

# Capstone Project

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An application for looking up recipes for alcoholic and non-alcoholic cocktails. It retrieves JSON data from an API service and uses an SQLite database for caching.

## User Facing Components

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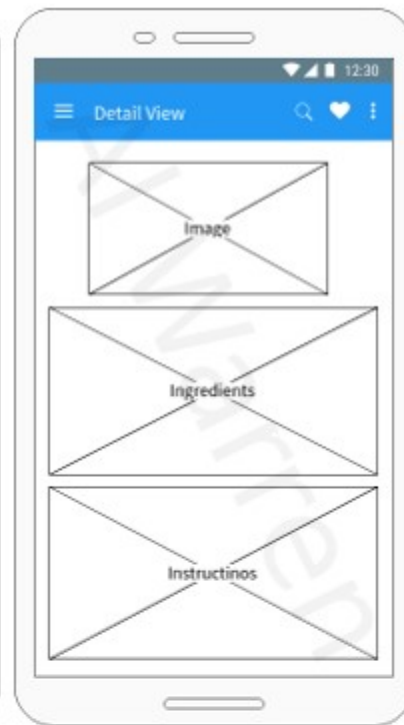
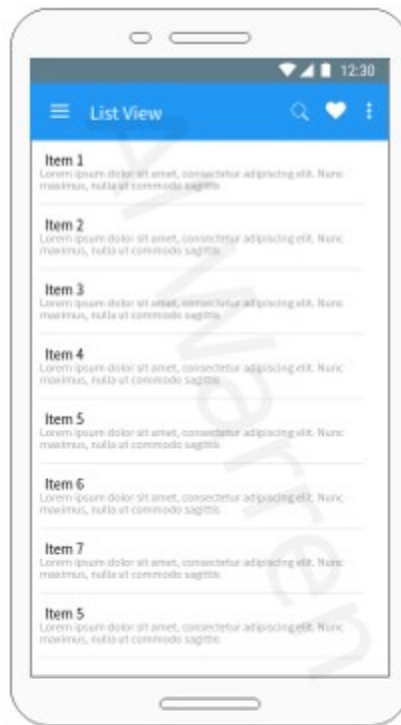
There are two activities comprising two activities and three views.

### Activities

1. Main Activity

### Views

1. List Fragment View
2. Detail Fragment View
3. Menu View

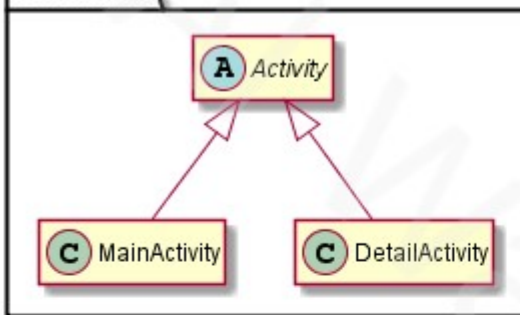


# Software Components

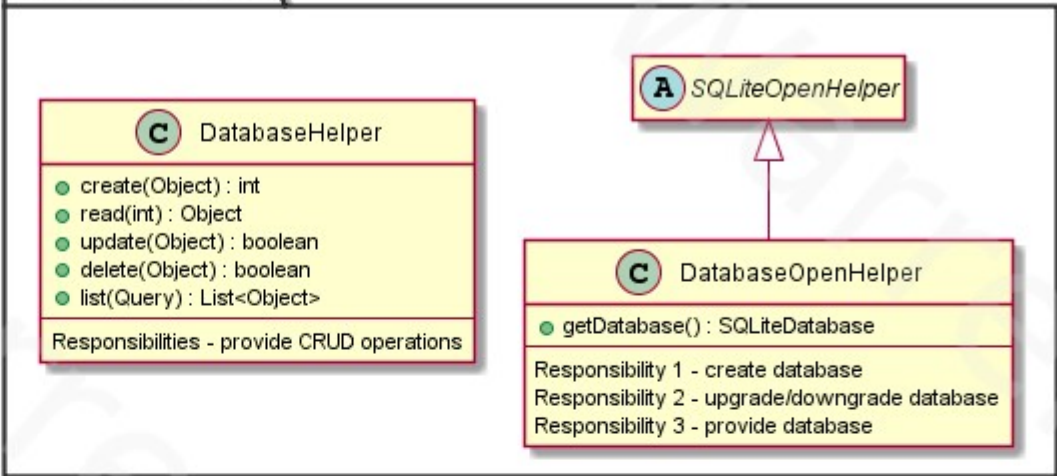
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The application uses SQLite for persistent storage, IntentService for background operations, and BroadcastReceiver for communicating back from the service.

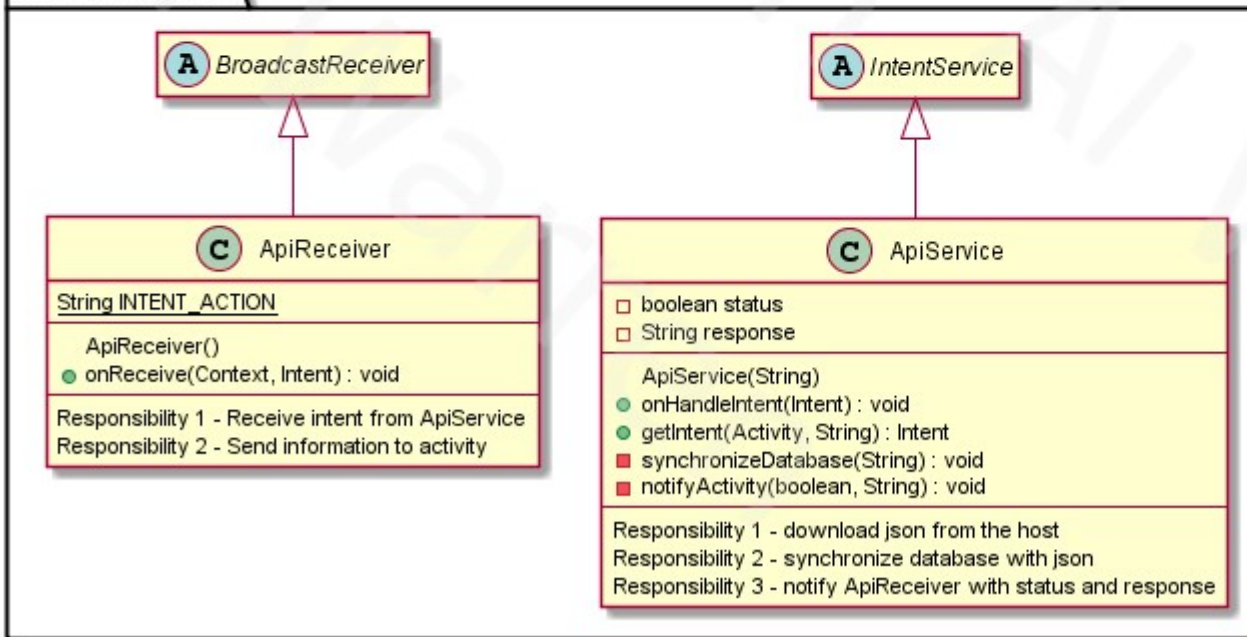
## Activities



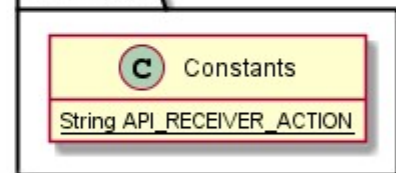
## PersistentStorage



## Communication



## Common



# Web Service

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[TheCocktailDB](#) - an open online database of cocktail recipes.

## Endpoints

```
Lookup full cocktail details by id  
http://www.thecocktaildb.com/api/json/v1/1/lookup.php?i=15112
```

For more information visit the [API Documentation and Forum](#).

# Prototype

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## Notes:

A few classes have changed since the first milestone. Particularly, ApiService was renamed to JsonService. ApiReceiver is now an instance variable at the top of Main Activity.

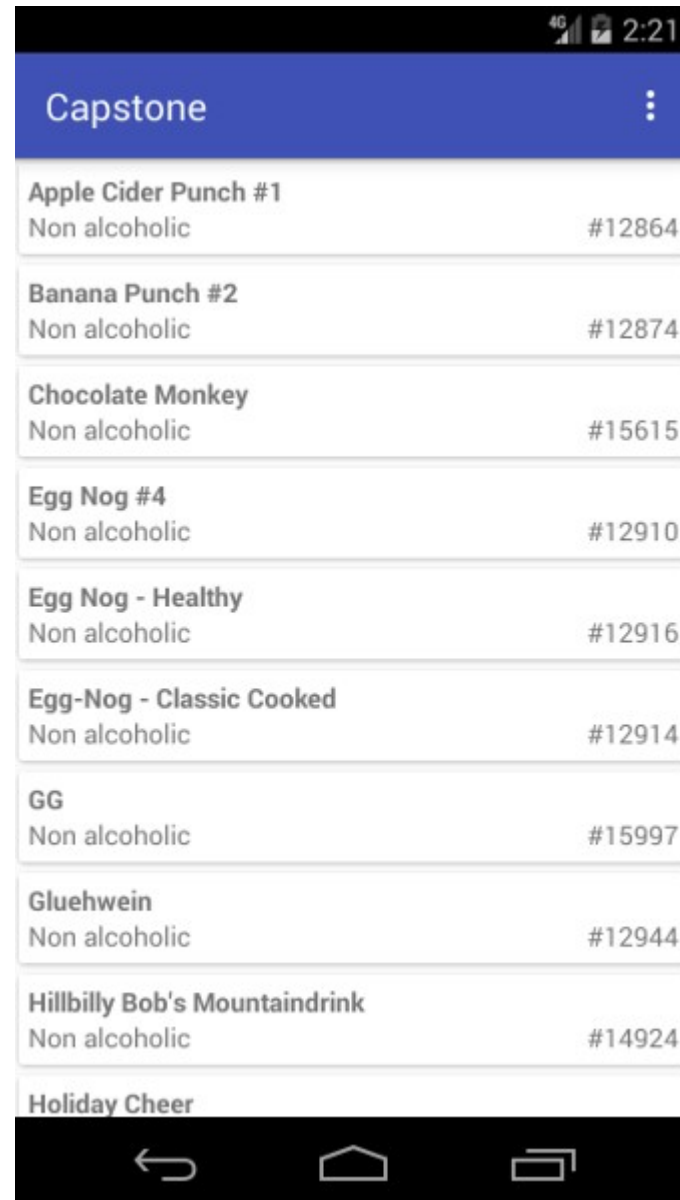
## Views

The following views are used to demonstrate background operations and the content provider:

## List Fragment View

Demonstrates a content provider.

Scroll through the list and click a drink to retrieve it's ingredients and mixing instructions.



## Detail Fragment View

Demonstrates a BroadcastReceiver.

Demonstrates an IntentService

Demonstrates calling an API service through the internet.

Displays an image of a drink if available, the ingredients, and mixing instructions.



## Menu View

Selecting an option filters the data.

