



Introduction

Tired of wasting time comparing grocery prices, planning meals, or struggling to find the right reci Our app combines personalized recipe suggestions, re time grocery pricing, and efficient route planning to sav you time and money.

By integrating your shopping list with store data and intelligent recipe generation, we simplify meal prep whi ensuring your groceries are always within budget.

Objectives

- Simplify Meal Planning: Personalized recipe sugges
- 2. Enhance Grocery Shopping: Provide real-time prici data to help users make cost-saving choices
- 3. Optimize Routes: Suggest efficient routes to grocery stores, saving time and money



SmartCart: Smart shopping, made simple.

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	Problem
	Students have enough time to cook,
ipes? eal-	Methodolog
ve	1. Recipe Generation: Use LLMs to sugg recipes.
nile	 Database Integration: Store data secular Route Optimization: Optimize travel room Maps API.
	4. Mobile App Development : Build cross React Native.
	5. User Testing: Gather feedback for con
estion ing	Future Work
	 Run benchmarks to test how well different dietary restrictions and culinary preference. Run benchmarks testing different LLN Add automatic checkout with select states.

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United States

Save my info for 1-click checkout with Link

ull name on car

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shopping, (3) optimize shopping routs. Based on our own tests our system performs well when estimating prices, recomending items that comply with user preferences, and finding stores with all items in the shopping list. In conclusion, our system successfully helps busy students with meal planning.



Architecture