# Practice Problem Workshop 8:
# Part I - Individual Practice Questions

INFO 2310, Spring 2026

**Student ID:** Solution **NetID:**

## Overview

**Retrieval practice** is the act of actively recalling information from memory, like quizzing oneself.

This workshop is designed to help you prepare and study for upcoming exams by engaging in retrieval practice.

## Part I: Individual Practice Questions

**Credit:** 10 points. (completion)

1. Open this booklet and try your best to answer the practice problems **individually**.

   If you need to refer to your notes, you can. But you should try to answer the questions on your own first, without looking at your notes. (This will help you prepare for the upcoming exam.)

2. Once a majority of the class has answered the practice questions on their own, **form groups of 3-4 people and go over the questions together**.

   Discuss the questions and share your answers with the group.

   You should update your answers in this booklet if necessary.

   Discussing the answers will help you practice retrieving the information from memory and will also help you learn from your peers.

Submit this booklet for completion credit.

# Practice Problem 1

Author a **design system** and a design **single-page application** for a recipe website.

**Design System:**

Using natural language, describe the design system for your recipe SPA.

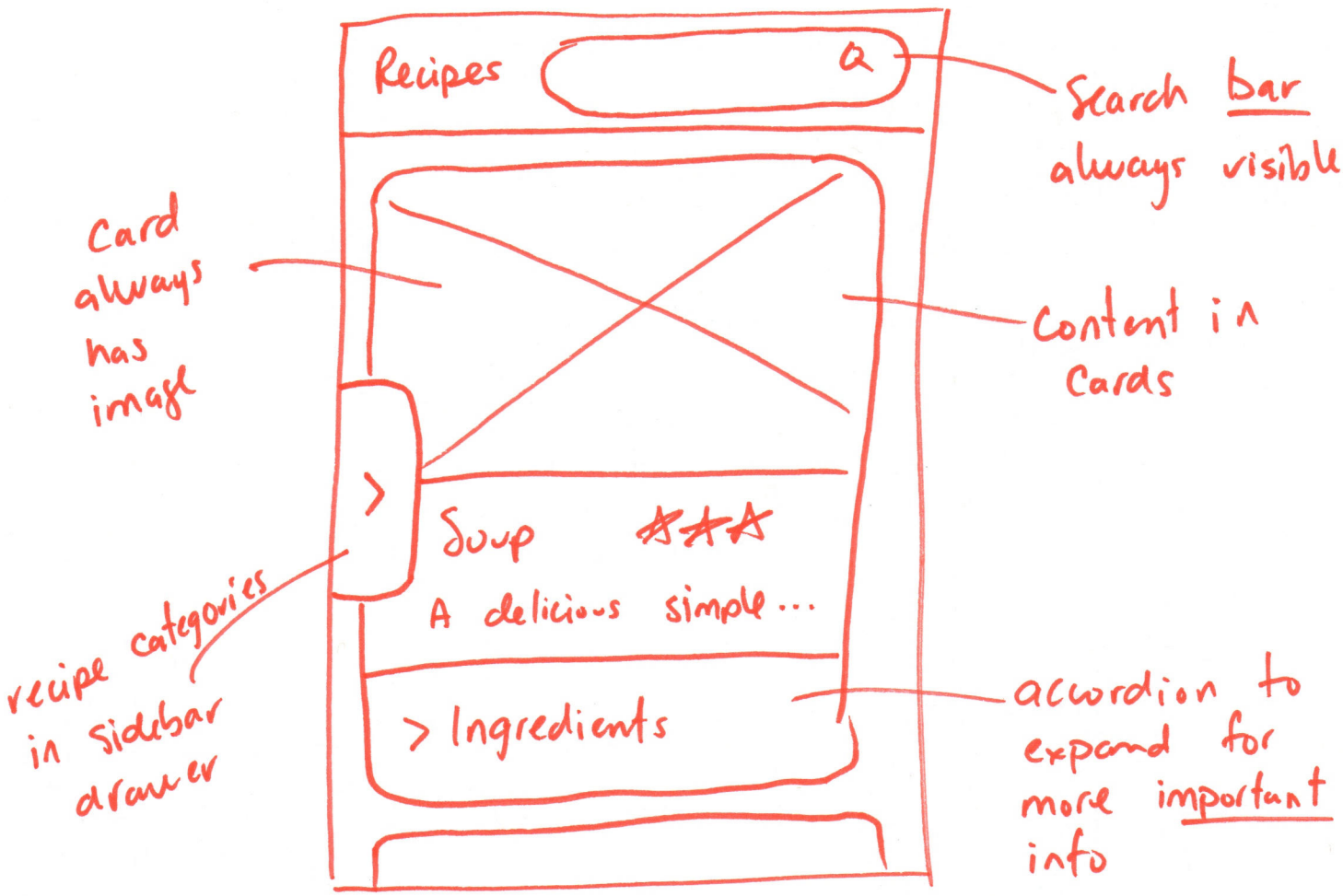
style guide: yellow-orange color palette with subtle rounded corners. Spacing is plenty spacious. Serif font for headings — sans for content.

Component Library: Cards, buttons, search bar, sidebar drawer, accordion

Pattern Library: Main content (include recipe) is cards, images first, search always visible in header, instructions in accordion.

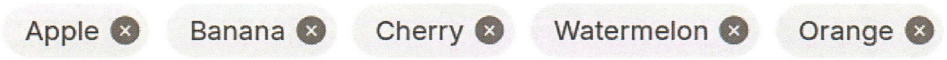
**Single-Page Application:**

Sketch the design of a single-page application for **sharing** recipes. This SPA will primarily be used on mobile devices. **Label** the trending interactive web application design patterns that you used in your design.



## Practice Problem 2

Implement a library component for a *dismissible chip (pill)* and style it using Tailwind CSS:




**Hint:**

```
export default function App() {
  const [fruits, setFruits] = useState(["Apple", "Banana", "Cherry",
"Watermelon", "Orange"]);
  return (
    <div className="flex gap-2">
      {fruits.map((fruit, index) => (
        <Chip key={index} onClose={() => removeFruit(fruit)}>
          {fruit}
        </Chip>
      ))}
    </div>);
}
```

```
export default function Chip({children, onClose}) {
  return (
    <div className="flex items-center gap-1 px-3 py-1
                    bg-slate-200 rounded-full">
      <span>{children}</span>
      <button onClick={onClose} className="text-slate-500
                                           hover:text-slate-700">
        &times;</button>
    </div>
  )
}
```