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Top Recipes

Description

We are certain that you will create find and share many delicious recipes
that will be great for you, your family, and your friends!

Intended User

This app is for cooking lovers

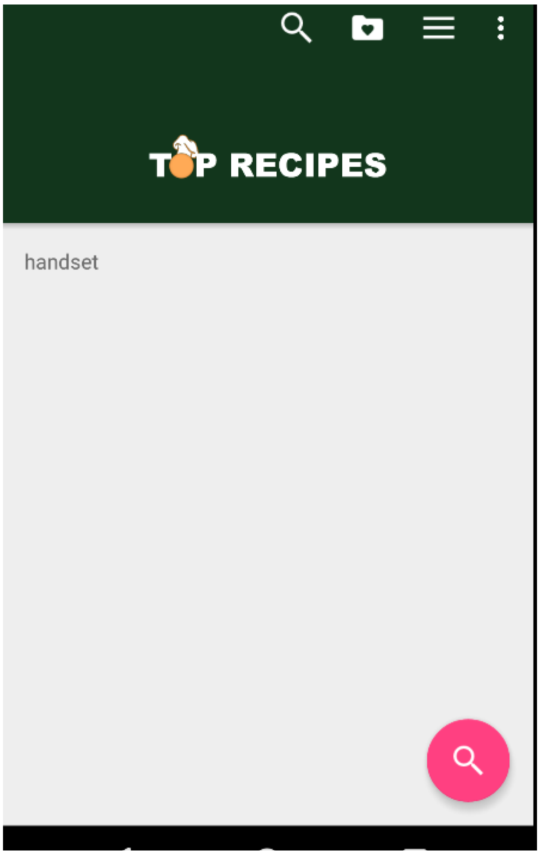
Features

- Toolbar with:
    - Menu with search option and about this application
    - Favorite

    - Search
- Search activity:
    - Suggestion
    - Auto complete
    - User can search by recipe name
    - User can search by ingredients
- List activity result:
    - Gridlayout with photos
    - Recipe name
    - Time to be prepared
- Recipe details activity:
    - Recipe big image
    - Recipe title
    - Recipe source
    - Recipe made by
    - Number of likes from recipe api
    - Ready in minutes
    - Number of serving persons as per recipe api
    - Ingredients list
    - Directions in how to prepare the recipe

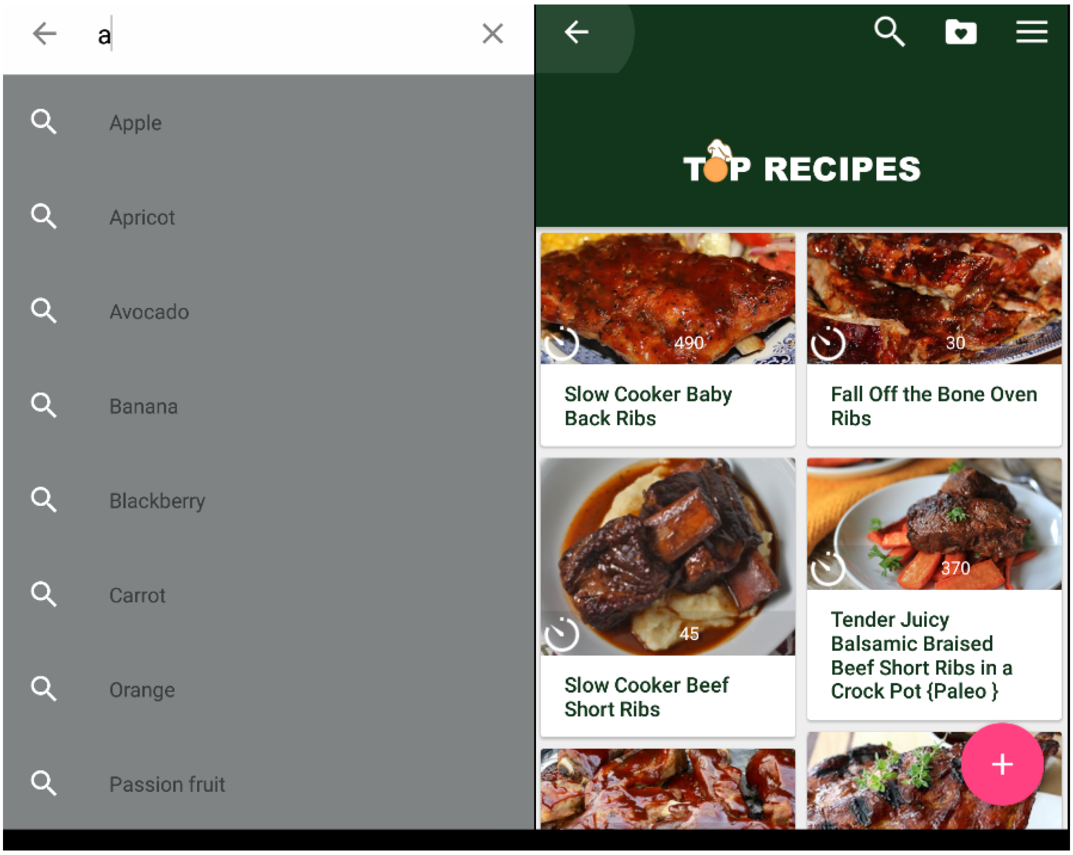
User Interface Mocks

Screen 1



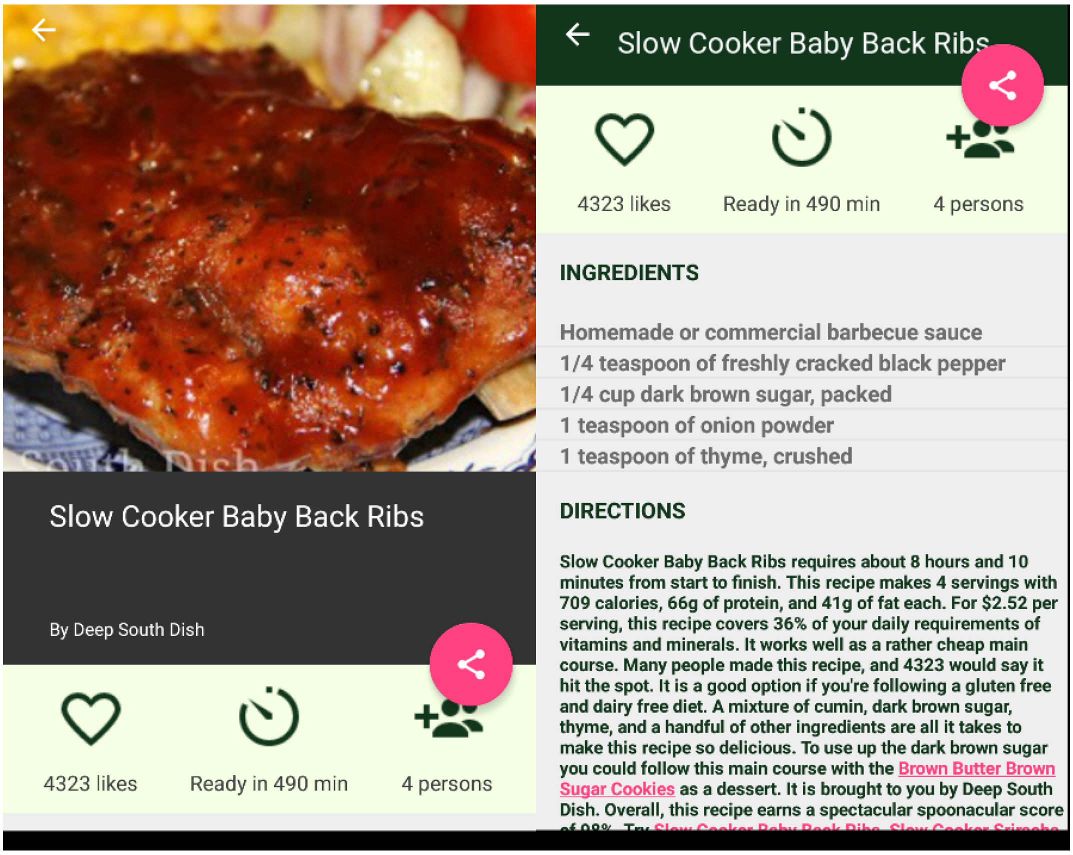
Main page of Top Recipes app

Screen 2


a
Apple
Apricot
Avocado
Banana
Blackberry
Carrot
Orange
Passion fruit
TOP RECIPES
490
Slow Cooker Baby Back Ribs
30
Fall Off the Bone Oven Ribs
45
Slow Cooker Beef Short Ribs
370
Tender Juicy Balsamic Braised Beef Short Ribs in a Crock Pot {Paleo }
+

Searchview with suggestion and Top Recipes result

Screen 3



Slow Cooker Baby Back Ribs

By Deep South Dish

4323 likes Ready in 490 min 4 persons

Slow Cooker Baby Back Ribs

4323 likes Ready in 490 min 4 persons

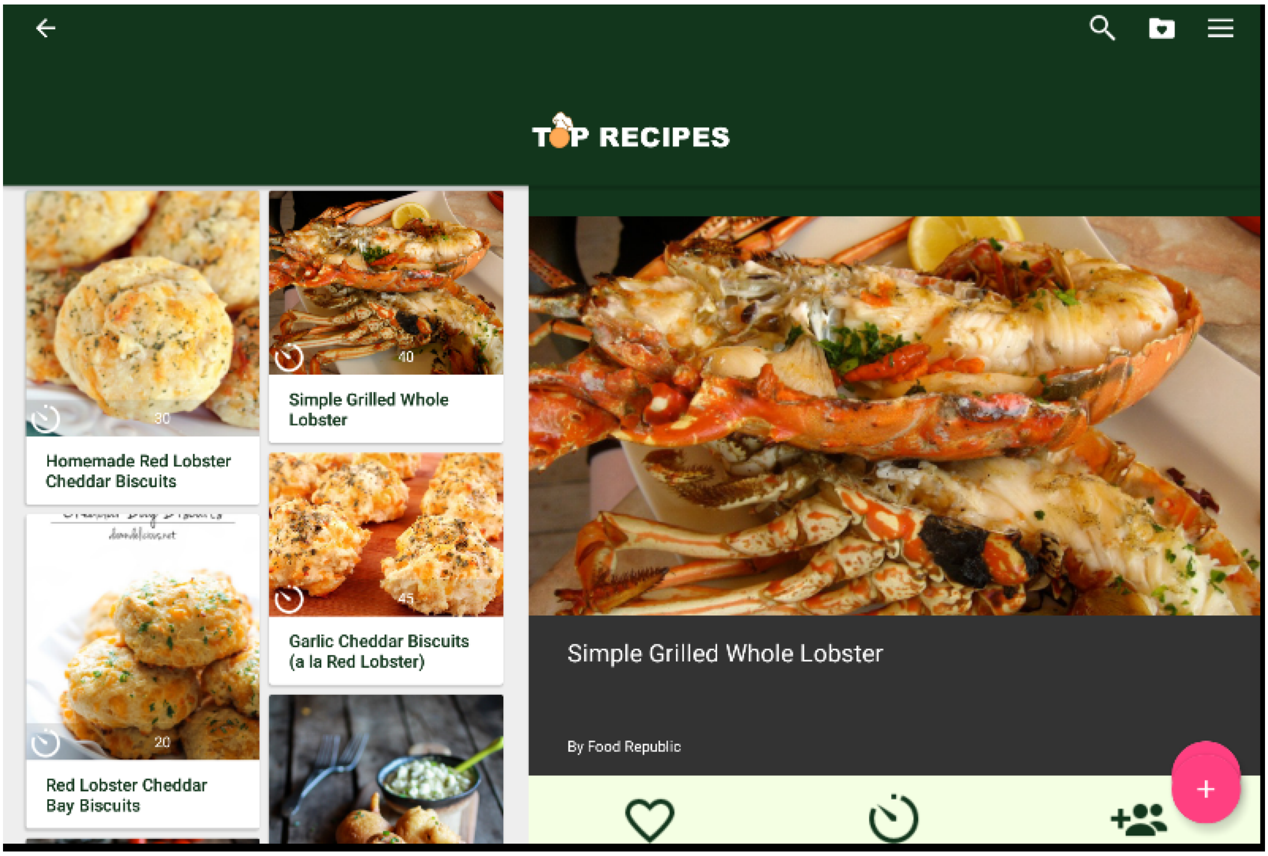
INGREDIENTS

Homemade or commercial barbecue sauce
1/4 teaspoon of freshly cracked black pepper
1/4 cup dark brown sugar, packed
1 teaspoon of onion powder
1 teaspoon of thyme, crushed

DIRECTIONS

Slow Cooker Baby Back Ribs requires about 8 hours and 10 minutes from start to finish. This recipe makes 4 servings with 709 calories, 66g of protein, and 41g of fat each. For $2.52 per serving, this recipe covers 36% of your daily requirements of vitamins and minerals. It works well as a rather cheap main course. Many people made this recipe, and 4323 would say it hit the spot. It is a good option if you're following a gluten free and dairy free diet. A mixture of cumin, dark brown sugar, thyme, and a handful of other ingredients are all it takes to make this recipe so delicious. To use up the dark brown sugar you could follow this main course with the Brown Butter Brown Sugar Cookies as a dessert. It is brought to you by Deep South Dish. Overall, this recipe earns a spectacular spoonacular score of 98%. Try Slow Cooker Baby Back Ribs, Slow Cooker Sriracha

Recipe details


TOP RECIPES
30
Homemade Red Lobster Cheddar Biscuits
40
Simple Grilled Whole Lobster
20
Red Lobster Cheddar Bay Biscuits
45
Garlic Cheddar Biscuits (a la Red Lobster)
Simple Grilled Whole Lobster
By Food Republic
+

Tablet view

Key Considerations

How will your app handle data persistence?

Application will have its own Content Provider and data will be saved on database
App saves a "Favorited" recipe to database using the recipes’s id.
When the "favorites" setting option is selected, the main view displays the entire favorites collection based on recipes IDs stored in on database

Google Services:

- Login google account
- Admob
- Or Analytics

Describe any corner cases in the UX.

- UI contains an element menu to toggle search preferences such as number of request result, default is 20.

- UI contains a Top Recipes logo on Toolbar
- Top Recipes are displayed in the main layout displays introduction about this tools plus search option on an floating action button and on toolbar menu

- UI contains a screen for displaying the details for query results.
- Recipe result are displayed in the layout via a cardview of their corresponding recipe poster thumbnails with title and preparation time. I progress bar should play while loading data in background and before content be visible.

- Recipe Details layout contains, photo, title, author, ingredient list and recipe directions
- Recipe Details layout contains a sub component to display icon and information such as time to prepare, number of serving person and number of likes for this specific recipe.
- Recipe Details layout contains a floating action button to share recipe image
- Tablet UI uses a Master-Detail layout implemented using fragments. The left fragment is for discovering recipes. The right fragment displays the recipes details view for the currently selected recipe
- Up and Back button will have same behavior on navigation

Describe any libraries you’ll be using and share your reasoning for including them.

For example, Picasso or Glide to handle the loading and caching of images.
The following tools will be used on this project:
1- Retrofit 2.0 to fetch data from API, this one is easy to implement and some developer friends told me they use it on real world.
2- Api that will used is called Spoonacular from https://market.mashape.com/dashboard. I got this one because i can do a free number of request a day and I love cooking.
3- Picasso will be used to handle images. I used to it.
4- SearchView library from br.com.mauker.materialserchview, was the best and easy solution to search with suggestion that I've found on android arsenal.
5- EventBus library to handle notification from retrofit requests. I'll use it such as a callback, to handle background events when my request from api get finished.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and decompose them into tangible technical tasks that you can complete incrementally until you have a finished app.

Task 1: Project Setup

- Configure libraries
- Create Top Recipes logo
- Draw a layout
- Get api license

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for SearchActivity
- Build UI for Recipes Result
- Build UI for Recipes Details
- Build UI for Tablet format
- Implement Toolbar adding favorite, search and hamburger menu
- Add a floating search function on MainActivity
- Add information on Main Activity body, example; about application and how to search

Task 3: User Interface functions

- When a user changes the search result, search the list will display maximum of result as per selection option(It may be less result due to number of occurrence found)
- When a recipe poster thumbnail is selected, the recipe details screen is launched [Phone] or displayed in a fragment [Tablet].
- In the recipe detail screen, a user can tap a button to mark it as a Favorite
- Implement Share action
- Implement paralax on recipe details
- Implement add to favorite button colors
- Implement interface with icons and informations about recipe to be displayed on Thumbnail and Recipe details.

Task 4: Network API Implementation

- In a background thread, app queries the spoonacular API using search criteria quantity specified in the settings menu and user string query on a searchview (recipe name or ingredient).
- App requests for recipe details for a selected recipe via the spoonacular endpoint in a background thread and displays those details for the selected one.
- Create Interface to implement API using Retrofit
- Create rest client
- Create a POJO class for Recipe and Recipes details
- Create sync services
- Implement Loaders on Recipe results

Task 5: Data persistence

- Create a database using SQLite
- Create Content Provider
- Create SyncAdapter
- App saves a "Favorited" recipe to database using the recipes’s id.
- When the "favorites" setting option is selected, the main view displays the entire favorites collection based on recipes IDs stored in on database

Task 6: Google Play Services

- Implement Google Analytics
- Implement Google Login. User can add on favorite only if logged in using google account.

Task 7: Core Platform Development

- App includes support for accessibility
- App keeps all strings in a strings.xml file and enables RTL layout switching on all layouts.
- App provides a widget to provide relevant information to the user on the home screen.

Submission Instructions

1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "Capstone Project"
3. Add this document to your repo. Make sure it's named "Capstone_Stage1.pdf"