CS 360 Project 3

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App Release Plan: "WeightWise: Weight Recording and SMS Reminders"

I. Application Description and Icon Design



Application Name: WeightWise

Brief description: Record your daily weight, check historical trends, and send text message reminders to keep your health goals in line.

WeightWise is a lightweight and practical weight recording app that helps users maintain a regular routine on their health management journey. You can easily record your daily weight, view historical data, and receive text message reminders when you record a new weight (authorization required). Whether you want to lose weight, gain weight, or maintain your status quo, WeightWise is your trusted assistant.

Main functions:

Quickly record weight and date

Display a list of all recorded weights

- Supports editing and deleting historical records

- Supports SMS reminders (authorization required)

Offline available, data is persistently saved

Simple and efficient, compatible with mainstream devices

Icon design: It is recommended to design a simple electronic scale icon with a "+" sign or a checkmark in the middle. The color tones are suggested to be cool, such as blue and gray, to reflect health, technology and a sense of trust.

Ii. Supported Android versions

Minimum supported version (Min SDK) : API 24 (Android 7.0 Nougat)

Target SDK: API 34 (Android 14)

Reason: Android 7.0 is the version that is still widely used at present, ensuring coverage of most devices; The target version uses the latest version (Android 14) to ensure compliance with the latest permission requests, background restrictions and interface specifications.

Iii. Permission Requests and Rationality Explanations

The permissions requested in AndroidManifest.xml:

<uses-permission android:name="android.permission.SEND\_SMS"/>

Usage description:

-SEND\_SMS: It is used to send text message reminders when users record their new weight. This permission is handled through the runtime request mechanism and is only enabled after the user's authorization.

✅ does not request irrelevant permissions such as camera, microphone, location, contacts, etc., to ensure user privacy and reduce interference.

Iv. Monetization Plan

Current plan: Completely free, no advertisements, no payment required.

Future plan considerations:

- Advanced Version (Freemium) : Unlocks features such as charts, target Settings, and cloud synchronization

- Subscription Service: Provides weekly weight trend analysis and health advice

- Donation function: Encourage users to support developers

The reason for the monetization strategy: Offering free services initially helps increase the number of users and obtain feedback. After the user base of the application stabilizes, paid extension functions can be launched as needed.

V. Release Plan Summary

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| --- | --- |
| Area | Plan |
| Description & Icon | Motivational weight tracker with SMS alert, and Clean scale icon with cool tones. |
| Android Version Support | Min API 24 (Andriod 7.0) Target API 34 (Andriod 14) |
| Permissions | Only SEND\_SMS, requested at runtime. No unnecessary permissions included. |
| Monetization | Lunch as free, no ads. Future possibilities include freemium upgrades, reports, or a donation model. |