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iCook

Description

Search and cook new and exciting recipes.

- If you are on a diet or looking to explore exotic cuisine or just not sure what to make out of the food in your fridge, the app will help you to find the perfect recipe.
- Not sure what food to buy? Just select a recipe and add all the ingredients to the shopping basket.
- Make a list of your favorite recipes.
- Share recipe with friends.

Intended User

This an app for people who love to cook.

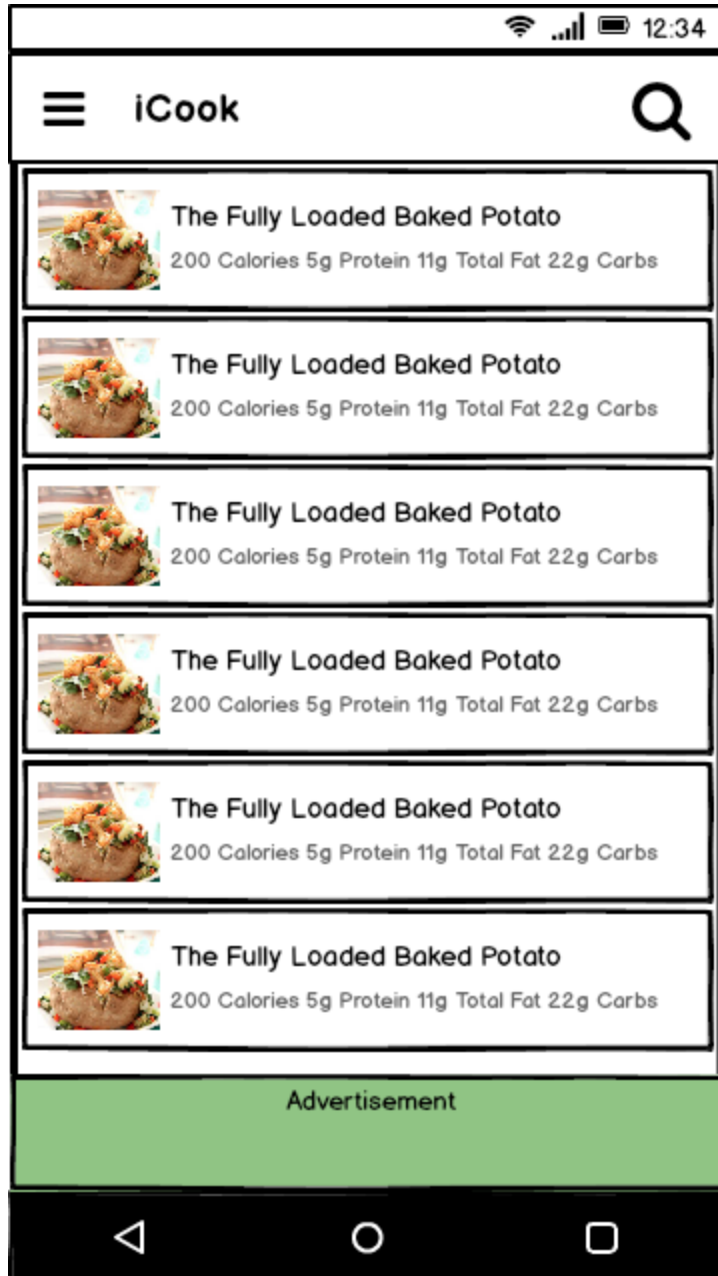
Features

- Quick search for recipes
- Advanced search for recipes
- Search for similar recipes
- Displays recipe ingredients, cooking instruction, nutritional information
- Stores ingredients in the shopping list
- Stores recipe in favorites list
- Shares recipe details
- Shopping list widget

User Interface Mocks

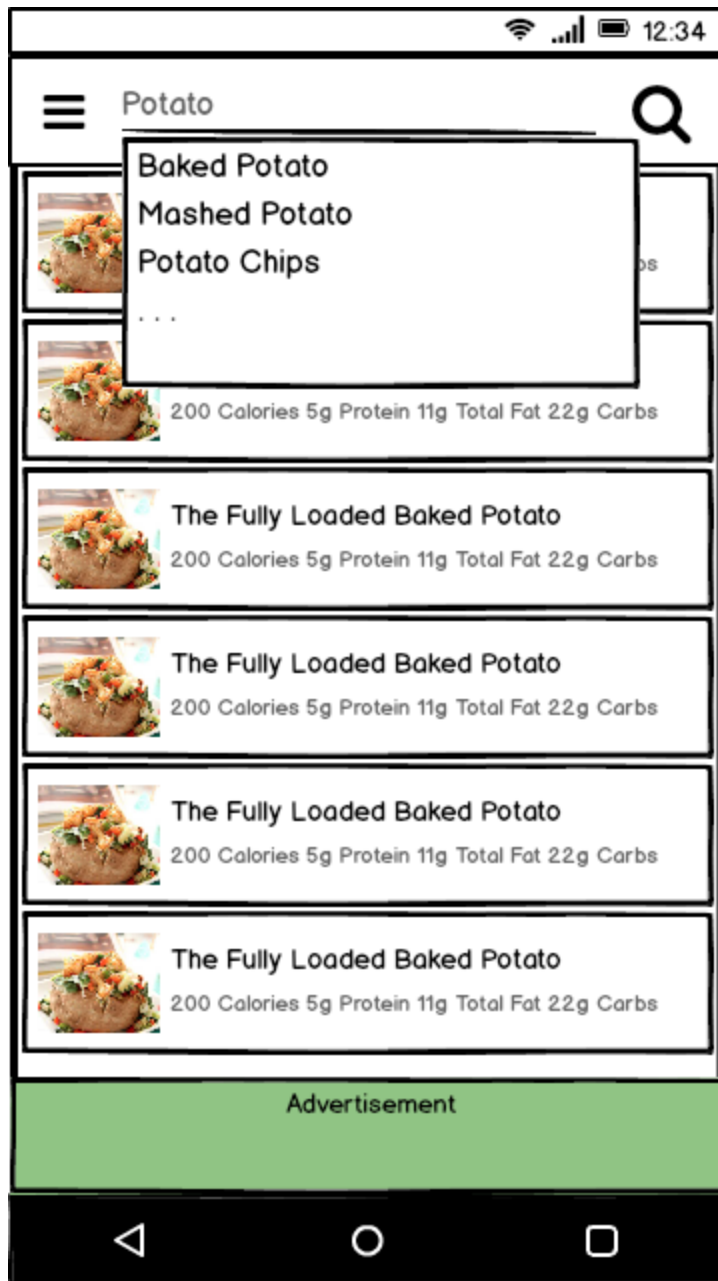
Screen 1

Home screen / Quick search



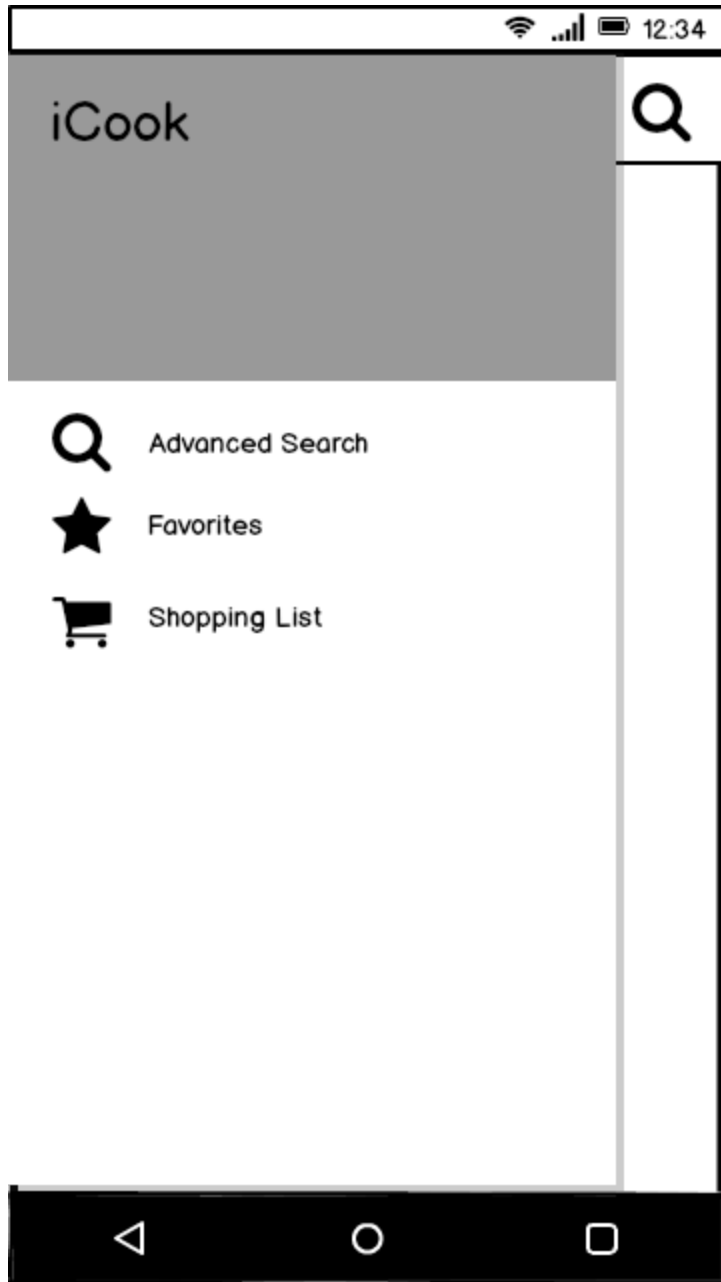
Screen 2

Search auto completion



Screen 3

Slide out menu



Screen 4

Advanced search

12:34

←

Advanced Search

Meal Type

Selection Text

Cuisine

Selection Text

Diet

Selection Text

Intolerances

Selection Text

Min. Calories

Max. Calories

Min. Carbs

Max. Carbs

Min. Fat

Max. Fat

Min. Protein

Max. Protein

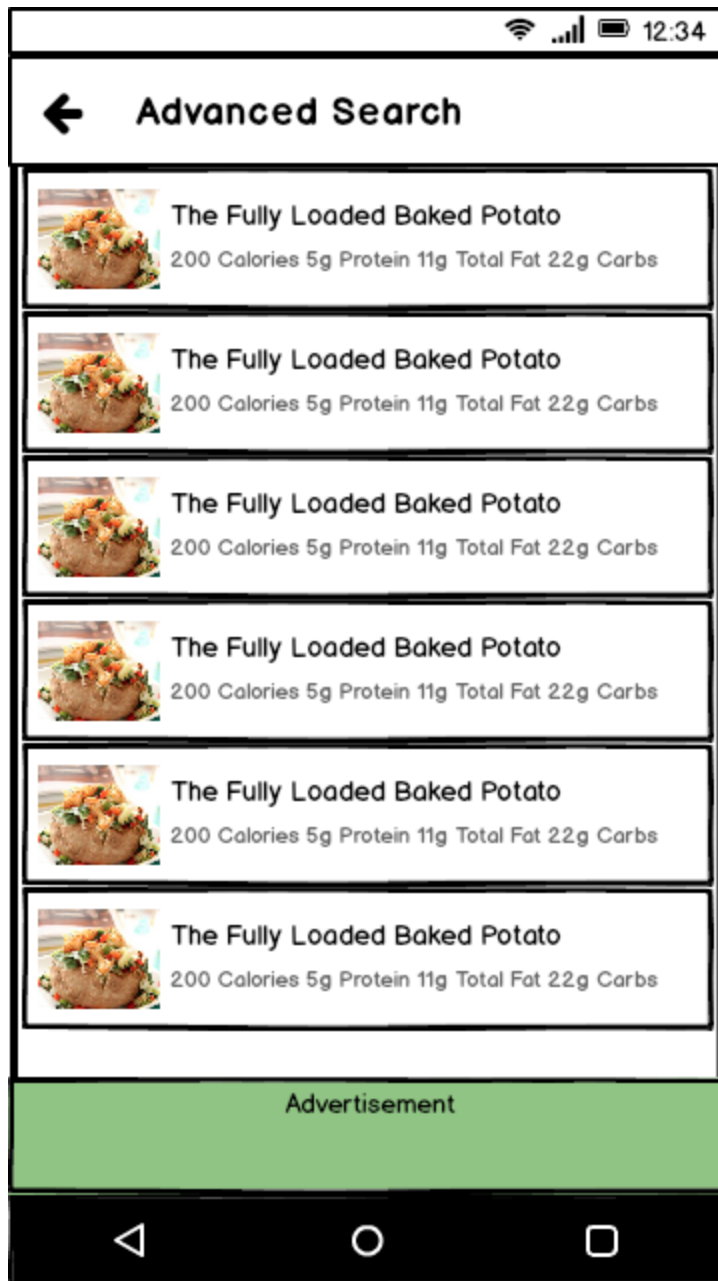
Include Ingredients

Exclude Ingredients

SUBMIT

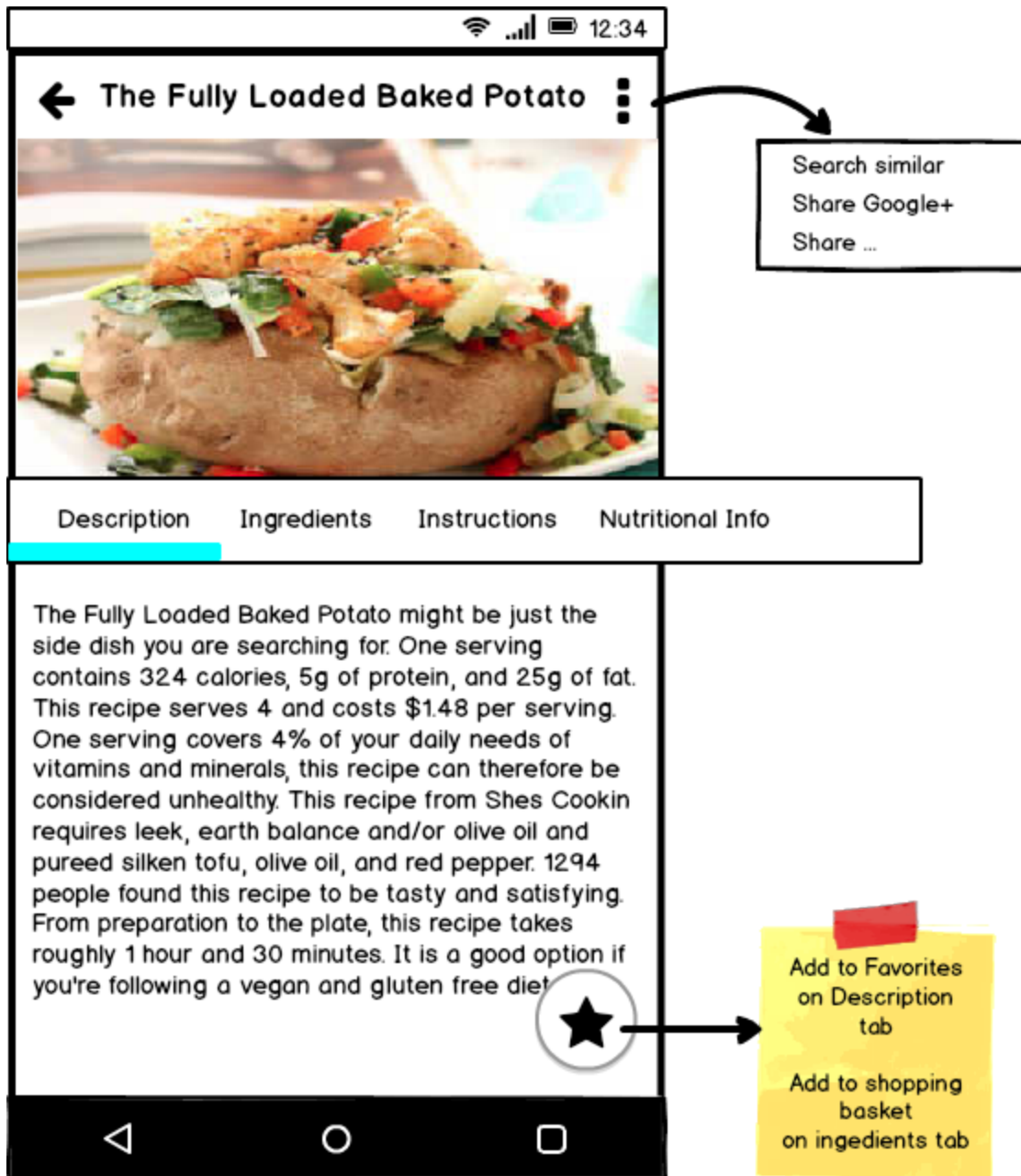
Screen 5

Advanced search result



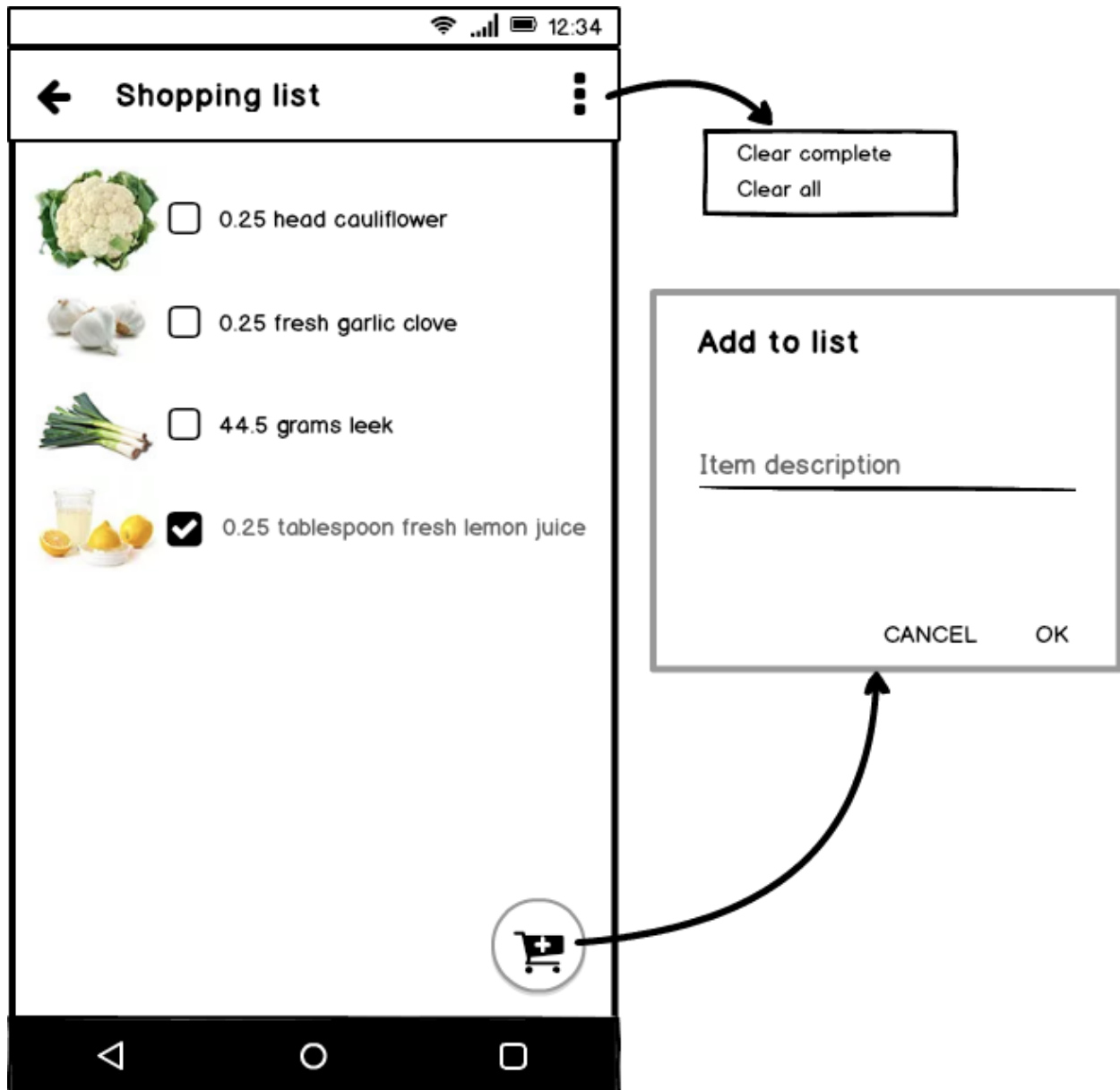
Screen 6

Recipe details (Tab bar is scrollable)



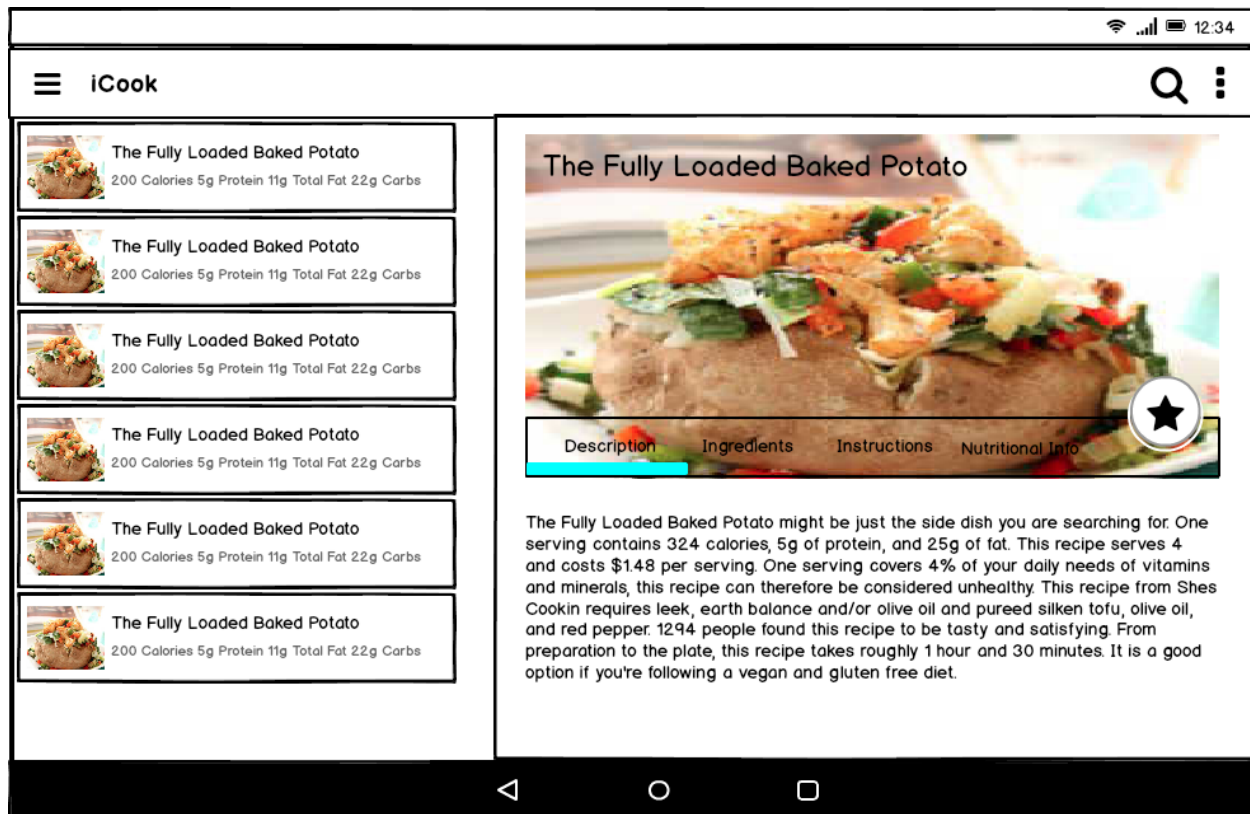
Screen 7

Shopping list



Screen 8

Tablet layout



Key Considerations

How will your app handle data persistence?

Will create Content Provider to store the following

- Cache search result
- Cache recipe details
- Favorites
- Shopping list

Describe any corner cases in the UX.

On the app start-up will restore latest search result from the Content Provider.

Will use Intents to move between activities.

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

Spoonacular Food API

Picasso to handle the loading and caching of images

Describe how you will implement Google Play Services.

Google+ for sharing of recipes

Google Mobile Ads to integrate advertisements into the app

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

- Create new project using Android Studio

- Configure libraries
- Create GitHub repo and configure git remote
- Configure app signing
- Configure API keys

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for AdvancedSearchActivity
- Build UI for SearchResultActivity
- Build UI for FavoritesListActivity
- Build UI for RecipeDetailsActivity
- Build UI for ShoppingListActivity
- Build UI for Shopping list widget
- Build Tablet layouts
- Implement saving state on orientation change
- Make sure every UI includes accessibility and RTL

Task 3: Data Source

- Build Content Provider
- Build IntentService to pull data from the web API
- Build Loaders
- Add image caching with Picasso

Task 4: Google Services

- Build rich content sharing for Google+
- Build Google Ads

Task 5: Test

- Test on Phone
- Test on Tablet
- Fix bugs

Task 6: Submit

- Clean and format source code
 - Submit
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