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Final Project
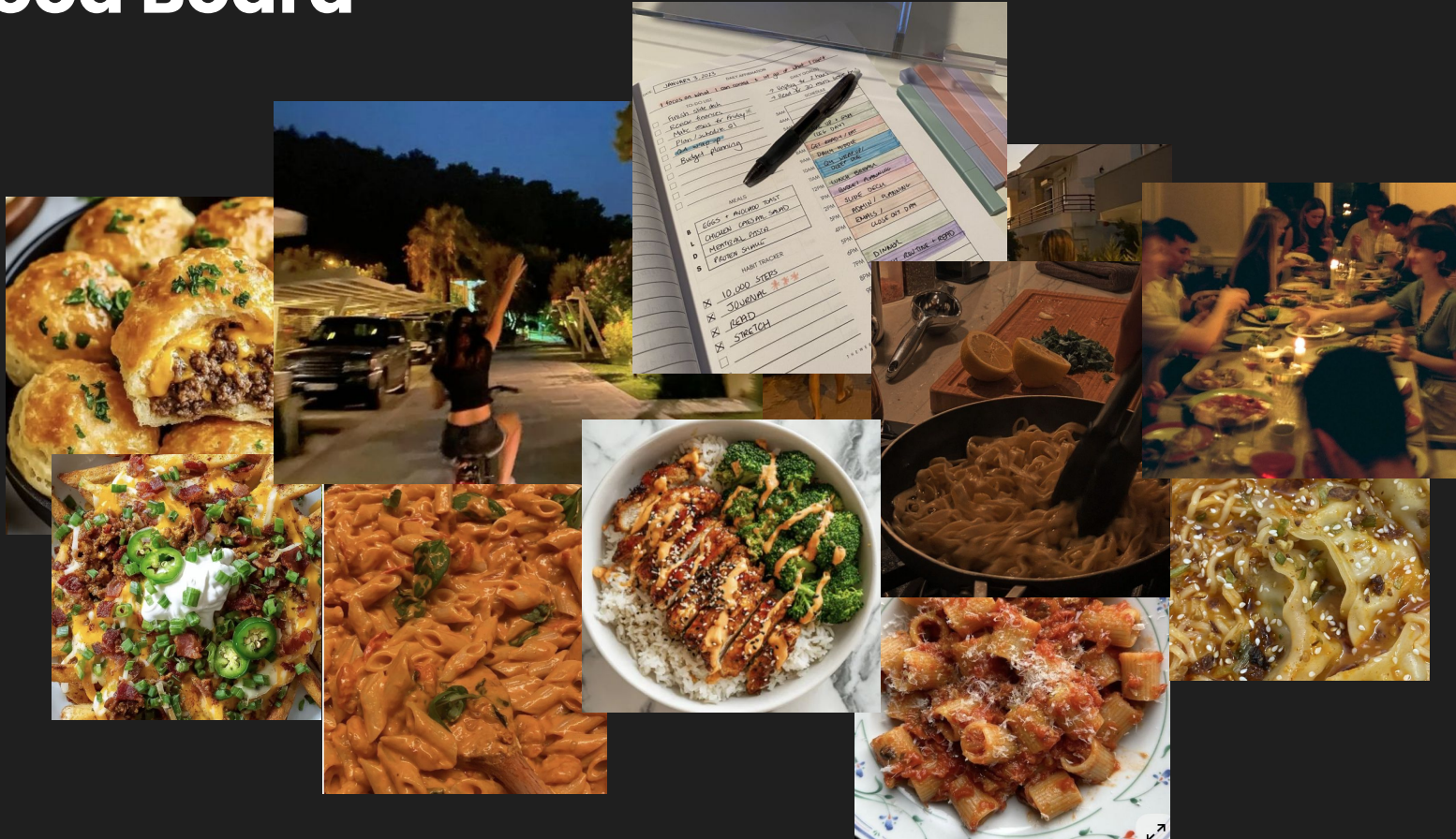
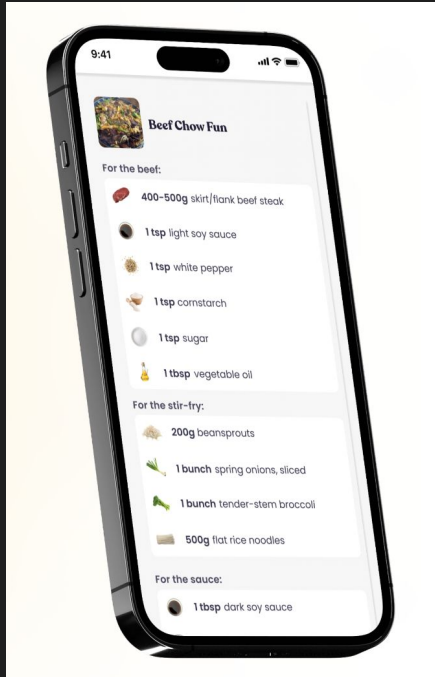Dec.　2nd　2025
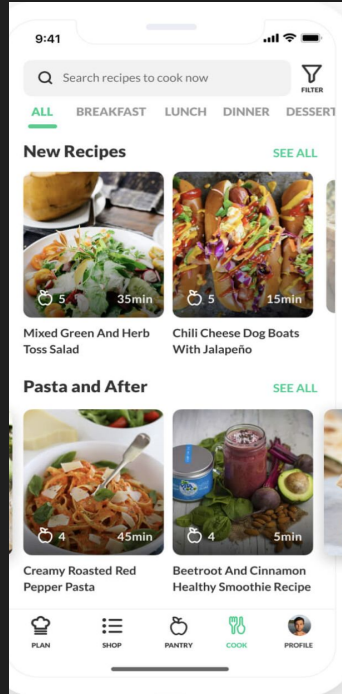
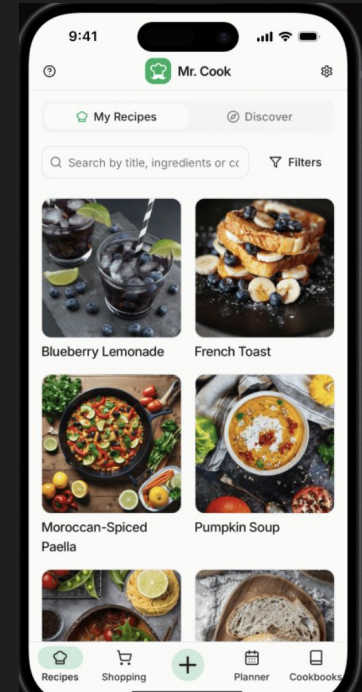# Mood Board

Inspo/existing Apps

ReciMe

Cooklist

Mr.Cook

Necessary Concepts

To allow data persistence:

- **JSON Server or Integration to a SQL database:** To allow users to save recipes and have future-planned features

- **Context:** Will be integrated with my existing LocalStorage logic or SQL database

- **API Requests:** To fetch data from the database and create new recipes in the database

Demo

Code Snippets

API Request

```
You, 14 minutes ago | I author (You)
const API_BASE_URL =        You, 13 minutes ago • weekly note updates + fi
  process.env.REACT_APP_API_BASE_URL || "http://127.0.0.1:8000";

export async function fetchRecipes() {
  const res = await fetch(`${API_BASE_URL}/recipes`);
  if (!res.ok) {
    throw new Error(`Failed to fetch recipes: ${res.statusText}`);
  }
  return res.json();
}

export async function fetchRecipeByVideoId(videoId) {
  const res = await fetch(`${API_BASE_URL}/recipes/video/${videoId}`);
  if (!res.ok) {
    throw new Error(`Failed to fetch recipe: ${res.statusText}`);
  }
  return res.json();
}
```

Context of Recipes

```
const RecipesContext = createContext(null);

export function RecipesProvider({ children }) {
  const [recipes, setRecipes] = useState([]);
  const [loading, setLoading] = useState(true);
  const [error, setError] = useState(null);

  const loadRecipes = async () => {
    setLoading(true);
    setError(null);
    try {
      const data = await fetchRecipes();
      setRecipes(data);
    } catch (err) {
      console.error(err);
      setError("Failed to load recipes from server");
    } finally {
      setLoading(false);
    }
  };
```

Code Snippets

SQLite from backend server

```python
def _store_recipe_sqlite(user_id: str, recipe_data: Dict[str, Any]) -> None:
    """
    Store recipe, ingredients, steps and generation log into SQLite.
    """
    if sqlite_conn is None:
        raise RuntimeError("SQLite connection is not initialized")

    cur = sqlite_conn.cursor()

    recipe_insert_data = (
        recipe_data["title"],
        recipe_data["video_id"],
        recipe_data.get("servings"),
        recipe_data.get("prep_time"),
        recipe_data.get("cook_time"),
        recipe_data["nutritional_info"].get("calories"),
        recipe_data["nutritional_info"].get("protein"),
        recipe_data["nutritional_info"].get("carbs"),
        recipe_data["nutritional_info"].get("fat"),
    )

    cur.execute(
```

Thank you!