

# MealMate

From craving to cart.

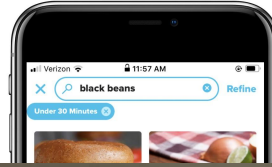
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UC Berkeley

Track: Application

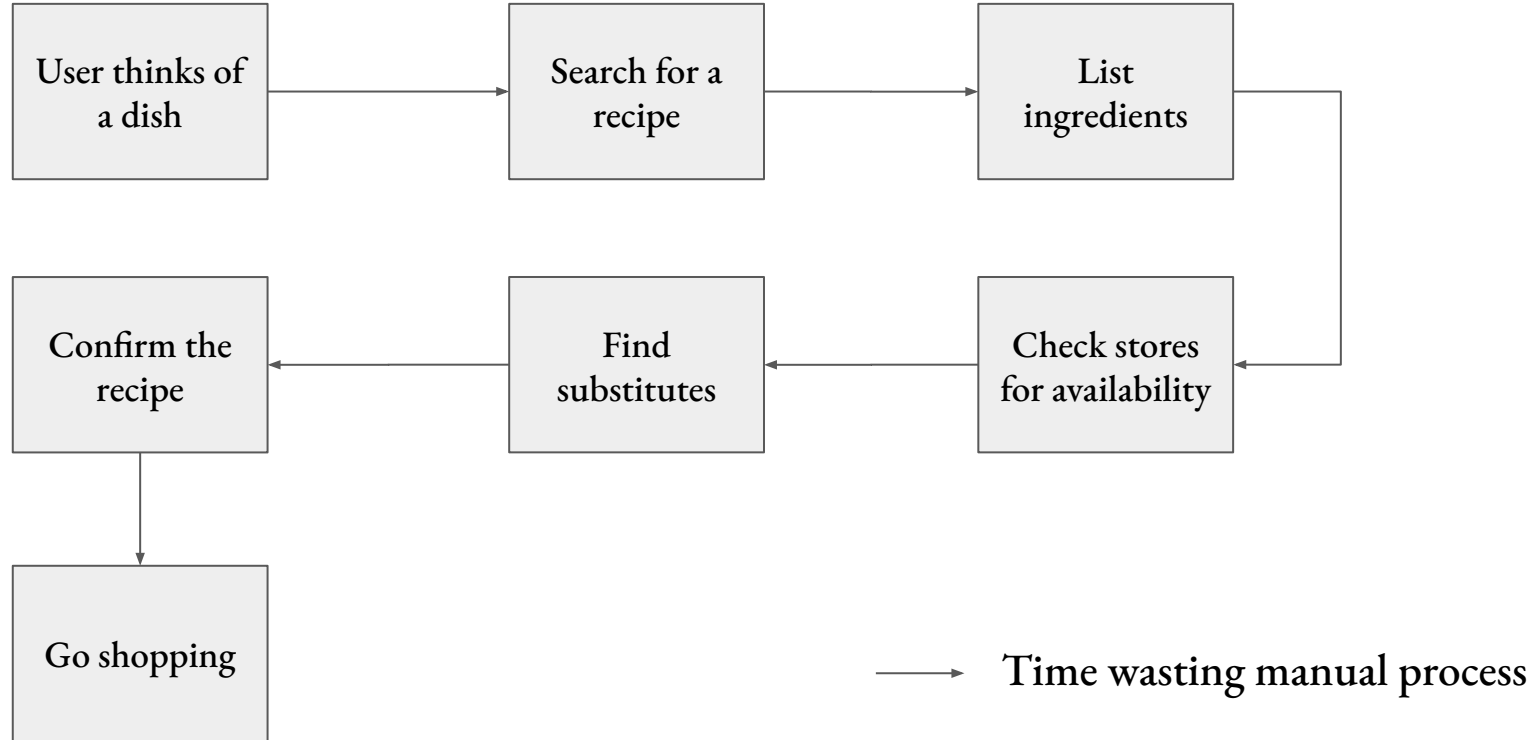
Units: 4

# Problem Statement



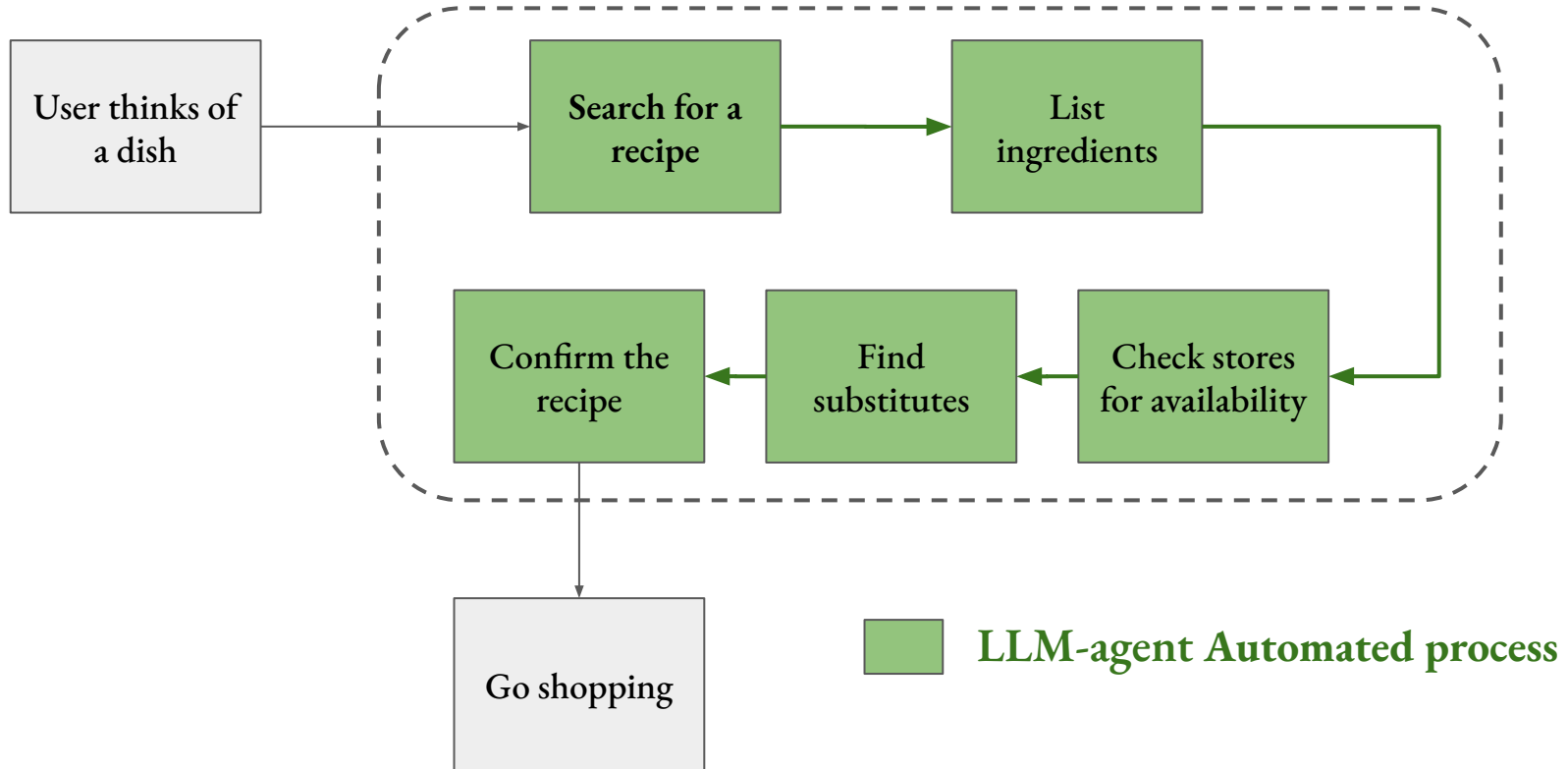
Images Source:  
<https://explore.typhur.com/air-fryer-hamburgers>  
<https://coolmomeats.com/2020/03/24/how-to-cook-with-what-i-have-recipe-apps-search-by-ingredient/>  
<https://www.istockphoto.com/photos/handwritten-vegetable-shopping-list>  
<https://media.blueyonder.com/stocking-up-consumers-prepare-for-the-holidays-and-a-third-wave-of-covid-19/>

# Problem Statement



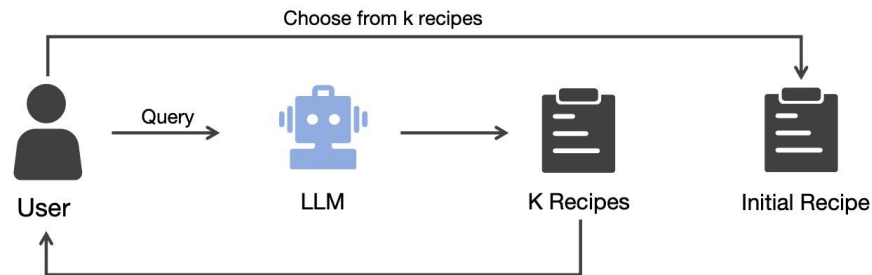
**MealMate is all you need**

# Proposed Solution: MealMate is all you need

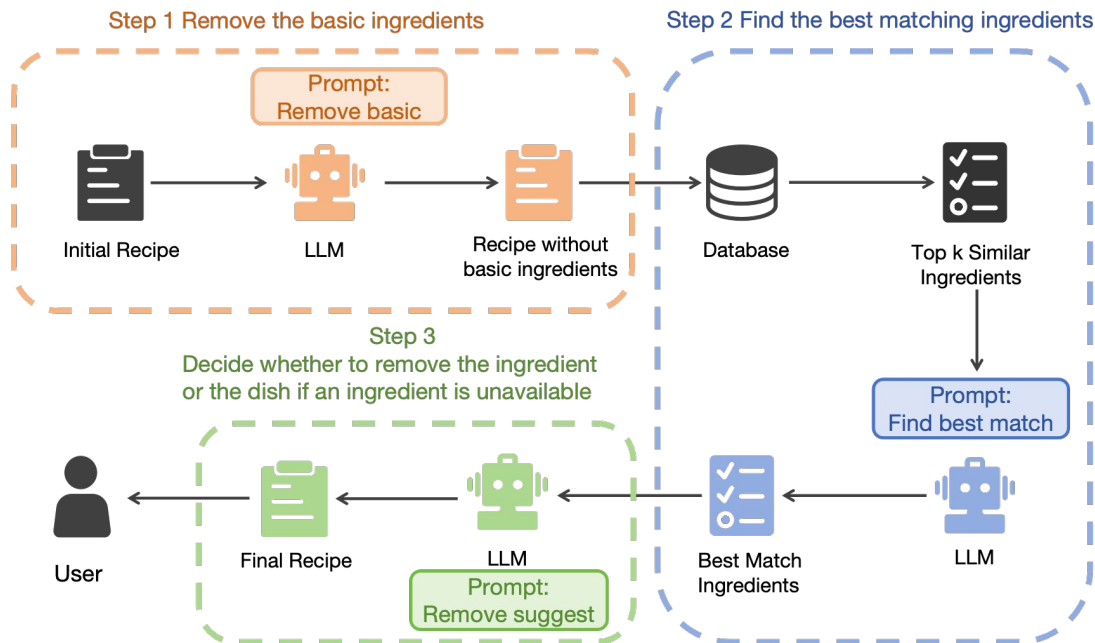


# Proposed Solution

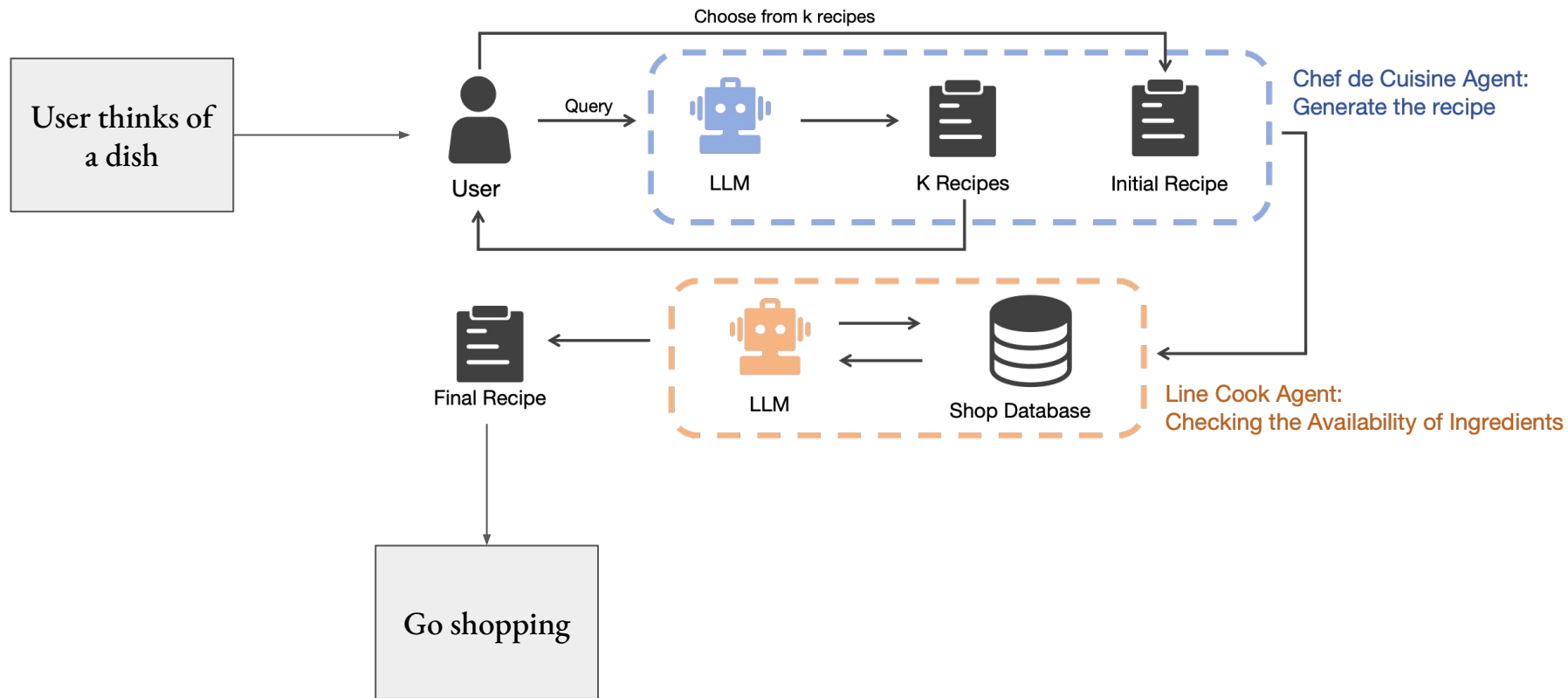
## Chef de Cuisine Agent




## Line Cook Agent




# Method



# Demo

 MealMate X

 Hello! I'm your virtual assistant. How can I help you today?

### Your Shopping Cart

Your cart is empty. Start adding items!

### Set Your Preferences

Price Preference (\$):

1 = Money is no object, 5 = Highly budget-conscious

Allergies: Enter allergies (e.g., nuts, gluten)



# Contributions & Future Work

Reduced



Time

Frustration

Increased



Experience

Model	Find Best Match	Replacement Suggestion	Testing Time
gpt-3.5-turbo	0.71	0.42	10.6s
gpt-4o	0.82	0.83	19.63s
<b>gpt-4o-mini</b>	<b>0.94</b>	<b>0.83</b>	<b>11.28s</b>

Commercial Potential:

- Full Access to Real Grocery Database
- Embed MealMate into Platforms like Instacart