**SAO Weight Tracking — App Launch Plan**

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# Executive Summary

SAO Weight Tracking is an Android app that helps users record daily weight, set a target, and get an alert when the goal is reached. Data is stored locally in SQLite; there is no required account or network use. This plan summarizes the store listing, supported Android versions, permissions, monetization, testing, and the release approach.

# App Store Description & Icon

**Short description:** “Track your weight, set a goal, and get notified when you hit it.”

**Long description:** SAO Weight Tracking makes it simple to record daily weight and visualize progress toward a goal. Add or edit entries in seconds, view a clean grid of your history, and set a target weight. When you reach your goal, the app sends a high-priority notification; optionally, it can also text you (or a trusted contact) if you grant SMS permission. Your data is stored locally on your device for privacy—no account or network connection is required.

**Icon:** adaptive launcher icon with a scale/target and a small checkmark; high contrast to read well at small sizes.

# Key Features:

* Fast add/edit/delete for daily weight entries (SQLite persistence)
* Goal setting with progress indicator (percentage toward goal)
* Goal-reached alert via notification; optional SMS alert
* Minimal permissions and no ads at launch

# Android Versions

Min SDK 24 (Android 7.0) for broad device coverage. Target SDK 34 to align with modern permission models and Play guidelines. Tested on a recent emulator and a physical device for SMS validation; UI verified on small and large screens in light and dark themes.

# Permissions (Least Privilege)

• **POST\_NOTIFICATIONS** **(Android 13+):** Needed to show goal‑reached alerts. The app remains usable if denied.

• **SEND\_SMS (optional):** Used to send an SMS alert when a user reaches the goal and has provided a phone number. If denied, the app continues to function and opens the default SMS app with a prefilled message instead.

# Monetization

Launch as free and ad‑free to reduce friction and earn reviews. Evaluate a one‑time “Pro” upgrade later for value‑add features such as CSV export or theming. Ads are not planned for the initial release.

# Quality Assurance & Compliance

**Functional:** Verify login/registration, full CRUD on entries, goal setting/progress, and goal-reached alerts (notification + SMS). Confirm the denied-SMS path works and Android 13+ notification permission flow is correct.

**Usability:** Check readable text, accessible touch targets, correct decimal keypad, and consistent behavior in light/dark modes across small–large screens.

**Performance & Reliability:** Ensure smooth scrolling, fast SQLite reads/writes, no crashes/ANRs, and data persistence across restarts/logouts.

**Privacy & Permissions:** Local-only storage; request only POST\_NOTIFICATIONS (13+) and optional SEND\_SMS. No unnecessary permissions or network calls.

# Store Listing & Assets

**Assets:** Adaptive icon, 6–8 screenshots across device sizes, a 15–30s screen recording (add entry → set goal → receive notification), and a concise feature graphic.

**Copy:** Title, short + long descriptions, and a clear privacy note (local-only storage; optional SMS). Include contact email/support link.

**Category & rating:** Health & Fitness, target Everyone (general audiences).

# Release & Distribution

**Build & signing:** Generate release AAB/APK, bump versionCode/Name, enable shrink/obfuscation if desired, and verify clean install/upgrade.

**Tracks:** Internal smoke test → Closed (5–20 testers, ~3–7 days) → Staged prod rollout (10% → 50% → 100%).

**Monitoring:** Watch Play Console vitals for crashes/ANRs; consider adding a privacy-conscious reporter (e.g., Crashlytics) in a later update with disclosure.

**Data Backup & migration:** Persist schema version in the DB helper. Any future schema changes should use ALTER TABLE migrations to preserve user data.

# Post-Launch Support & Updates

**Support:** an in‑app Help & Feedback email link and a small FAQ. Respond to user messages within 2–3 business days. **Updates:** prioritize bug fixes and usability; consider CSV export, a simple progress chart, reminders, and theme options based on feedback.