A blue chef logo with black background

Description automatically generated

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:

A screenshot of a phone

Description automatically generatedA cell phone with a chat message

Description automatically generatedA black rectangular device with a white screen

Description automatically generated

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

A cell phone with a search menu

Description automatically generatedA screenshot of a menu

Description automatically generatedA screen shot of a phone

Description automatically generated

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:

A screenshot of a menu

Description automatically generatedA screenshot of a phone

Description automatically generatedA cell phone with a search menu

Description automatically generated

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

A cell phone with text on it

Description automatically generatedA close-up of a recipe

Description automatically generated

**Other scenarios:**

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

No results found

Search clicked with no ingredients selected

A close up of food

Description automatically generatedA screen shot of a phone

Description automatically generatedA black phone with a white screen

Description automatically generated

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

A screenshot of a menu

Description automatically generated

A screenshot of a recipe

Description automatically generated

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.