

# **DishDelight Website Development Exam Report**

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**Link to the source code:**

**<https://github.com/Rudokita/dish.git>**

**link to the running solution:**

**<https://rudokita.github.io/dish/>**

This report outlines key functionalities, problem-solving approaches, and design choices that make the website effective and user-friendly.

## **Key Functionalities**

### **1. Interactive Recipe Search**

The search bar allows users to quickly find recipes by filtering based on keywords. Implemented with a state-based approach in React, it updates dynamically as the user types ensuring a seamless experience

# Recipes

pi



Margherita Pizza

Ingredients: Flour, Tomatoes, Mozzarella, Basil  
Instructions: Make dough, add toppings, bake in oven.



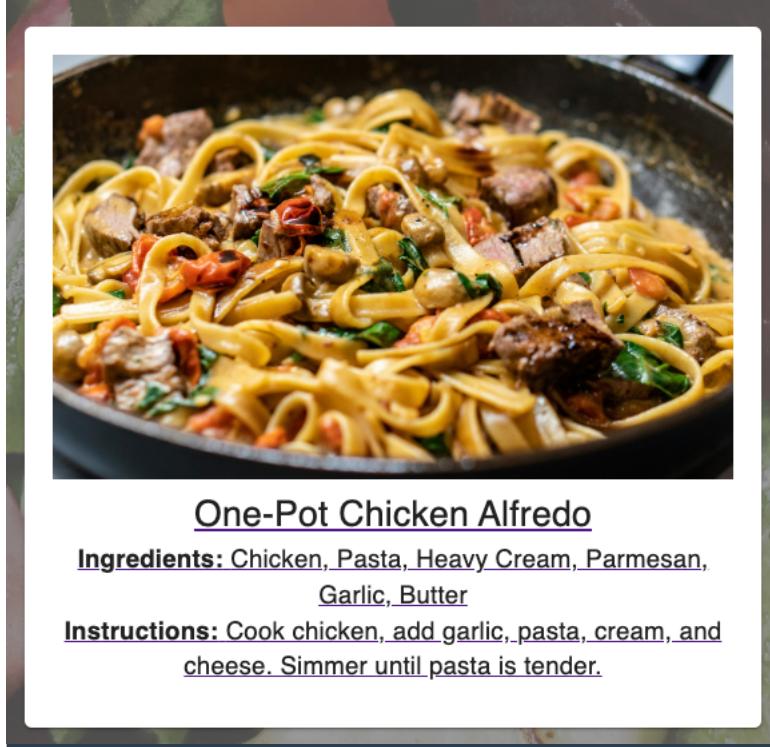
Spicy Tuna Wrap

Ingredients: Tortilla, Canned Tuna, Mayo, Sriracha, Lettuce, Avocado  
Instructions: Mix tuna with mayo and sriracha, spread on tortilla, add lettuce and avocado, then wrap.

```
return [
  <div className={styles.recipesPage}>
    <Container maxWidth="md" sx={{ textAlign: "center", py: 5 }}>
      <Typography variant="h1" gutterBottom>
        Recipes
      </Typography>
      <div className={styles.searchContainer}>
        <input
          type="text"
          className={styles.searchInput}
          placeholder="Search Recipes..."
          onChange={(e) => setSearch(e.target.value)}
        />
      </div>
```

## 2. Recipe Detail View with Pop-up Dialog

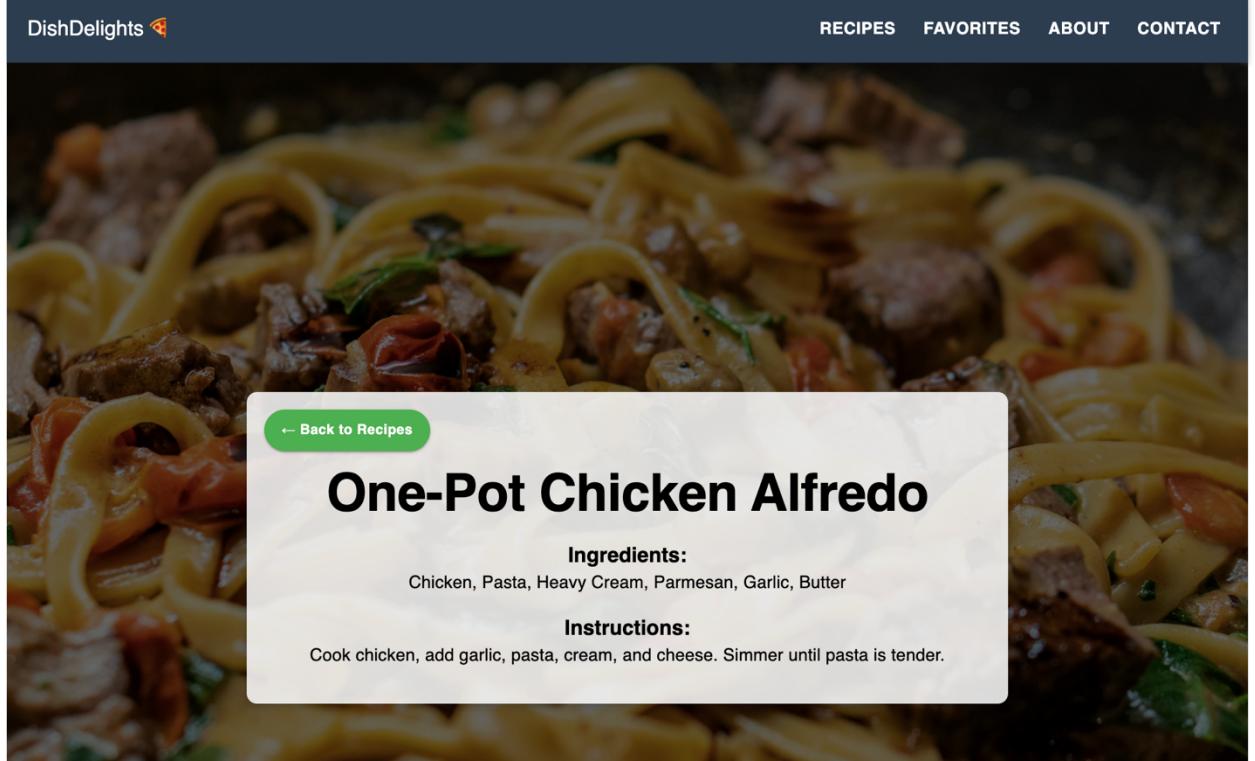
Clicking on a recipe opens a detailed view with ingredients, instructions, and an image. The implementation uses `useParams` from React Router to fetch recipe data dynamically and displays it in a modal for a clean layout.



### One-Pot Chicken Alfredo

**Ingredients:** Chicken, Pasta, Heavy Cream, Parmesan, Garlic, Butter

**Instructions:** Cook chicken, add garlic, pasta, cream, and cheese. Simmer until pasta is tender.



DishDelights 

RECIPES FAVORITES ABOUT CONTACT

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## One-Pot Chicken Alfredo

**Ingredients:**

Chicken, Pasta, Heavy Cream, Parmesan, Garlic, Butter

**Instructions:**

Cook chicken, add garlic, pasta, cream, and cheese. Simmer until pasta is tender.

```
import { useParams, useNavigate } from "react-router-dom";
import { Button, Typography, Box } from "@mui/material";

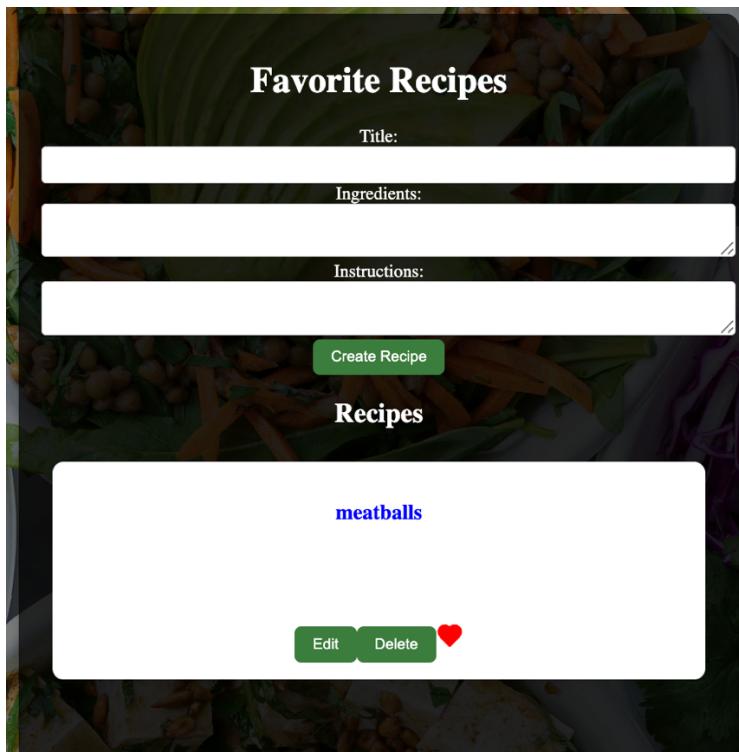
const RecipeDetail = ({ recipes }) => {
  const { recipeId } = useParams();
  const navigate = useNavigate(); // ✅ Enables navigation back

  const recipe = recipes.find((r) => r.id === parseInt(recipeId)); // ✅ Convert ID to number

  if (!recipe) {
    return <h2>Recipe not found</h2>; // ✅ Handles invalid IDs
  }
}
```

### 3. Favorites Page with Local Storage

Users can save their favorite recipes, which persist even after refreshing the page. This was implemented using `localStorage`, storing and retrieving the user's selected recipes to enhance usability.



## Issue Fixes and Solutions

### 1. Search Bar Overlay Issue

The search bar initially displayed a double border. The issue was resolved by overriding Material-UI's default styles, ensuring a clean, Google-like search experience.

### 2. Page Not Scrolling When Adding Recipes

The Favorites page didn't allow scrolling when new recipes were added. By modifying the CSS with `overflow-y: auto;` and ensuring the container expanded dynamically, the issue was fixed.

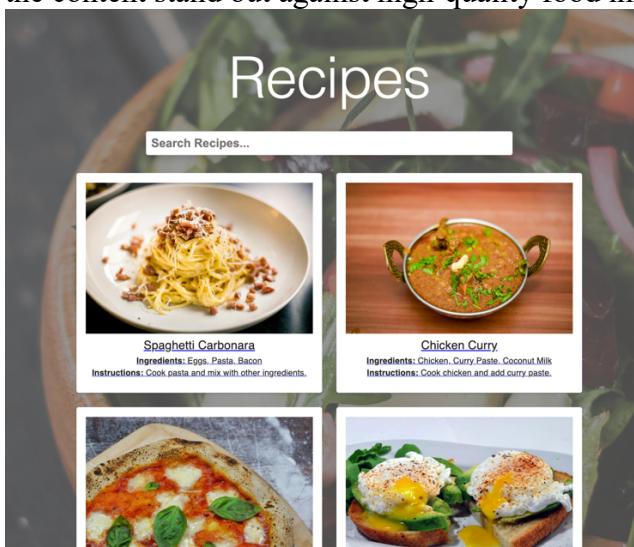
### 3. Default Page Not Loading on Deployment

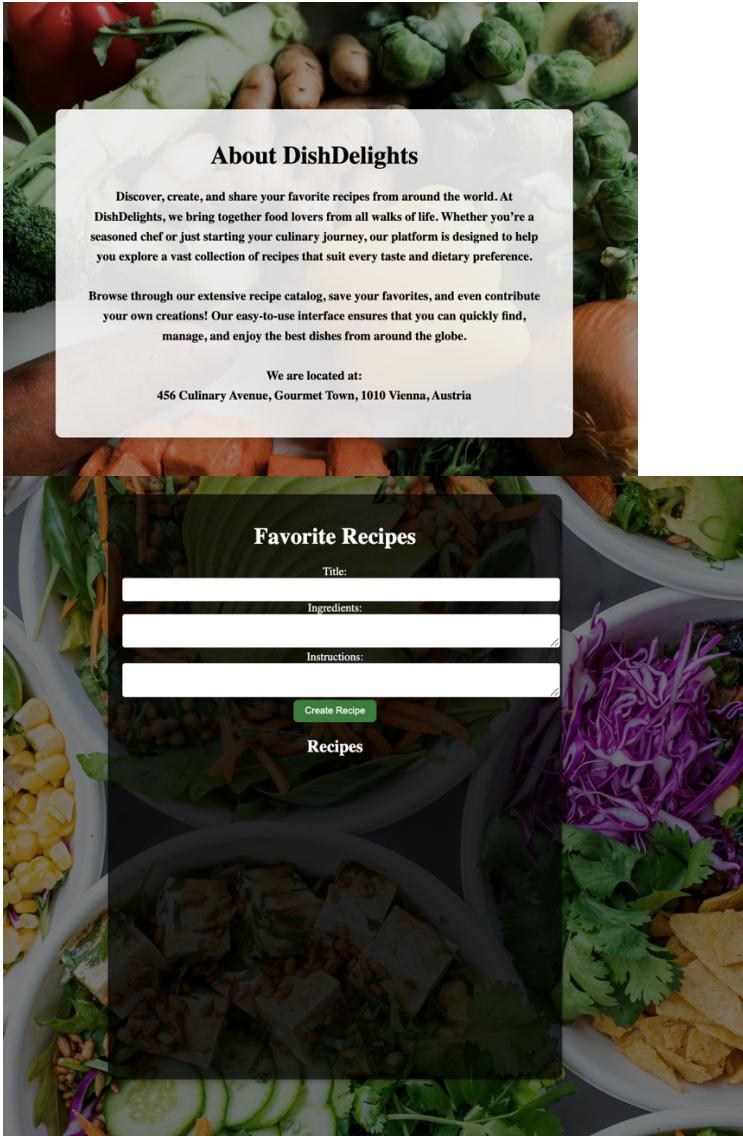
The homepage wasn't appearing immediately after deployment. The issue was resolved by ensuring React Router's `<Route path="/" element={<Home />} />` was correctly set and checking GitHub Pages routing settings.

## Design Choices

### 1. Semi-Transparent Backgrounds

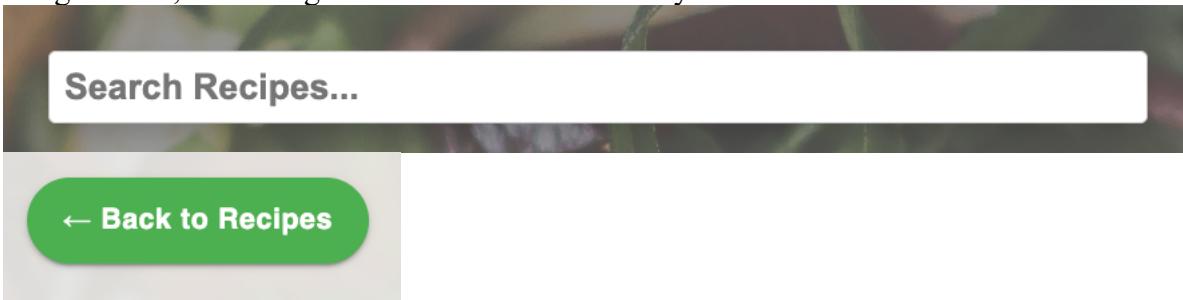
Semi-transparent overlays provide a stylish contrast while ensuring readability, making the content stand out against high-quality food images.





## 2. Rounded Buttons and Search Bar

The UI features rounded corners for buttons and the search bar, inspired by modern design trends, enhancing both aesthetics and usability.



## 3. Dark Mode-Friendly Color Scheme

The contrast between light text and dark backgrounds ensures accessibility, making the

website more inclusive for users with different visual preferences.



## Target Audience Fit

The design and functionality are perfect for food enthusiasts, home cooks, and professionals looking for an intuitive and visually appealing platform. The combination of clean UI, fast search functionality, and personalized features like favorites ensures an engaging and user-friendly experience.

## BIBLIOGRAPHY:

<https://chatgpt.com>

<https://copilot.microsoft.com/chats/bfheQyV6DokjnGRNfvGJU>

<https://unsplash.com>

<https://mui.com>

<https://www.youtube.com/watch?v=aECTuVF0u0A>