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CS 360 Project Three

Inventory App Launch Plan

1. App Store Description and Icon

Description:

The Inventory App is a lightweight, user-friendly solution for managing stock, supplies, or personal collections.

With its intuitive dashboard, customizable categories, and real-time SMS notification feature, it’s ideal for small businesses, warehouse managers, or individuals managing home inventory.

Features include:

* Add, edit, and remove items with ease.
* View inventory in an organized grid view.
* SMS notifications for stock alerts
* Secure login with username and password
* Works both online and offline

Icon Design:

* A clean, modern box/warehouse crate icon with a checkmark overlay.
* Colors: Blue and White for trust and simplicity.
* Flat design to match Android UI guidelines.

1. Supported Android Versions
   * Minimum SDK: Android 8.0 (API 26 – Oreo)
   * Target SDK: Android 14 (API 34 – Upside Down Cake)
   * This ensures compatibility with a wide range of devices while leveraging modern UI components from Material Design.
   * Tested on multiple screen sizes (phones & small tablets.
2. **Required Permissions**

In the **AndroidManifest.xml**, only the necessary permissions will be included:

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

* **SEND\_SMS** → Required for sending stock alerts to users or customers.
* No microphone, camera, or location permissions since they are **not** used in this app.

**4. Monetization Plan**

**Phase 1 – Free Version:**

* + Offer the app as a **free download** to increase adoption.
  + Include **non-intrusive ads** at the bottom of the dashboard (AdMob banner).

**Phase 2 – Pro/Paid Version:**

* + Offer a **one-time purchase** (no ads) with extra features:
  + Export inventory to CSV/PDF
  + Multiple user logins
  + Cloud backup and restore

**Reasoning:**

* + The free version builds user trust and visibility.
  + The paid upgrade generates revenue from power users who need advanced features.

**5. Launch Checklist**

* Complete functional testing on multiple Android versions
* Test SMS sending feature on various devices
* Optimize app icon and screenshots for Google Play Store
* Create a privacy policy (required for apps using SMS permissions)
* Submit to Google Play Console with accurate category & keywords