Inventory App Launch Plan

CS 360 Mobile Architect and Programming

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The Inventory Application has been developed to enable users to efficiently monitor inventory items and their respective quantities. While like other inventory apps the Inventory App is not just for companies. It can be used by anyone who wants to keep track of a variety of items and receive SMS notifications when the quantity of any item reaches zero. This application does not include a feature for scanning barcodes, unlike many other inventory management applications. In comparing similar apps Inventory App is a simpler version that does not include sales, transfers, or shipping. This makes it perfect for every day, every person uses.

**App Description and Icon**

Inventory management is a simplified inventory app. Inventory App keeps your information secure, requiring login and password to authenticate the users before displaying any data. This app allows you to add items into a database and will display every item on the main screen. Each item is displayed with an item description, item number, and quantity. You will have the ability to adjust these quantities by manually entering a whole number or using increment and decrement buttons to adjust the quantity of an individual item one item at a time. Inventory App allows you to delete any item with the simple push of a button. Updating items on your inventory list is easy with just a click of button. This app is suitable for use by large corporations, small businesses, offices, personal users, and other entities. The Inventory App is symbolized by the following icon: A clipboard with a box and arrows

AI-generated content may be incorrect. which signifies the tracking and display of inventory.

**Version**

To target the greatest number of user Inventory App uses API 34, Android 14 (Upside Down Cake). While it may not be the latest version, the application can be updated to the newest version based on the specifications of the user's device. This version focuses on security, privacy, and customization. This version supports multiple sign-in methods, this app specifically uses a username and password method. Android 14 package installer allows app metadata to be specified.

**Permission**

There are numerous permissions that apps ask for including location, microphone, camera, and contacts. Inventory App only requires permission to send SMS notifications when an inventory item reaches zero, as this is the sole beneficial OS feature for the user. Unlike other apps Inventory App will still work even if the user does not approve this permission, they will just not receive the SMS messages for those inventory that are out of stock.

**App Monetization**

Inventory App will offer a freemium version that will allow the user to enjoy the app for free, but they will have to watch strategically placed ads. These ads will run immediately after successfully logging into the app, switching screens, and/or every 20 minutes of continuous use. The inventory application will provide an ad-free option, available through premium subscriptions that can be paid monthly, quarterly, or annually.

References:

*Android 14 features and changes list: android developers*. Android Developers. (n.d.). https://developer.android.com/about/versions/14/summary