



GREEN CHECK

Title : **Green Check**

1. Introduction

Overview of the app's purpose: Helping users make healthier food choices using barcode scanning.

Key features: Color-coded grading system, alternative recommendations, health visualization, and sustainability insights.

2. Core Features

a. Barcode Scanning

Users can scan a product's barcode or manually enter the barcode number. Fetch product information from a database.

b. Color-Coded Food Grading System (Custom Algorithm)

Green ☒ – Excellent quality, no harmful additives.

Yellow  – Moderate quality, minimal additives.

Red  – Highly processed, unhealthy, or dangerous.

Factors considered: Nutritional value, processing level, artificial additives, sugar content, sustainability factors.

c. Alternative Recommendations

If a product is red, suggest healthier alternatives based on:

Similar taste but healthier (e.g., peanut butter instead of chocolate).

Budget-friendly options (customized based on income range).

Sustainability factors (eco-friendly packaging, ethical sourcing).

d. Health Visualization

Users see a visual representation of how their diet affects their body:

Good Diet → Healthy body image.

Moderate Diet → Slightly affected health.

Bad Diet → Negative health impact.

e. Time Deduction Feature

Example: "Each pizza slice removes 7 minutes from your lifespan" (based on research).

Shows cumulative impact over time.

f. Weekly Progress Tracker (Graph)

Displays weekly food scan history.

Tracks improvement or decline in food quality choices.

Motivates users to eat healthier.

3. Additional Features for **User Engagement**

a. Sustainability Insights

Educates users on eco-friendly packaging and sustainable food choices.

Highlights brands with ethical sourcing and low carbon footprints.

b. Personalized Recommendations Based on Income

Helps users find **healthy** & **affordable alternatives**.

Ensures accessibility for all economic backgrounds.

4. How It Helps **People**

Promotes health-conscious eating with instant feedback on food quality.

Encourages sustainable choices for both personal and environmental well-being.

Educates users on long-term health impact through visualizations & time deduction features.

Motivates change with weekly tracking and alternative suggestions.