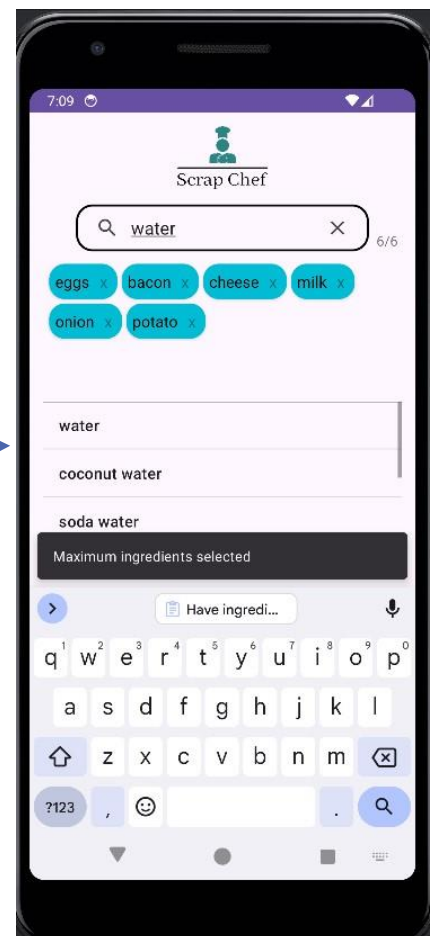
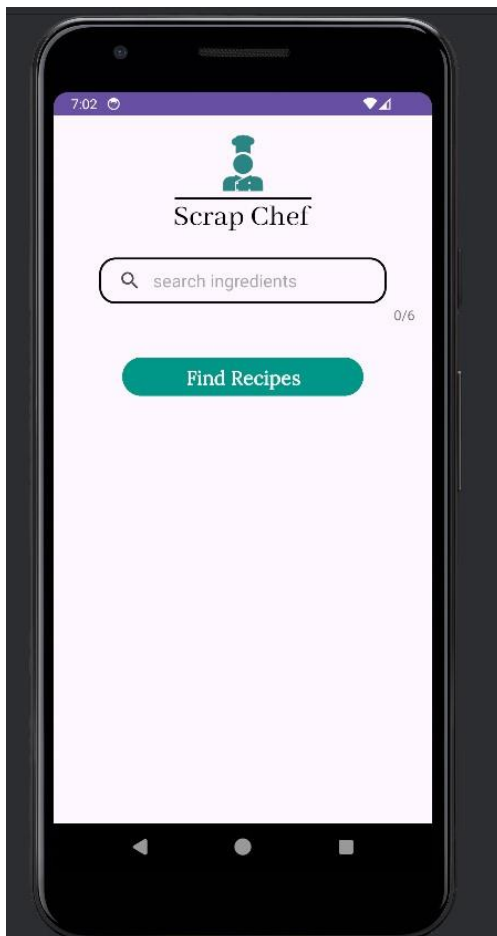




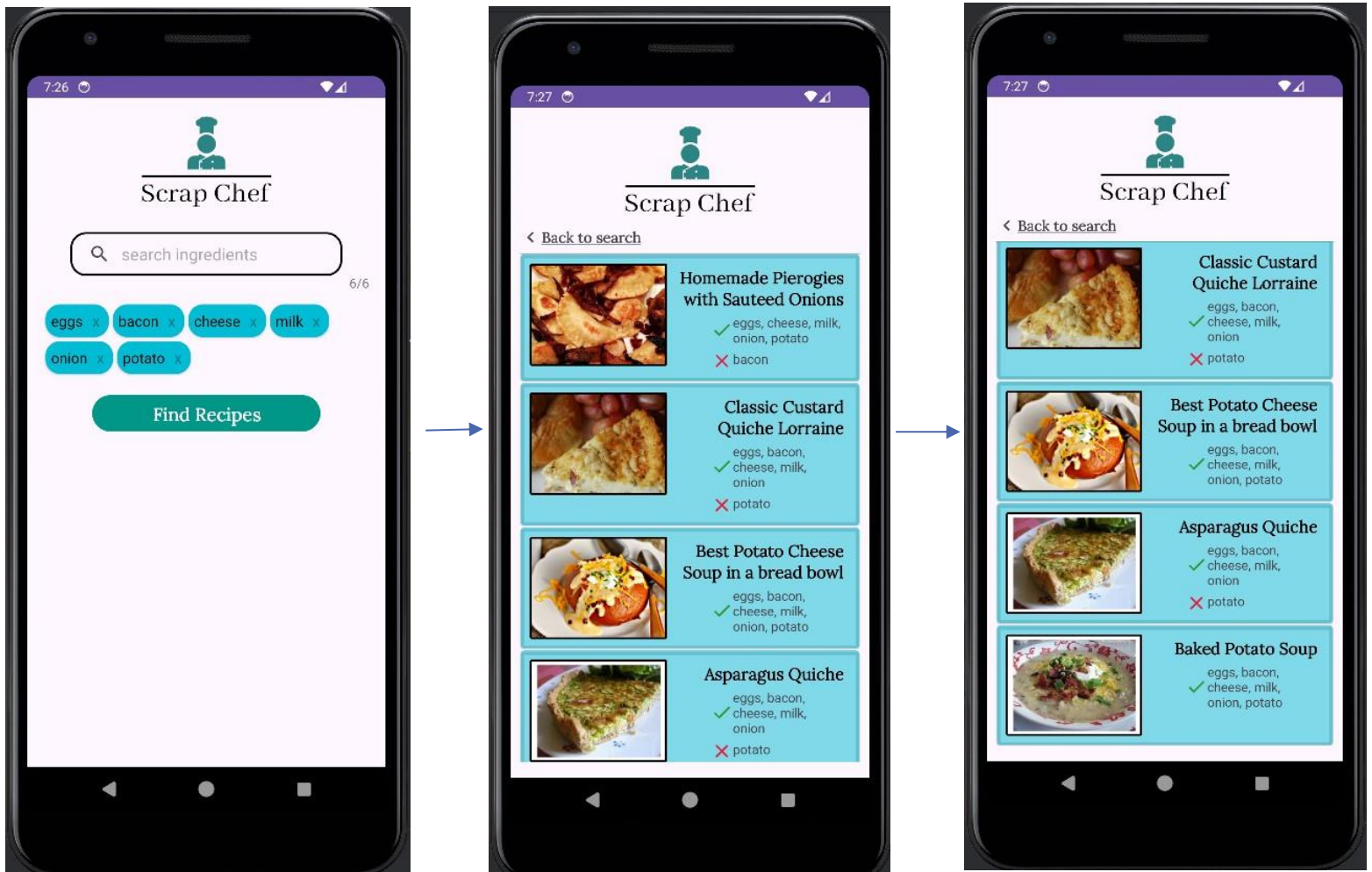
Scrap Chef

Mobile Application Development Project

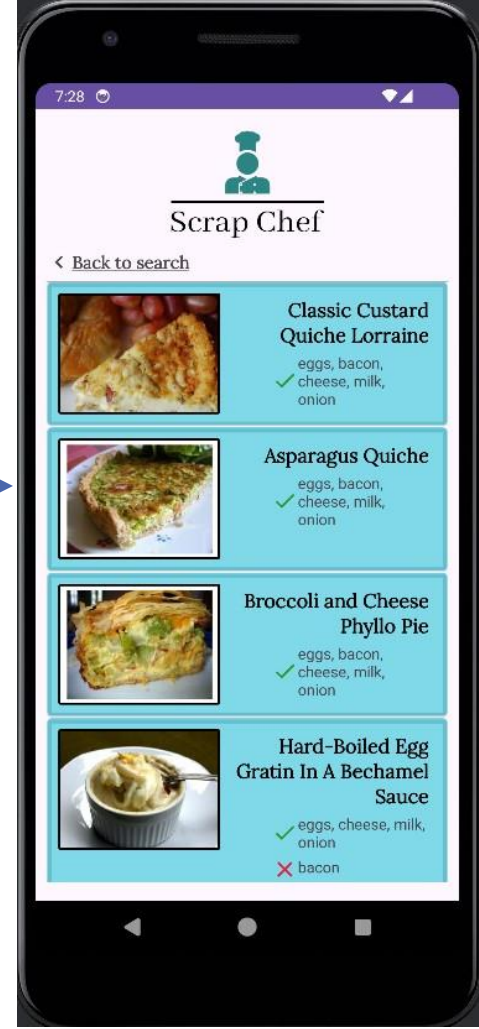
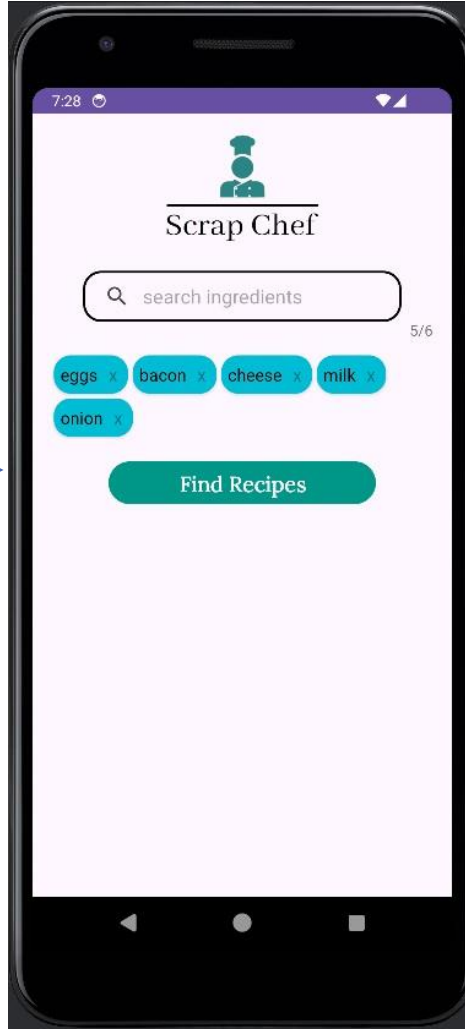
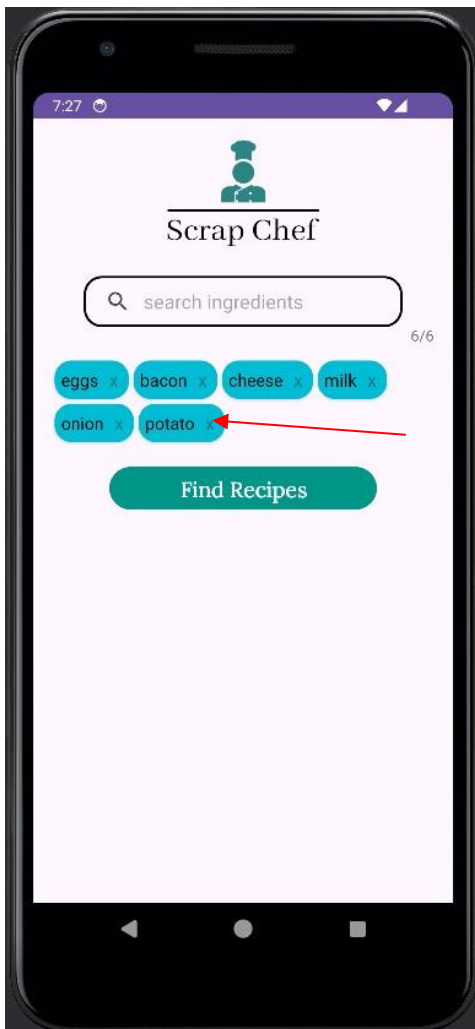
Scrap Chef lets you search for recipes that use the scraps available in your kitchen. Have ingredients but don't know what to make with them? Just type them in the search bar and to add up to 6 ingredients:



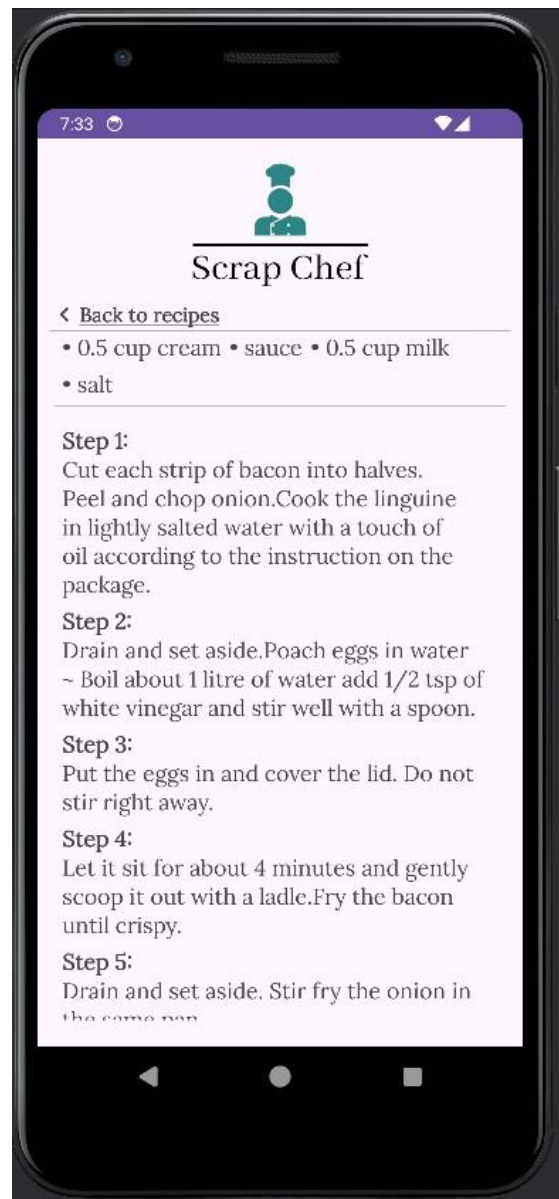
Then tap the 'Find Recipes' button and you can browse recipes that show you which of your ingredients it uses:



Change your mind about an ingredient? Click the 'Back to search' button and remove an ingredient by tapping the small 'x' in the ingredient bubble:

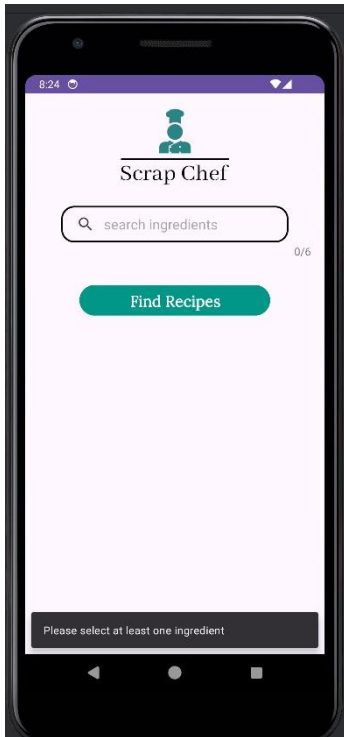


Then just tap on the recipe card to see the directions and ingredient amounts!

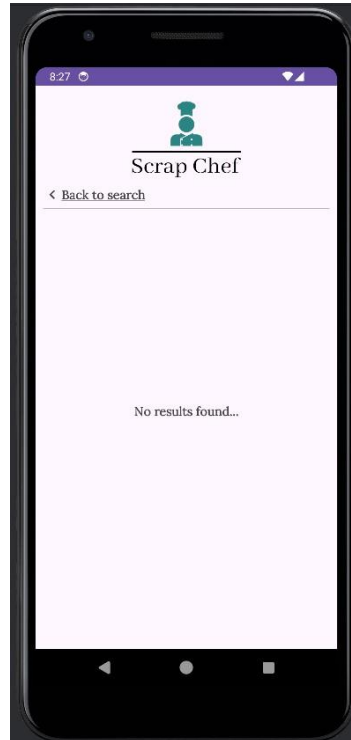


Other scenarios:

Search clicked with no ingredients selected



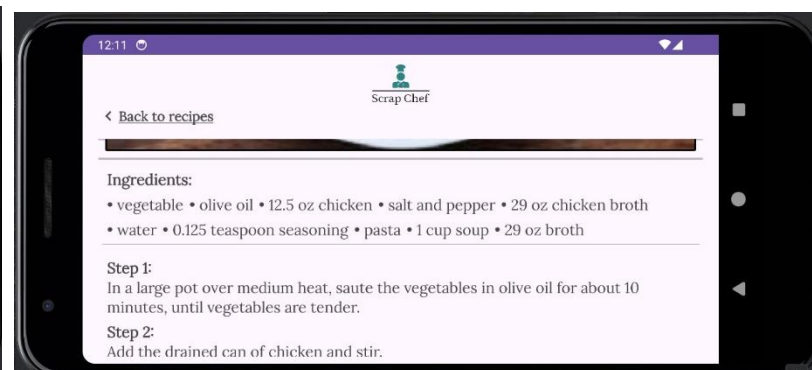
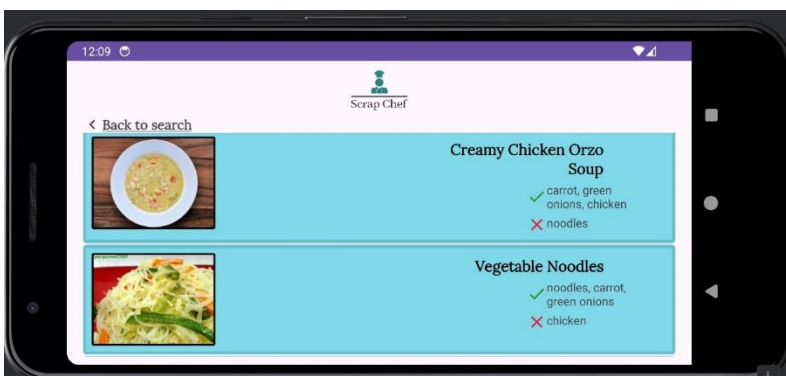
No results found



No recipe found (sometimes the API has a recipe name and other info, but no recipe directions)



Landscape (search screen is locked in portrait because keyboard is too big and ruins layout)



Sources:

-<https://spoonacular.com/food-api> (recipe data)

-<https://logo.com> (scrap chef logo)

-<https://fonts.google.com/specimen/Lora> (font)

-<https://www.youtube.com/watch?v=oE8nZRJ9vxA> (How to Add SearchView in Android App using Kotlin | SearchView | Kotlin | Android Studio Tutorial)

-<https://www.youtube.com/watch?v=lejBUeOSnf8&t=212s> (Custom Transition Animations with Navigation Component | Android Studio Tutorial)

-<https://github.com/google/flexbox-layout> (dynamic layout for holding ingredient bubbles)

-Chat GPT: looking up syntax for things like forcefully hiding the keyboard, programmatically creating widgets, and different ways to scan through lists/maps. Also making some drawable files for the check mark, x symbol, and transition animation files for navigating between fragments.