Backend Project

Topic: Savory Spoon

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Table of Contents

Introduction

- The food delivery industry has seen significant expansion, with online ordering platforms becoming a convenient solution for accessing a wide range of cuisines without leaving home. These platforms enable users to browse and order from a variety of restaurants, providing a seamless way to enjoy meals from local eateries to international chains. As the demand for ondemand food services continues to grow, it becomes crucial to design user-friendly applications that enhance the ordering experience for both customers and restaurant owners.
- The food delivery industry has expanded rapidly, making online platforms a convenient way to access diverse cuisines from home. As demand for on-demand food services grows, it’s essential to create user-friendly applications that enhance the experience for customers and restaurant owners alike. Savory Spoon addresses this need with an intuitive platform that simplifies food discovery, ordering, and delivery while supporting local restaurants and fostering community connections.

Problem Statement

- Online food ordering platforms often provide minimal customization options, restricting users from fully tailoring their meals to their specific tastes, dietary needs, and preferences. This limitation not only curtails individual creativity but also decreases overall satisfaction with the dining experience. Consumers crave a more personalized approach, one that allows them to craft meals that align with their unique requirements. There is a clear need for a platform that goes beyond basic customization, offering a wide range of options to ensure that every meal is perfectly suited to each user’s tastes and dietary restrictions.

- Current food ordering platforms offer limited meal customization, restricting users from tailoring meals to their specific tastes and dietary needs. This lack of personalization leads to dissatisfaction, particularly for those with strict dietary restrictions or food preferences. Savory Spoon aims to solve this by offering advanced customization options, allowing users to modify ingredients, portion sizes, and preparation methods.

Key features

1. User-Friendly Navigation:

- Intuitive navigation to easily browse restaurants, menus, and offers.
- Robust search bar with autocomplete, filtering (cuisine, dietary needs, location), and support for misspellings.

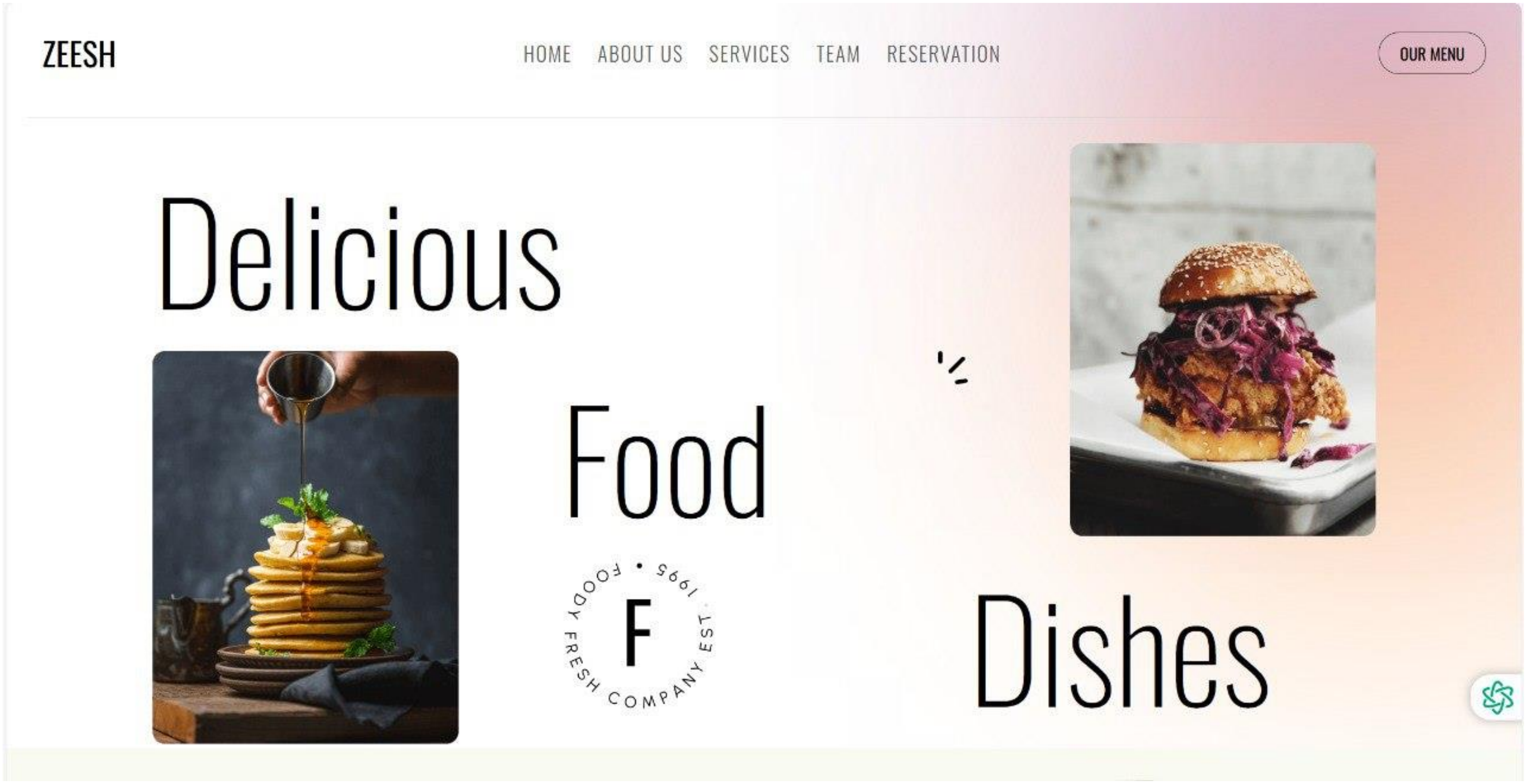
2. Responsive Design:

- Mobile-friendly, responsive design for seamless usage on smartphones, tablets, and desktops.
- Fast load times and easy navigation across all devices.

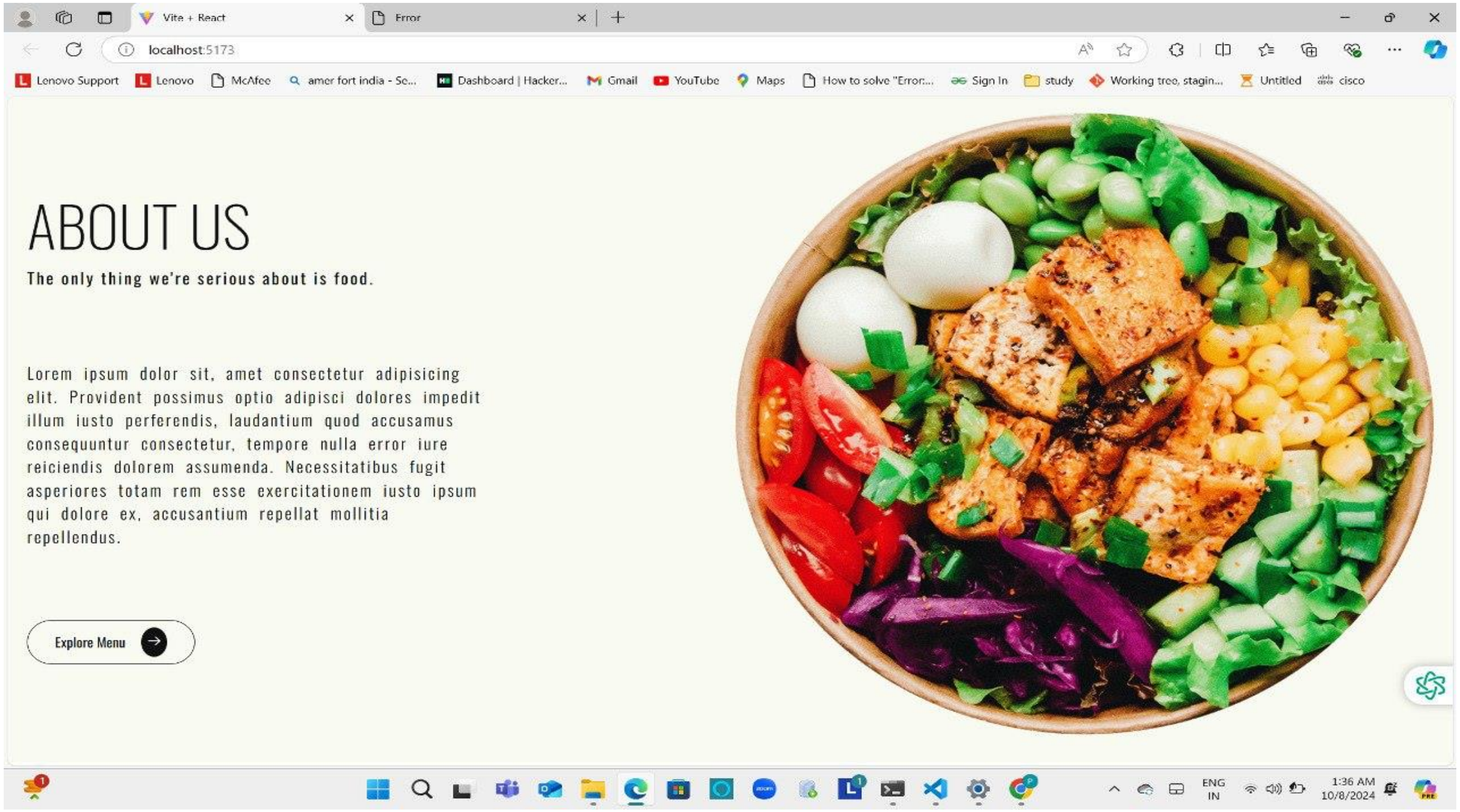
3. Restaurant and Menu Management:

- Detailed restaurant and menu pages with high-quality images, meal descriptions, and ingredient lists.
- Additional features like zoomable images, user reviews, and meal pairing recommendations for an enhanced experience.

Project Highlights



Project Highlights



ABOUT US

The only thing we're serious about is food.

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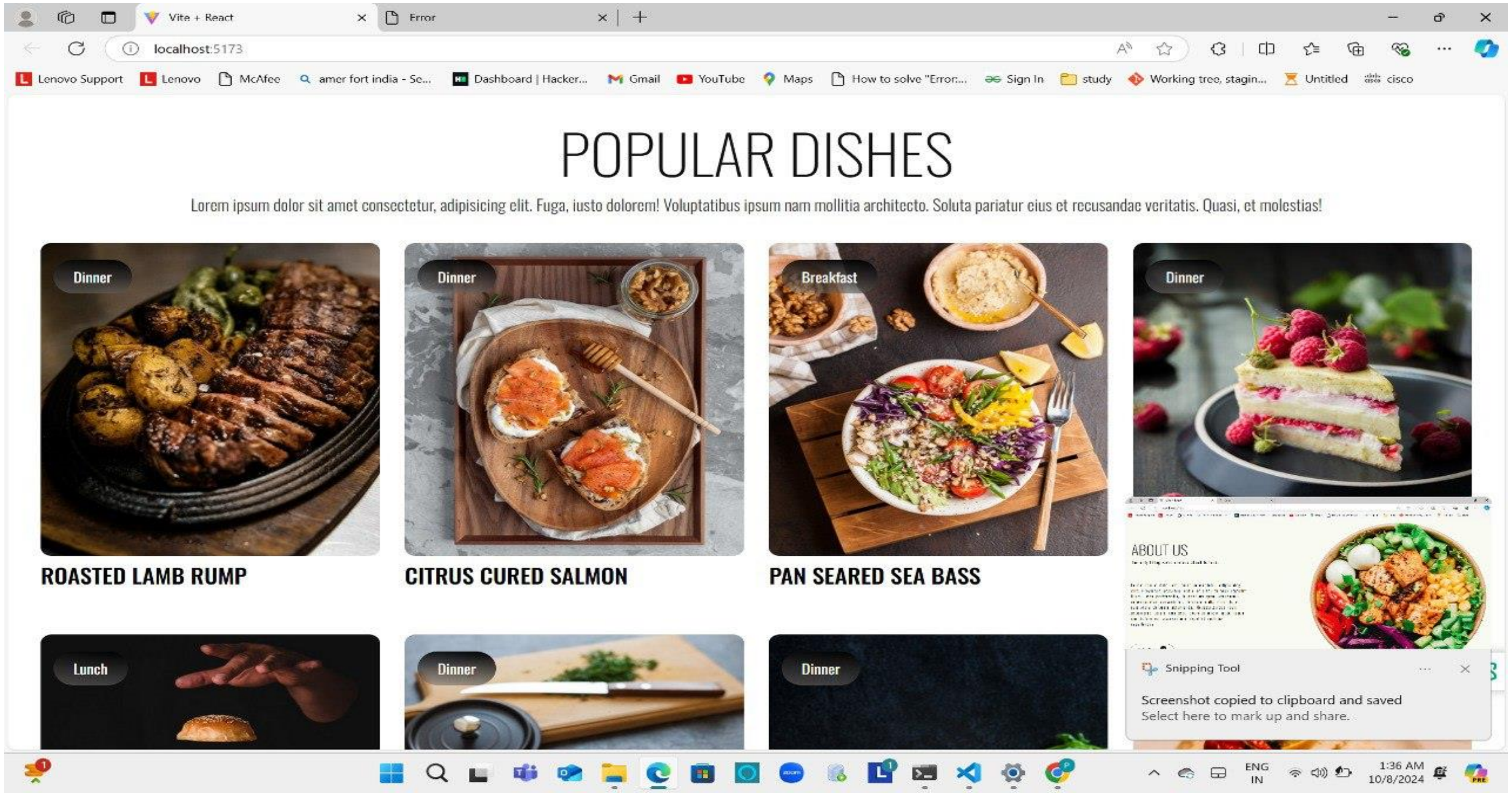
Project Highlights



Vite + React

Error

localhost:5173

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POPULAR DISHES

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Dinner
ROASTED LAMB RUMP

Dinner
CITRUS CURED SALMON

Breakfast
PAN SEARED SEA BASS

Dinner

Lunch

Dinner

Dinner

ABOUT US

Snipping Tool
Screenshot copied to clipboard and saved
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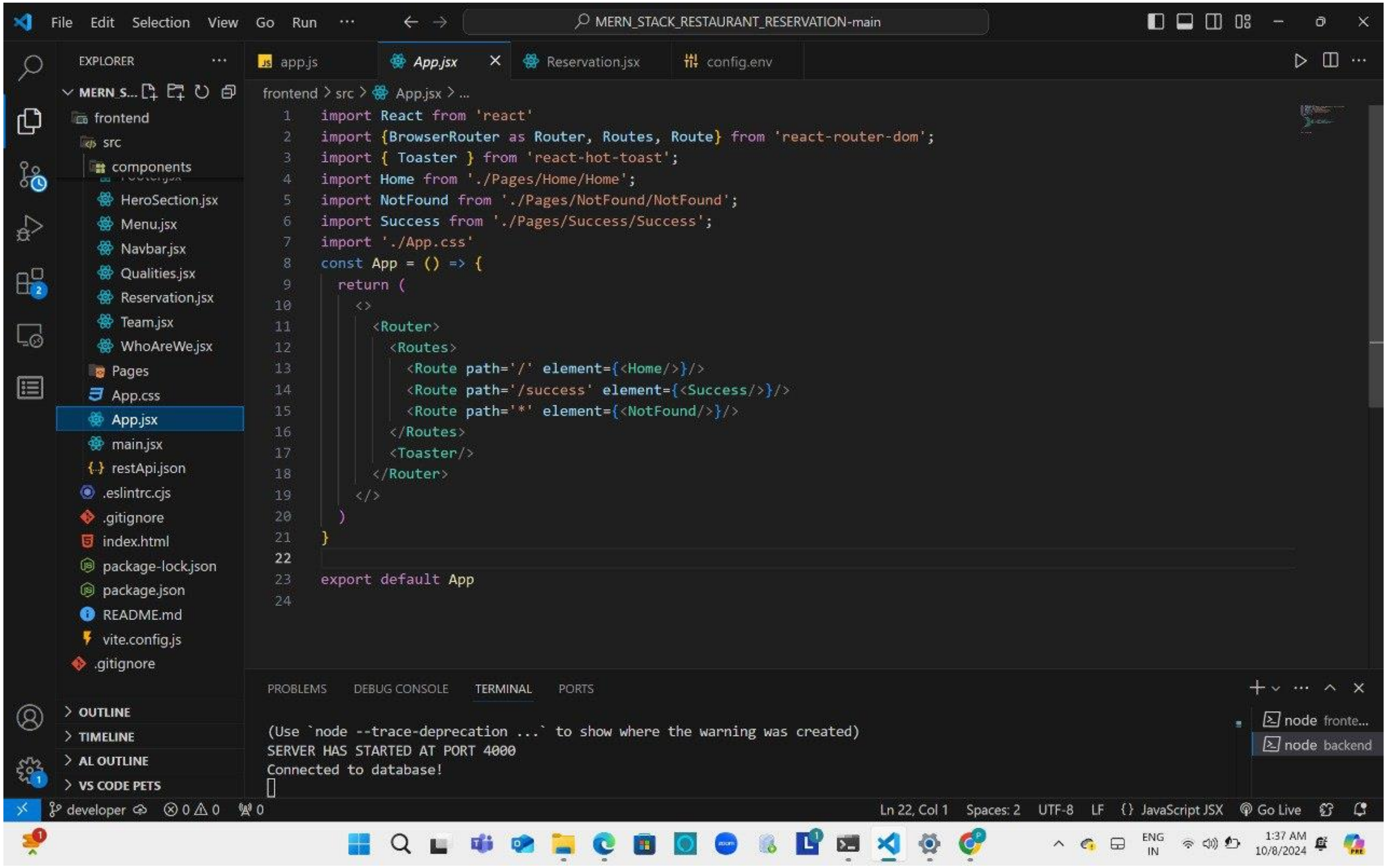
Code Snippets

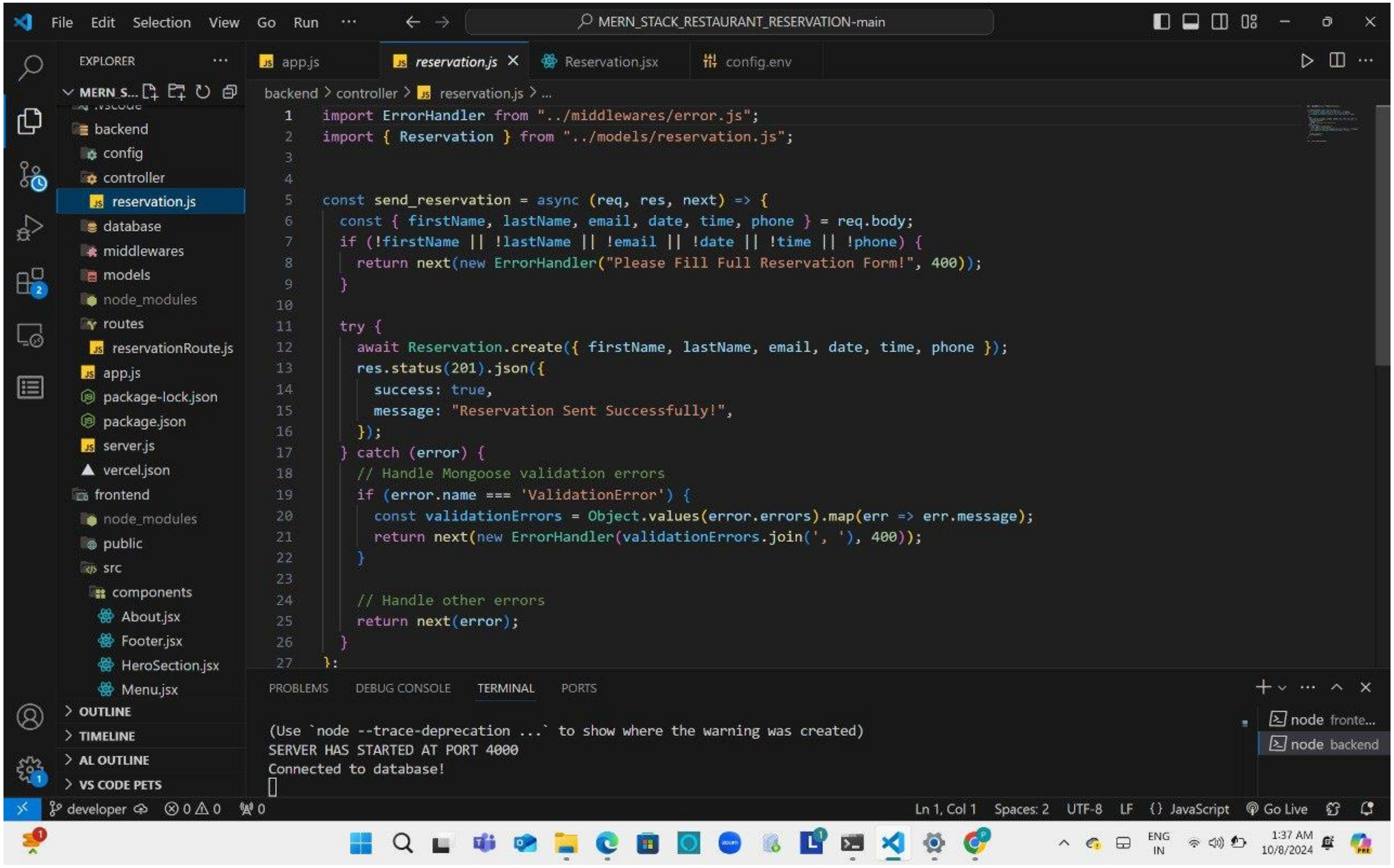


```
import React from 'react'
import {BrowserRouter as Router, Routes, Route} from 'react-router-dom';
import { Toaster } from 'react-hot-toast';
import Home from './Pages/Home/Home';
import NotFound from './Pages/NotFound/NotFound';
import Success from './Pages/Success/Success';
import './App.css'
const App = () => {
  return (
    <>
      <Router>
        <Routes>
          <Route path='/' element={<Home/>}/>
          <Route path='/success' element={<Success/>}/>
          <Route path='*' element={<NotFound/>}/>
        </Routes>
        <Toaster/>
      </Router>
    </>
  )
}

export default App
```

```
(Use `node --trace-deprecation ...` to show where the warning was created)
SERVER HAS STARTED AT PORT 4000
Connected to database!
```

Code Snippets



```
import ErrorHandler from "../middlewares/error.js";
import { Reservation } from "../models/reservation.js";


const send_reservation = async (req, res, next) => {
  const { firstName, lastName, email, date, time, phone } = req.body;
  if (!firstName || !lastName || !email || !date || !time || !phone) {
    return next(new ErrorHandler("Please Fill Full Reservation Form!", 400));
  }

  try {
    await Reservation.create({ firstName, lastName, email, date, time, phone });
    res.status(201).json({
      success: true,
      message: "Reservation Sent Successfully!",
    });
  } catch (error) {
    // Handle Mongoose validation errors
    if (error.name === 'ValidationError') {
      const validationErrors = Object.values(error.errors).map(err => err.message);
      return next(new ErrorHandler(validationErrors.join(', '), 400));
    }

    // Handle other errors
    return next(error);
  }
};
```

```
(Use `node --trace-deprecation ...` to show where the warning was created)
SERVER HAS STARTED AT PORT 4000
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```

Conclusion

- The completion of the Savory Spoon food ordering platform backend represents a significant achievement in creating a scalable and efficient system for on-demand food services. This project has established a solid foundation for delivering a seamless and user-friendly experience, addressing the unique needs of both customers and restaurant partners.

- Scalability and performance have been central to the development process, with the backend designed to manage high traffic volumes and numerous orders, ensuring reliability and responsiveness during peak dining times. This scalability is crucial to supporting the platform's growth and adapting to evolving customer and restaurant needs.

References

- **React.js:** https://react.dev - Official documentation for learning and implementing React.js.
- **Node.js:** https://nodejs.org/docs/latest/api/ - Documentation and guides for setting up and using Node.js.
- **Express.js**: https://expressjs.com/ - Documentation and guides for setting up and using Express.js.
- **MongoDB:** https://www.mongo.db.com- Documentation and guides for setting up and using MongoDB.
- **React - The Complete Guide:** Comprehensive course on building frontend applications with React.js.
- **The Complete Node.js Developer Course:** Covers building backend services using Node.js, Express, and MongoDB.

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