment	AWS
26. Accessibility	
27. Mark-up validation service	
28. Testing	Google Lighthouse, SonarQube, validation functions
29. Team Management	GitHub's project management
30. Overall completeness error free site	

THANK YOU !

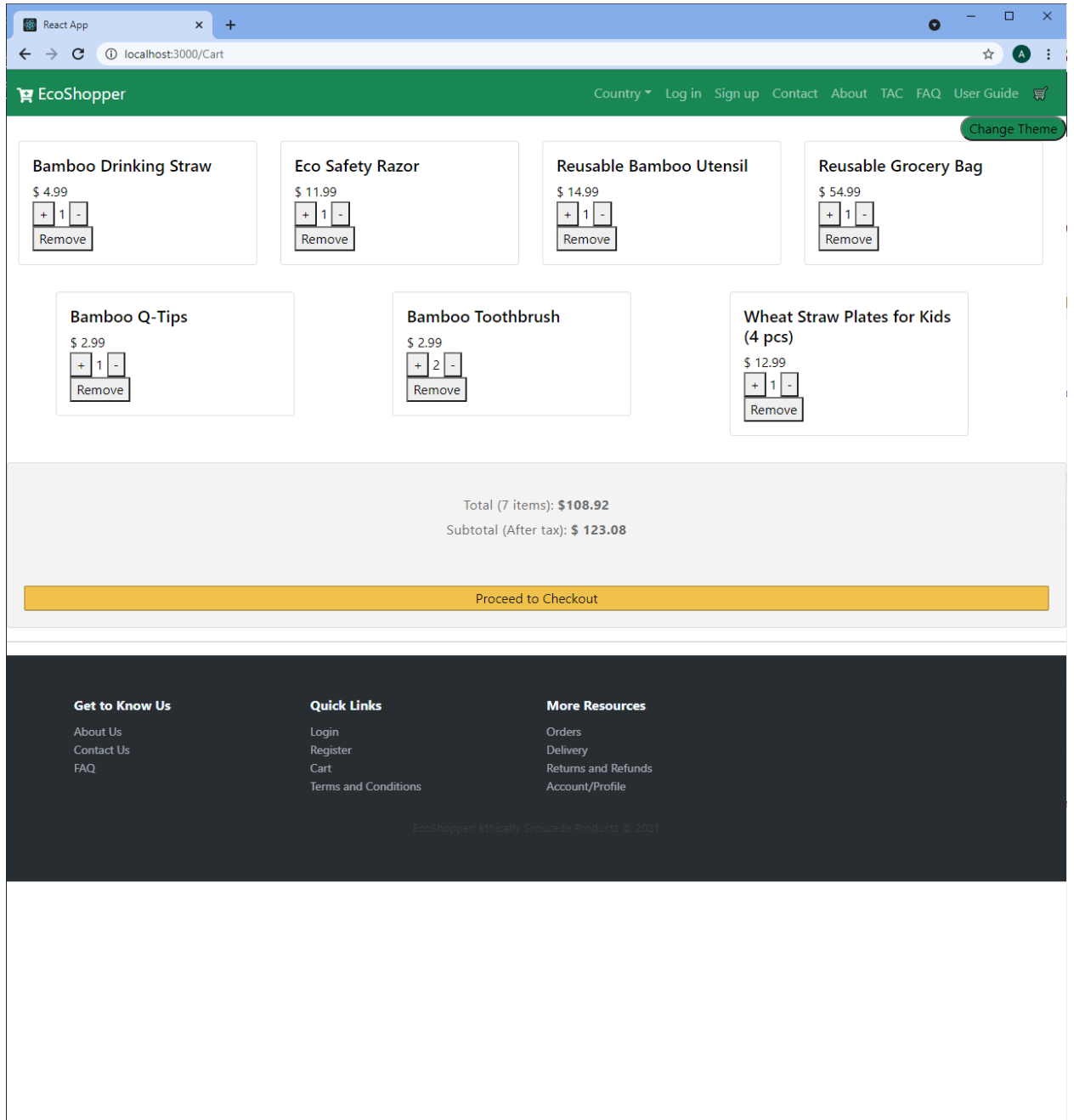
8- [Link to main site homepage](#)

Ethically Sourced Products



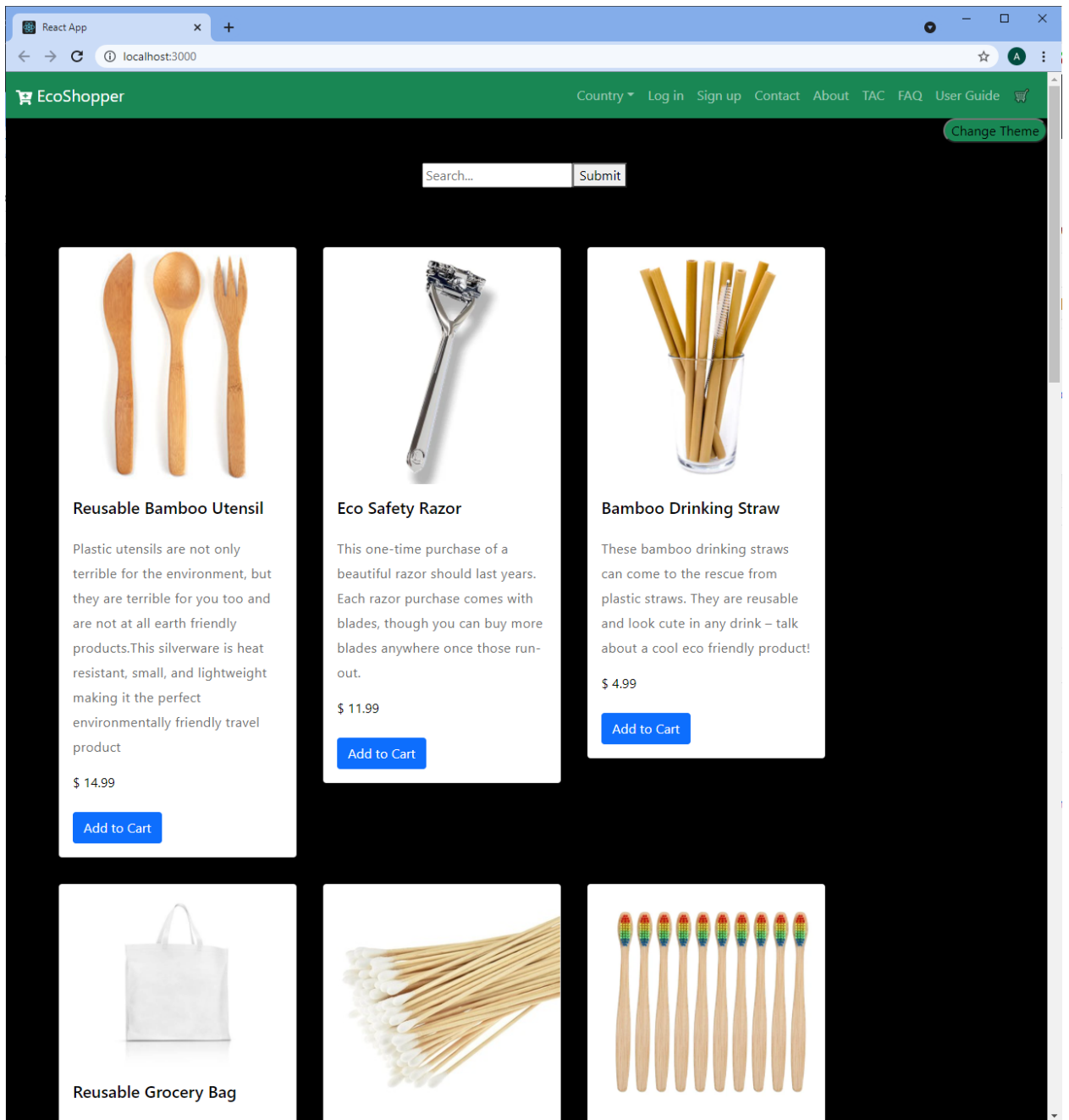
Cart Functionality(dynamic)

Ethically Sourced Products

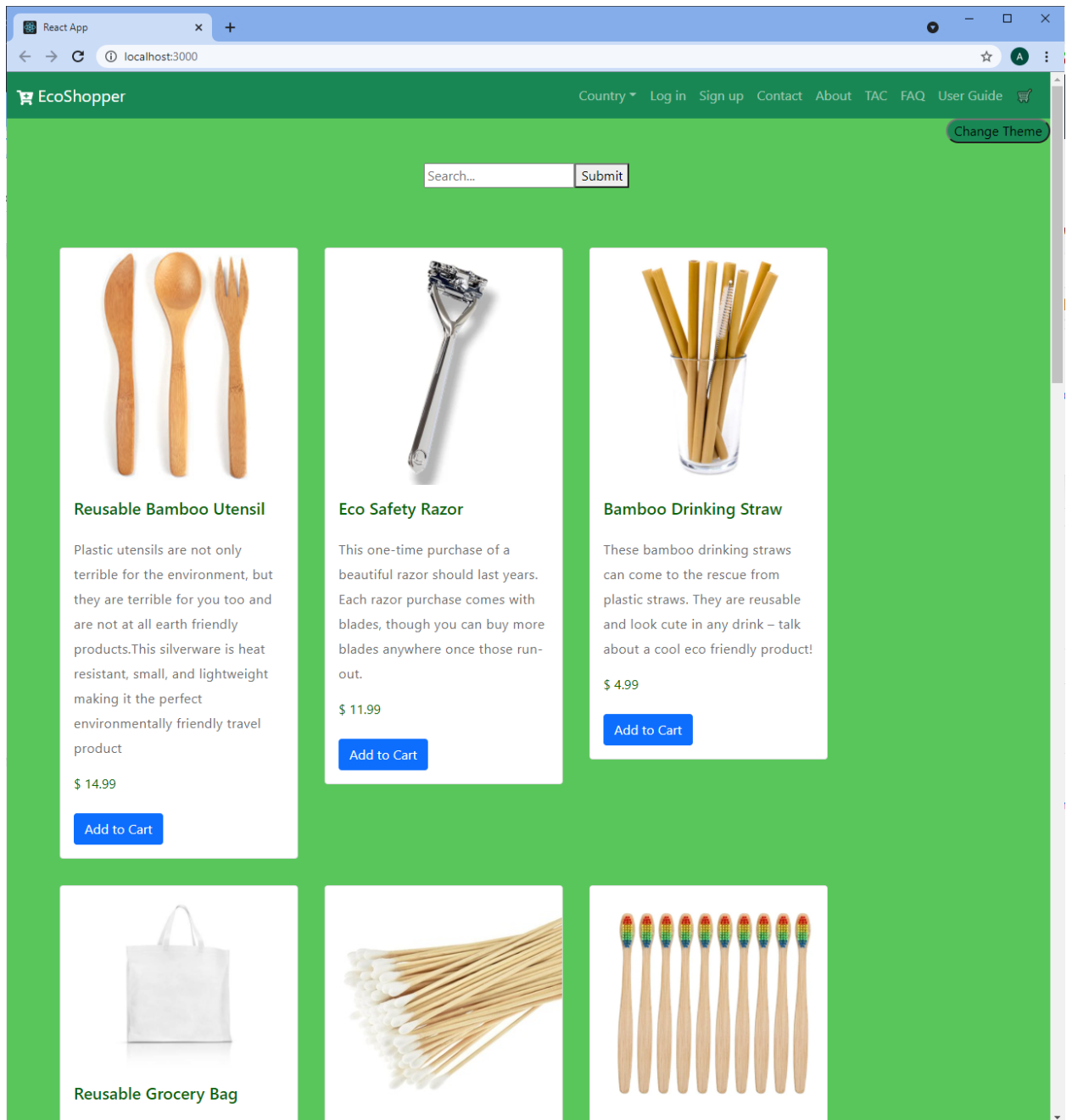


Themes:

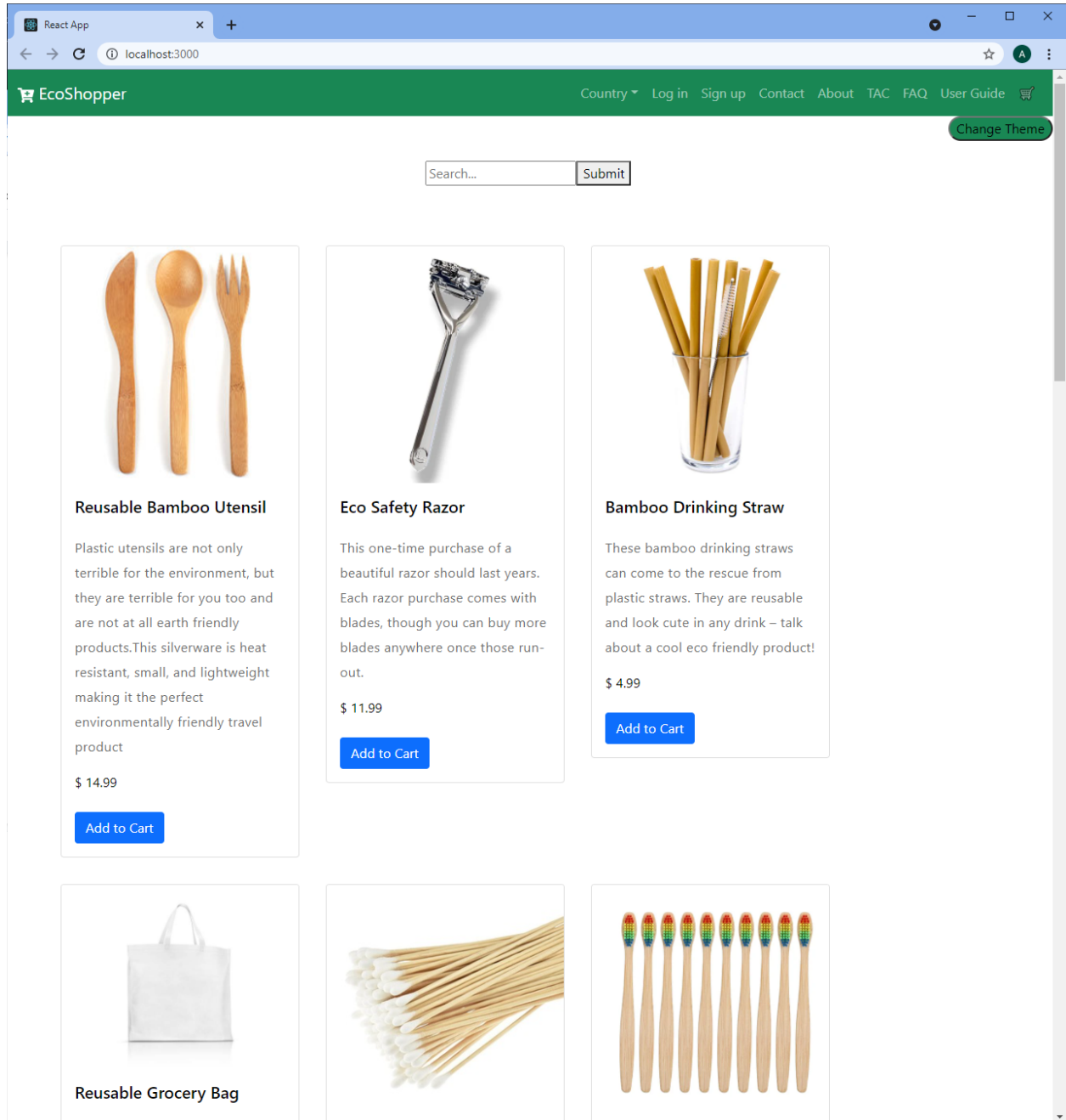
Dark(dynamic)



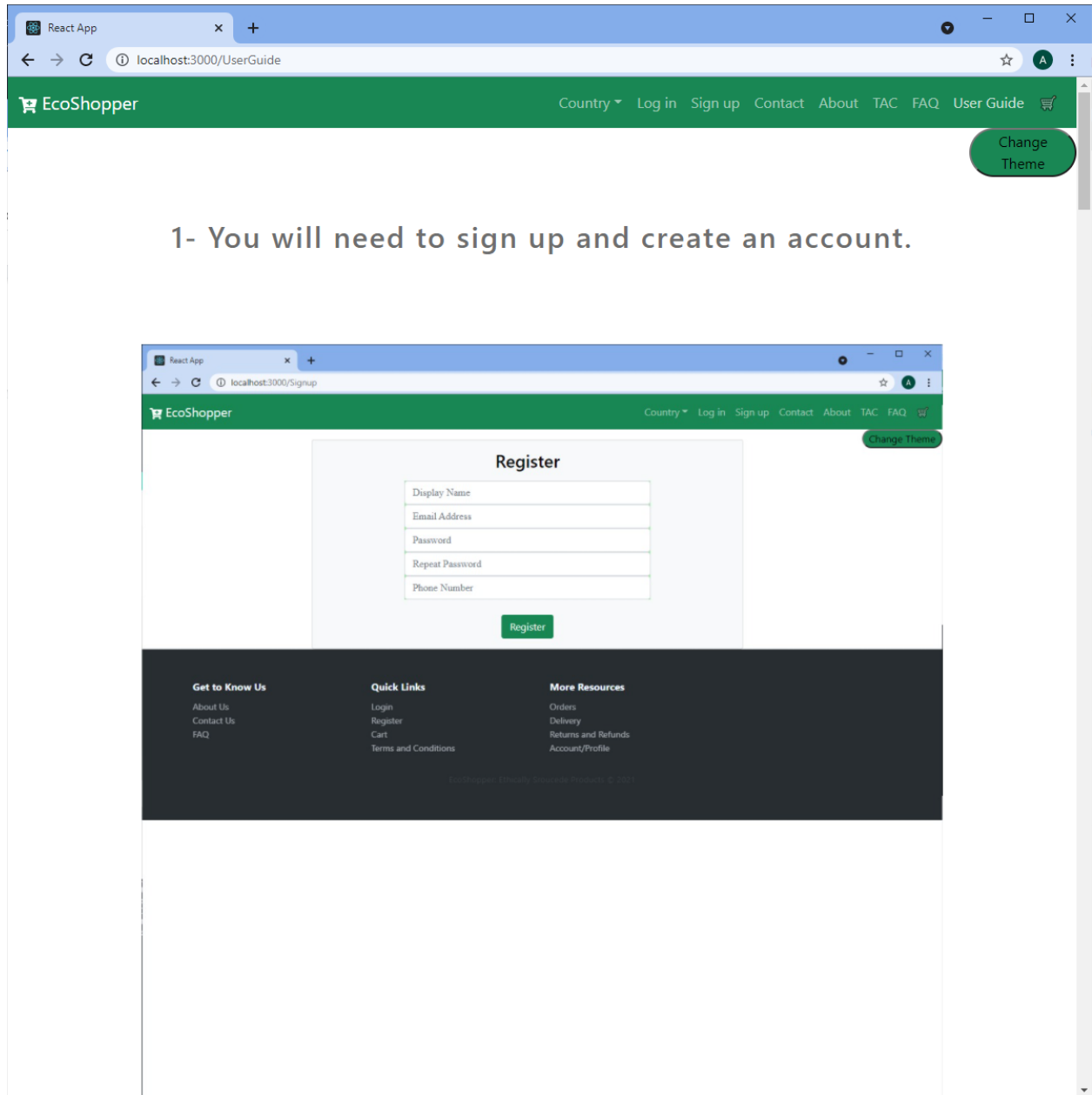
Green(dynamic)

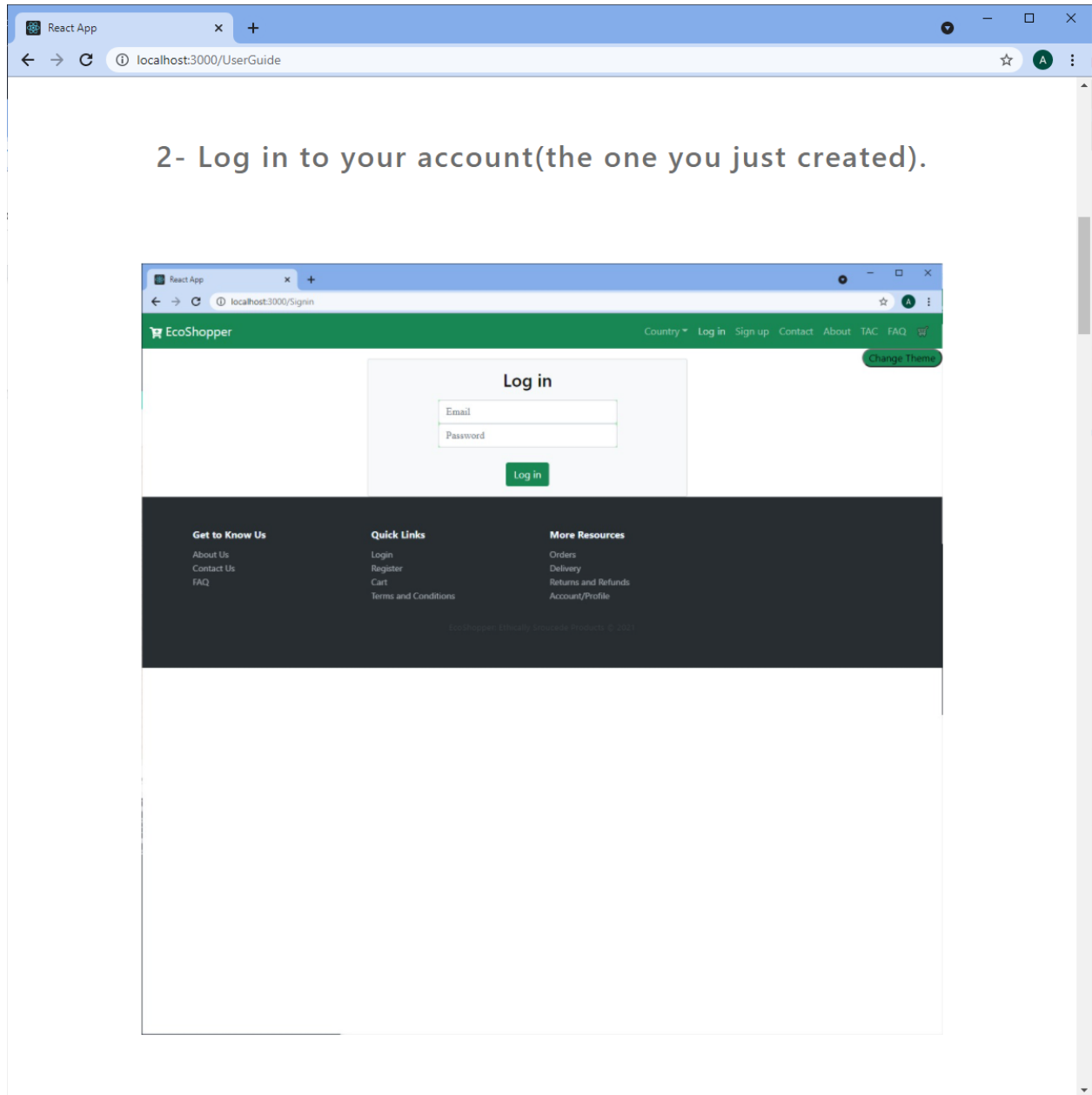


Light(dynamic)



User Training(static)





Login page(dynamic)

The screenshot displays the login page of the EcoShopper application. The browser's address bar shows the URL `localhost:3000/Signin`. The page has a green header bar with the EcoShopper logo on the left and navigation links (Country, Log in, Sign up, Contact, About, TAC, FAQ, User Guide) on the right. A 'Change Theme' button is also present in the top right corner. The main content area features a central white box with the title 'Log in' and two input fields for 'Email' and 'Password'. Below these fields is a green 'Log in' button. The footer is a dark grey section with three columns of links: 'Get to Know Us' (About Us, Contact Us, FAQ), 'Quick Links' (Login, Register, Cart, Terms and Conditions), and 'More Resources' (Orders, Delivery, Returns and Refunds, Account/Profile). The footer also includes the text 'EcoShopper: Ethically Sourced Products © 2021'.

React App

localhost:3000/Signin

EcoShopper

Country Log in Sign up Contact About TAC FAQ User Guide

Change Theme

Log in

Email

Password

Log in

Get to Know Us

About Us
Contact Us
FAQ

Quick Links

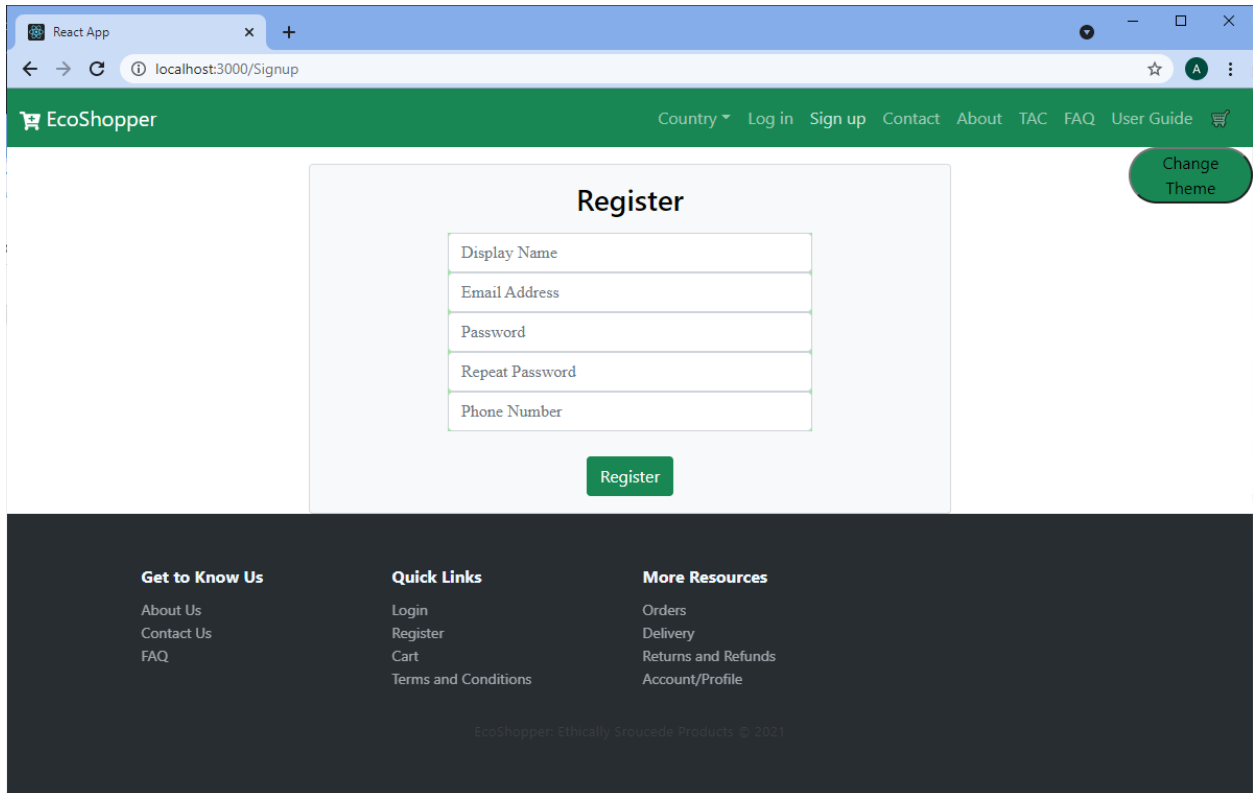
Login
Register
Cart
Terms and Conditions

More Resources

Orders
Delivery
Returns and Refunds
Account/Profile

EcoShopper: Ethically Sourced Products © 2021

Signup page(dynamic)



The screenshot shows a web browser window with the title "React App" and the address bar displaying "localhost:3000/Signup". The website is "EcoShopper", with a green header bar containing navigation links: "Country", "Log in", "Sign up", "Contact", "About", "TAC", "FAQ", "User Guide", and a shopping cart icon. A "Change Theme" button is located in the top right corner. The main content area features a "Register" form with the following fields: "Display Name", "Email Address", "Password", "Repeat Password", and "Phone Number". A green "Register" button is positioned below the form. The footer is a dark grey bar with three columns of links: "Get to Know Us" (About Us, Contact Us, FAQ), "Quick Links" (Login, Register, Cart, Terms and Conditions), and "More Resources" (Orders, Delivery, Returns and Refunds, Account/Profile). A copyright notice "EcoShopper: Ethically Sourced Products © 2021" is centered at the bottom.

React App

localhost:3000/Signup

EcoShopper

Country Log in Sign up Contact About TAC FAQ User Guide

Change Theme

Register

Display Name

Email Address

Password

Repeat Password

Phone Number

Register

Get to Know Us

- About Us
- Contact Us
- FAQ

Quick Links

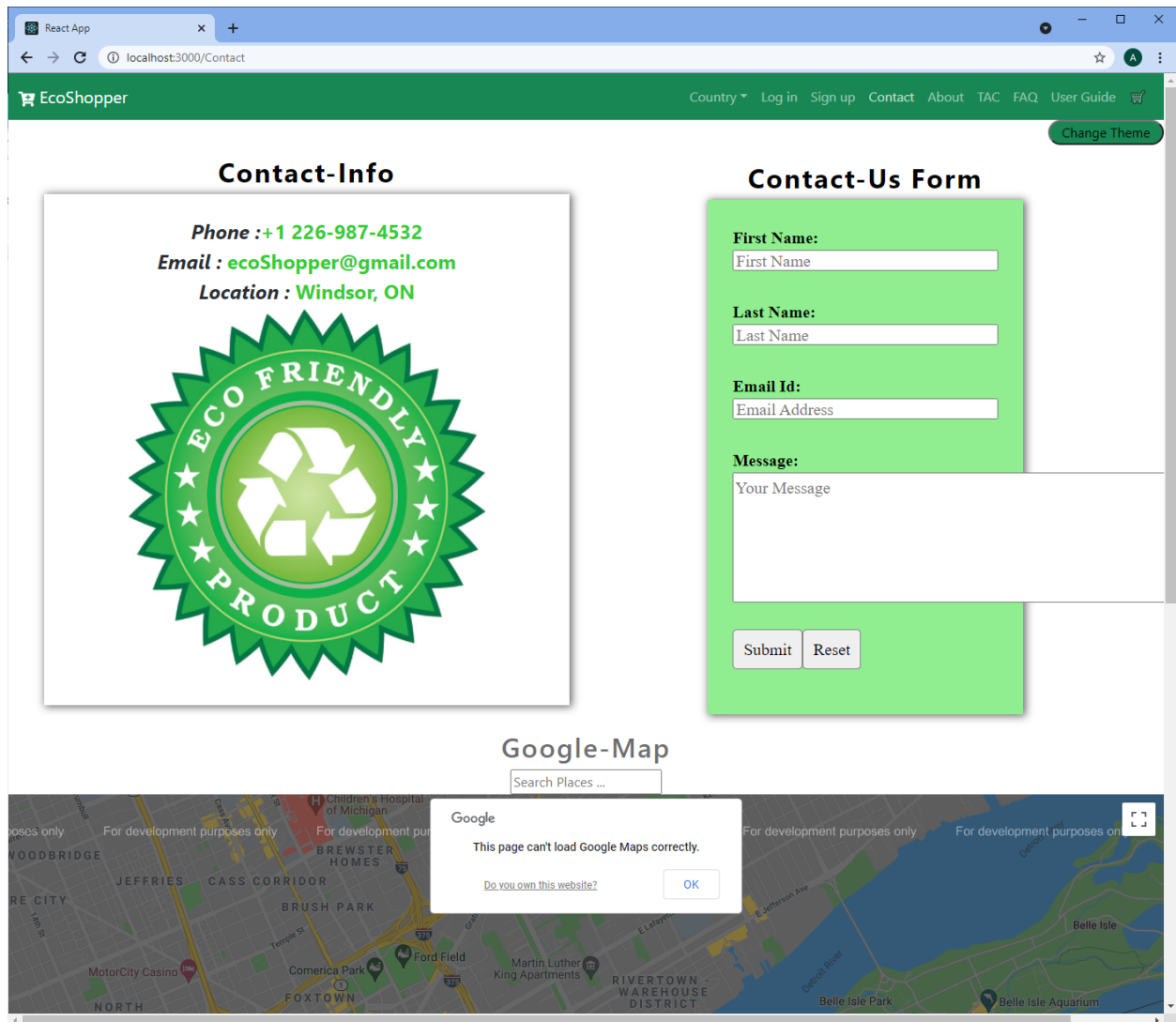
- Login
- Register
- Cart
- Terms and Conditions

More Resources

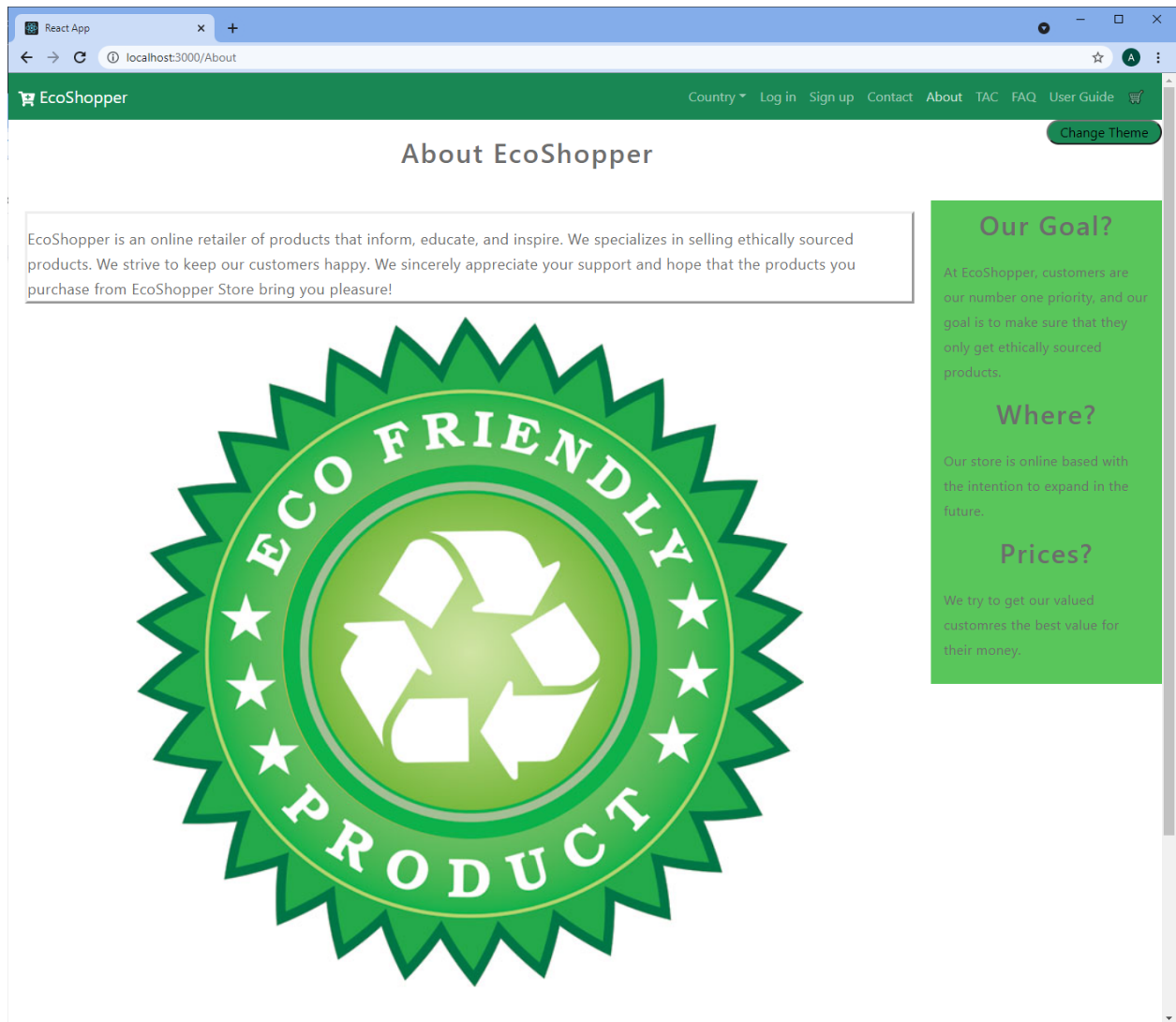
- Orders
- Delivery
- Returns and Refunds
- Account/Profile

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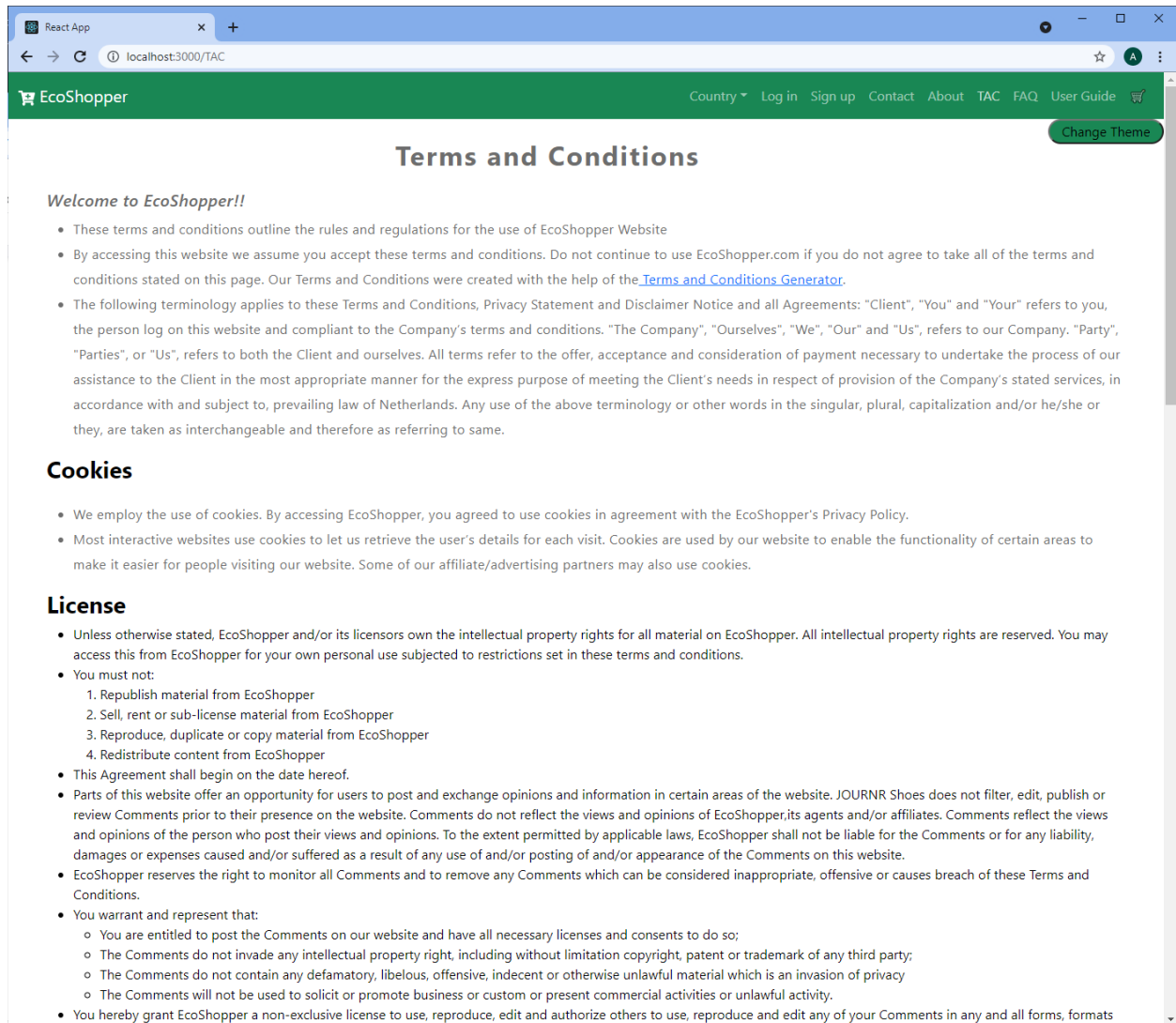
Contact us & Map(static)



About us page(static)



Terms & Conditions(static)



React App

localhost:3000/TAC

EcoShopper

Country Log in Sign up Contact About TAC FAQ User Guide

Change Theme

Terms and Conditions

Welcome to EcoShopper!!

- These terms and conditions outline the rules and regulations for the use of EcoShopper Website
- By accessing this website we assume you accept these terms and conditions. Do not continue to use EcoShopper.com if you do not agree to take all of the terms and conditions stated on this page. Our Terms and Conditions were created with the help of the [Terms and Conditions Generator](#).
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Frequently Asked Questions(static)

