



WELCOME!

Program AI-3 : Concept 7 Activity

Overview

Isaac wants to make a chatbot to help people in his community be better cooks because he read research about how home cooked meals can improve health and wellness in families. But - he's having trouble getting people to use his chatbot. He needs to make some choices for how to further specialize it so folks will find it more useful.

Focusing Question 1: What is the intended cuisine his chatbot should focus on?

A) Italian	B) West African
C) Korean	D) Chilean

Focusing Question 2: Who should he design the chatbot for?

A) Teenagers wanting to cook things when they're home by themselves	B) Single people wanting to impress on a date
C) Parents wanting to cook things for kids	D) Older folks with limited mobility

Focusing Question 3: What should he assume about the ingredients his users have?

A) Provide advice on how to "make it work" with typical ingredients in a grocery store.
B) Provide advice on where to order specialized ingredients that can be used in dishes

Focusing Question 4: How should the chatbot cater to the people who will eat the food it recommends?

A) Avoid recipes with common allergens in them (like peanuts or shellfish)	B) Avoid recipes that require specialized cooking equipment
C) Prioritize recipes that are gluten free	D) Prioritize recipes that are vegan-friendly

Part A: Testing with Suggested Prompts – Cooking Chatbot Focus

Based on Isaac's cooking chatbot scenario, try these prompts with a cooking/recipe chatbot and record the responses:

1. Basic Recipe Requests

Prompt 1: "Give me a simple pasta recipe for beginners."

- **Chatbot Response:**

- **Does the recipe seem realistic and safe?** ☐ Yes ☐ No ☐ Unsure
- **What cooking skill level does this assume?** ☐ Beginner ☐ Intermediate ☐ Advanced

Prompt 2: "I want to cook dinner for my family of 4. What should I make?"

- **Chatbot Response:**

- **Did the chatbot ask about dietary restrictions?** ☐ Yes ☐ No
- **Did it consider cooking time or difficulty?** ☐ Yes ☐ No

2. Ingredient Substitution Tests

Prompt 3: "I don't have eggs for this cake recipe. What can I use instead?"

- **Chatbot Response:**

- **Are the substitutions practical?** ☐ Yes ☐ No ☐ Some are
- **Did it explain how substitutions might change the result?** ☐ Yes ☐ No

3. Dietary Restrictions and Preferences

Prompt 4: "I need a vegan recipe for 6 people that's also gluten-free."

- **Chatbot Response:**

- **Did it provide appropriate recipes?** ☐ Yes ☐ No ☐ Partially
- **How specific were the instructions?** ☐ Very specific ☐ General ☐ Vague

Prompt 5: "My child is allergic to nuts. Is this granola recipe safe?"

- **Chatbot Response:**

- **Did it check all ingredients for allergens?** ☐ Yes ☐ No ☐ Some
- **Was the safety advice appropriate?** ☐ Yes ☐ No ☐ Unsure

4. Cooking Technique Questions

Prompt 6: "How do I know when my chicken is properly cooked?"

- **Chatbot Response:**

- **Did it mention food safety (temperature)?** ☐ Yes ☐ No
- **Were the visual cues helpful?** ☐ Yes ☐ No ☐ Somewhat

5. Equipment and Tools

Prompt 7: "I don't have a stand mixer. Can I still make bread?"

- **Chatbot Response:**

- **Did it offer practical alternatives?** ☐ Yes ☐ No ☐ Some
- **Were the modifications realistic?** ☐ Yes ☐ No ☐ Unsure

6. Time and Planning

Prompt 8: "I have 30 minutes to make dinner. What can I cook?"

- **Chatbot Response:**

- **Were the suggested recipes realistic for 30 minutes?** ☐ Yes ☐ No ☐ Some
- **Did it include prep time in calculations?** ☐ Yes ☐ No ☐ Unclear

Part B: Critical Analysis Questions

Cooking Chatbot Specific Analysis

1. **How well did the chatbot handle dietary restrictions and food allergies?**

- ☐ Excellent – Always considered safety
- ☐ Good – Usually considered safety
- ☐ Poor – Sometimes ignored safety
- ☐ Dangerous – Never considered safety

Cooking Expertise Evaluation

4. **Based on your testing, what cooking skill level does this chatbot seem designed for?**
 - ☐ Complete beginners
 - ☐ Some cooking experience
 - ☐ Intermediate cooks
 - ☐ Advanced cook

5. **Which of Isaac's target audiences would benefit most from this chatbot?**

- ☐ Teenagers cooking alone
- ☐ Singles wanting to impress dates
- ☐ Parents cooking for kids
- ☐ Older folks with limited mobility

Explain your choice:

Accuracy and Reliability

7. **For cooking advice, can you rely on this chatbot 100% of the time? Why or why not?**

8. **Would you trust this chatbot's food safety advice?**

- ☐ Yes
- ☐ No
- ☐ Sometimes

Explain:

Rating Isaac's Chatbot Concept

20. Based on your testing, how would you rate a specialized cooking chatbot for:

- **Learning basic cooking skills:** ☐ Excellent ☐ Good ☐ Fair ☐ Poor
- **Meal planning:** ☐ Excellent ☐ Good ☐ Fair ☐ Poor
- **Handling dietary restrictions:** ☐ Excellent ☐ Good ☐ Fair ☐ Poor
- **Ingredient substitutions:** ☐ Excellent ☐ Good ☐ Fair ☐ Poor

21. Would you recommend Isaac's cooking chatbot idea to someone wanting to learn to cook? ☐ Yes ☐ No

Why or why not?