

SPECIFICATION DOCUMENT

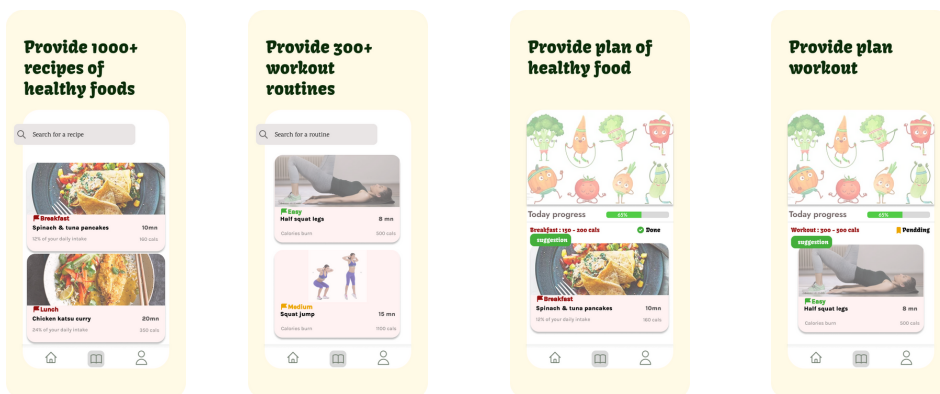


SmartEats - Healthy Eating and Workout App

Objectifs

SmartEats is an mobile application designed to help users adopt healthy eating habits and a regular workout routine. The app will provide users with a collection of healthy recipes and workout routines, as well as a platform for connecting with other health-conscious users. Additionally, the app will allow users to take a photo of their food and receive information about the ingredients and nutrition of the food.

Features



Recipe library #1 :

A database of healthy recipes for breakfast, lunch, dinner, and snacks. Users can filter recipes by dietary requirements (e.g. gluten-free, vegan, low-carb) and search for specific ingredients.

Workout library #2 :

A database of workout routines, including strength training, cardio, yoga, and more. Users can filter workouts by duration, intensity level, and type of exercise.

Meal planner #3 :

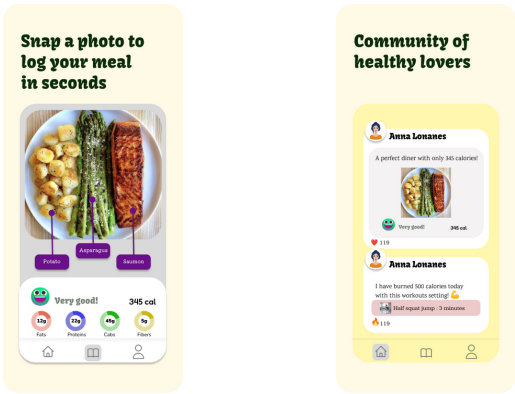
A feature that allows users to plan their meals for the week, using the recipe library. Users can also create a grocery list based on their meal plan.

Workout planner #4:

A feature that allows users to schedule their workouts for the week, using the workout library. Users can set reminders for their workouts.

Progress tracker #5:

A feature that allows users to track their progress in terms of weight loss, muscle gain, and other fitness goals. Users can input their measurements and track their progress over time.



Social media #6:

A platform for users to connect with other health-conscious individuals. Users can share their progress, recipes, and workouts with their followers. Users can also join groups based on their interests and goals.

Food photo analysis #7:

A feature that allows users to take a photo of their food and receive information about the ingredients and nutrition of the food. The app will use image recognition technology and a food database to identify the food and provide nutritional information.

Technical requirements

| Technicals | Details |
|------------------------------|---|
| Cross-platform | The app should be available on both iOS and Android platforms |
| User-friendly interface | he app should be easy to navigate and use, with clear instructions and visuals |
| Secure user accounts | Users should be able to create an account and login securely. The app should also include a password reset feature. |
| Database | The app should have a secure and scalable database to store user data, including recipes, workouts, and user accounts |
| API integration | The app should be integrated with third-party APIs, including fitness tracking apps and social media platforms |
| Image recognition technology | The app should use image recognition technology to analyze food photos and identify the food |

Tech stack





Design requirements

| Design | Details |
|-------------------------|--|
| Modern and sleek design | The app should have a clean and modern design, with a consistent color scheme and typography |
| Visuals | The app should include high-quality images of recipes and workout routines |
| Customization | Users should be able to customize the app's interface based on their preferences (e.g. dark mode, font size) |

Testing requirements

| Testing | Details |
|---------------------|--|
| User testing | The app should be tested by a group of beta users to identify and fix any bugs or usability issues |
| Quality assurance | The app should be tested thoroughly to ensure that it meets all technical and design requirements |
| Performance testing | The app should be tested for performance and scalability, to ensure that it can handle |

Delivery requirements

App store / Google play submission:

The app should be submitted to the App Store and Google Play Store for approval.

Documentation:

The app should include documentation for developers and users, including a user manual and API documentation.