



Spiral

# Coding Home Challenge

2025 / 2026

## Goals

- 1. Complete as much of the task as possible.**
- 2. Implement clean code according to best practices.**
- 3. Design as close as possible to the spec, but don't spend too much time on it.**
- 4. You are welcome to use any third-party dependencies you like.**
- 5. You are welcome to use AI coding assistants (e.g., Claude, Cursor, Copilot). Be prepared to discuss which tools you used, example prompts, and your workflow.**
- 6. Please use NextJS and TypeScript throughout the app, using either App Router or Pages Router.**
- 7. You are not required to handle network connection errors.**
- 8. Extra credit:**
  - Add unit tests for at least one component or helper function.
  - Incorporate Storybook and add stories for at least one component.
  - Deploy your app to Vercel/Netlify/etc. and share the live URL.

## Submission

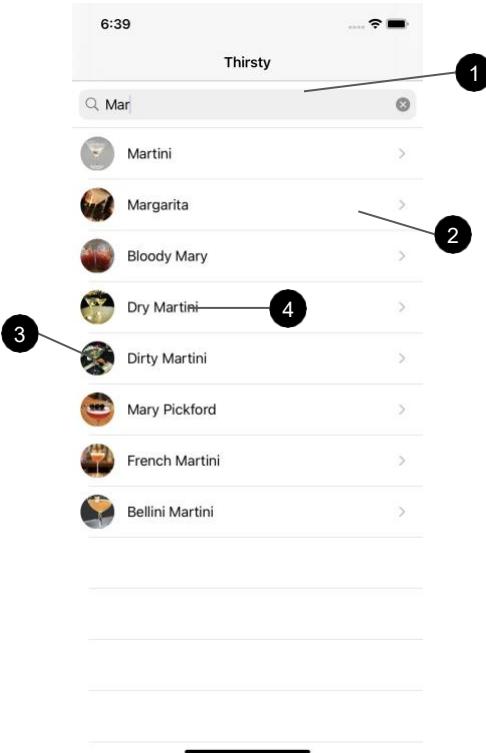
- 1. Make sure the project builds before submitting it for review.**
- 2. Include a README with setup instructions.**
- 3. If you deployed your project, please include the live URL in the README.**
- 4. Share a GitHub repository link (make sure it's public or invite [brennanheisler](#)).**
- 5. Please contact us if you have any additional questions! ([brennan.heisler@spiral.us](mailto:brennan.heisler@spiral.us))**

## Goals

### Thirsty drink finder app

- The objective is to create an app that finds and displays drink recipes by name.
- You will use a free REST cocktails search API to retrieve results by name and display them in a list view
- These results will drill down into a details page that shows the full ingredients list as a color-coded legend and a pie chart representing the ingredients by ratio
- The details page will also display the recipe instructions
- Do not worry about making the designs look like iOS; the images included are just for reference.
- Feel free to add any additional UI or changes that you see fit.

## Initial Search screen breakdown

**1. Search bar:**

- o A basic search bar with default params
- o Placeholder: "Find a drink"
- o Should reload results on every input change

**1. List cell**

- o Row height: **60**

**1. Image view**

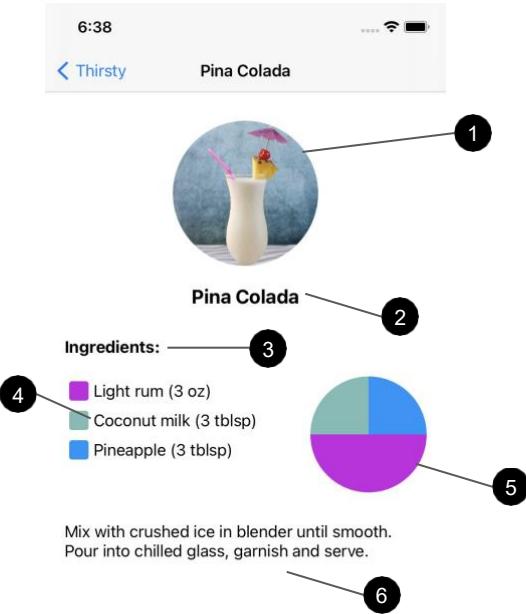
- o Margins - Left: **10**, Right: **15**, Top: **10**, Bottom: **10**
- o Size: **40px**
- o Displayed as Circle

**1. Name**

- o Font size: **17** (you are welcome to use any font you prefer)
- o Vertically centered with image view

If not specified above, you are free to style the screen however you prefer.

## Cocktail detail screen overview



## 1. Image View:

- Margins - Top: **30**
- Horizontally centered

## 2. Name

- Font size: **20**, Bold (any font)
- Margins - Top: **20**
- Horizontally centered

## 3. Ingredients label

- Margins - Left: **20**, Top: **30**, Bottom: **20**
- Font size: **17**, Bold (any font)

## 4. Legend

- Font size: **17** (any font)
- Margins - Left: **20**, Right: **20**, Top: **20**, bottom: **20**
- Each ingredient will have its own color square of size **20x20**, corner radius: **3**
- Each ingredient will have its own randomly generated color assigned to it  
*(Extra credit: Use pastel colors)*
- Ingredients should wrap to multiple lines if long

## 5. Pie chart

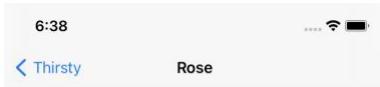
- Margins - Left: **20**, Right: **20**, Top: **20**, Bottom: **20**
- Size: **120**
- Display corresponding ingredients based on ratio

## 6. Instructions

- Margins - Left: **20**, Right: **20**, Top: **30** from the bottom of the pie chart or legend, whichever is greater, Bottom: **20** (screen should scroll if content goes long)
- Font size: **17** (any font)

If not specified above, you are free to style the screen however you prefer.

## Cocktail detail screen information



Rose

## Ingredients:

- Dry Vermouth (1/2 oz)
- Gin (1 oz)
- Apricot brandy (1/2 oz)
- Lemon juice (1/2 tsp)
- Grenadine (1 tsp)
- Powdered sugar



Shake together in a cocktail shaker, then strain into chilled glass. Garnish and serve.

## Handling ingredients:

1. Ingredients will come through the API in different units of measurement (oz, cup, tsp, tbsp, cl)
2. Choose a standard unit and convert the rest for the pie chart display
3. If an ingredient doesn't match one of your supported units, don't display it in the pie chart
4. The API can sometimes return funny data, so don't worry about 100% coverage, but try to support as many measurement types as possible

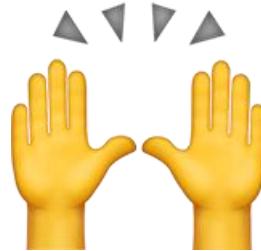
# API

We are using thecocktailedb.com API

(<https://www.thecocktailedb.com/api.php>)

- Use the search endpoint to retrieve results by drink name:  
<https://www.thecocktailedb.com/api/json/v1/1/search.php?s=margarita>
- There is no API key required

# GOOD LUCK!





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Thank You!