

COOKBOOK

GROUP 8
ASHWATTHA PHATAK
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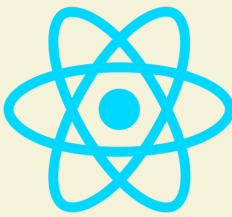
WHAT IS COOKBOOK?

COOKBOOK IS AN INNOVATIVE RECIPE SEARCH PLATFORM DESIGNED TO REVOLUTIONIZE YOUR COOKING EXPERIENCE. THIS USER-FRIENDLY TOOL SOLVES THE COMMON DILEMMA OF NOT KNOWING WHAT TO COOK WITH THE INGREDIENTS YOU HAVE ON HAND. BY SIMPLY ENTERING THE ITEMS AVAILABLE IN YOUR KITCHEN, COOKBOOK SUGGESTS A VARIETY OF DISHES YOU CAN PREPARE, COMPLETE WITH DETAILED STEP-BY-STEP INSTRUCTIONS. WHETHER YOU'RE A SEASONED CHEF OR A COOKING NOVICE, COOKBOOK OFFERS FLEXIBILITY, CONVENIENCE, AND INSPIRATION FOR YOUR NEXT MEAL. WITH ITS RECENT UPGRADE TO AN ONLINE WEBSITE, ENHANCED FEATURES LIKE NUTRITION-BASED FILTERING AND INGREDIENT TAGS, AND IMPROVED TECHNICAL INFRASTRUCTURE, COOKBOOK IS NOW MORE ACCESSIBLE AND EFFICIENT THAN EVER BEFORE. DISCOVER NEW RECIPES, EXPLORE DIVERSE CUISINES, AND MAKE THE MOST OF YOUR PANTRY WITH COOKBOOK – YOUR ULTIMATE CULINARY COMPANION.

WHY VERSION 2 WAS BETTER

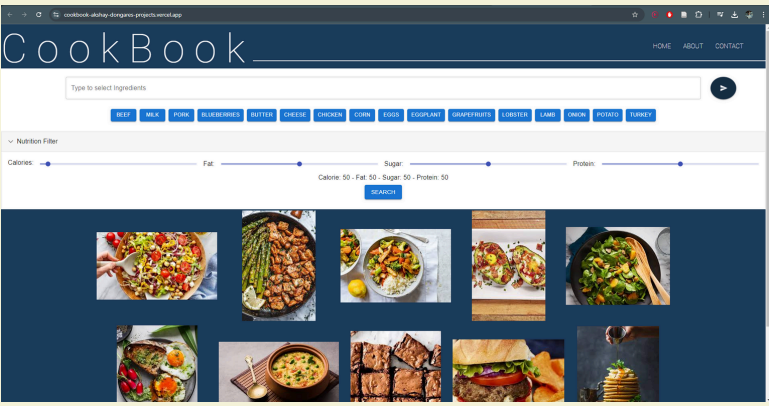
- **ONLINE ACCESSIBILITY:** THE NEW VERSION OF COOKBOOK IS NOW AVAILABLE AS AN ONLINE PLATFORM, WHICH MEANS USERS NO LONGER NEED TO INSTALL BACKEND AND FRONTEND COMPONENTS TO ACCESS IT.
- **NUTRITION-BASED FILTERING:** A NEW FILTERING SYSTEM BASED ON NUTRITIONAL CONTENT HAS BEEN INTRODUCED, ALLOWING USERS TO SEARCH FOR RECIPES THAT MEET SPECIFIC DIETARY REQUIREMENTS OR PREFERENCES.
- **INGREDIENT TAGS:** THE ADDITION OF INGREDIENT TAGS SIMPLIFIES THE SEARCH PROCESS BY ALLOWING USERS TO QUICKLY FIND RECIPES RELATED TO SPECIFIC INGREDIENTS.
- **IMPROVED SOFTWARE DESIGN:** THE LATEST VERSION INCLUDES ENHANCEMENTS IN SCALABILITY AND SECURITY.
- **ROBUST TESTING WITH 5 TEST CASES.**

TECH STACK



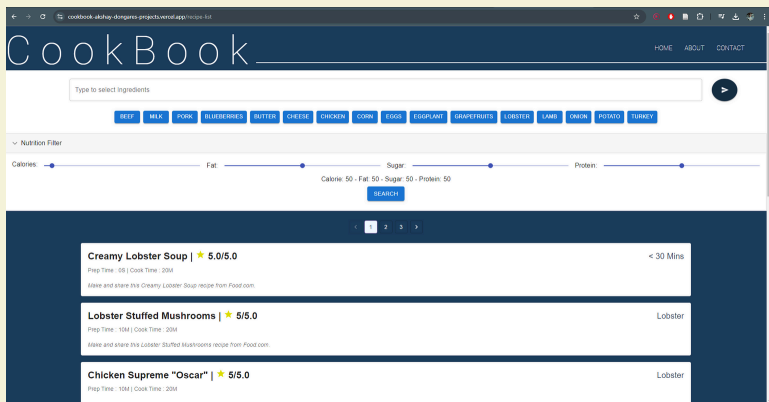
REACT AND TYPESCRIPT ALLOW FOR BUILDING POWERFUL, DYNAMIC FRONTENDS WITH RELIABILITY AND FLEXIBILITY. FASTAPI AND PYTHON PROVIDE A FAST, EFFICIENT BACKEND FRAMEWORK THAT'S PERFECT FOR MODERN APIS. WITH MONGODB, YOU GET A FLEXIBLE DATABASE THAT EXCELS AT HANDLING COMPLEX DATA STRUCTURES. TOGETHER, THEY FORM A ROBUST, CUTTING-EDGE STACK THAT'S BOTH HIGHLY PERFORMANT AND WIDELY USED IN THE INDUSTRY.

SNAPSHOTS



HOME PAGE SHOWING DIFFERENT FILTERING OPTIONS AND INGREDIENT RECOMMENDATIONS

LIST OF RECIPES SHOWN FOR THE SELECTED INGREDIENTS



WHY WILL VERSION 3 BE BETTER

- WILL BE UTILIZING NATURAL LANGUAGE PROCESSING FOR BETTER RECIPE SEARCH AND UNDERSTANDING
- WILL HAVE ADDED FEATURE FOR SOCIAL SHARING AND COMMUNITY RECIPE CONTRIBUTION CAPABILITIES
- WILL IMPLEMENT VOICE-CONTROLLED COOKING INSTRUCTIONS
- WILL FEATURE AN ADVANCED RECIPE RECOMMENDATION SYSTEM, MEAL PLANNING AND GROCERY LIST GENERATION USING LARGE LANGUAGE MODELS
- WILL HAVE PERSONALIZED RECIPE SUGGESTIONS BASED ON DIETARY PREFERENCES AND PAST INTERACTIONS USING LLMS
- WILL HAVE ENHANCED ACCESSIBILITY FEATURES FOR USERS WITH DISABILITIES BY IMPLEMENTING A CONTINUOUS VOICE TO VOICE SYSTEM

QR CODES



LIVE DEMO

REPOSITORY

