Recipe manager app

An application for writing, viewing, and managing personal recipes.

# Description

My idea for the application is a recipe manager for personal recipes. I want the user to be able to create recipes and to organize them into collections in a similar way that, for example, in Spotify the user can arrange saved songs into playlists.

# Components

The app will make use of:

* Intents
* Fragments
* User layer
  + ViewModel
* RecyclerView for recipe list
* Data layer for database
* Local storage (Room) OR external storage (Firebase)
  + Both if it makes sense to implement

# Features

* Create a recipe
  + The user can create a new recipe which includes:
    - Title
    - Description
    - Ingredients
    - Instructions
* View a recipe
  + The user can view the contents of an existing recipe
* Edit an existing recipe
  + The user can edit any of the fields of an existing recipe
* Delete a recipe
  + The user can delete any recipe
  + This will also remove the recipe from any collections it was present in
* Add a recipe to a collection
  + The user can add a recipe to an existing collection or create a new collection to which the recipe is automatically added
* Search for a recipe
  + The user can search for a recipe by name
* Create a collection
  + The user can create an empty collection with a unique name
* View a collection
  + The user can view the recipes in an existing collection
* Edit an existing collection
  + The user can edit an existing collection by
    - Changing the title
    - Removing recipes from the collection
* Delete a collection
  + The user can remove an existing collection
  + This will NOT delete the recipes
* Search for a collection
  + The user can search for a collection by name

# Design

Wireframes of the main screens of the app.

A screenshot of a cell phone

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