App Description:

The CS 360 Inventory app is a sleek inventory app to track household items or assist in managing a warehouse. Effortlessly add an item and the quantity of the item and the app tracks the inventory. The users can modify the quantity of items with an addition and subtraction button. When an item falls below 10 items, you will be notified which items are low. Available across a large array of Android devices. If an item no longer needs to be tracked the user can remove the item.

App Icon:

The icon for the app could be described as a moon and a box. The moon represents the company Artemis Labs, and the box represents storage. This pairing would help build brand awareness while conveying the purpose of the app. The background of the app is purple with the box orange. The moon would be white, and the color theme would continue throughout the app.

Compatibility:

The app was developed for API 31 or for Android 12. This targets roughly 40% of devices that run newer versions of Android. Plans will be made to retarget a lower API to increase the percentage of compatible devices.

Target Audience:

The app is being primarily targeted towards small businesses that have a few items that they sell. The lightweight nature of the app makes it an ideal choice for them where they are moving large volumes of orders at a time. Being able to scroll quickly through the items in their inventory will allow them to quickly find the items they are looking for and modify the amount.

Permissions:

In the current configuration, the app only asks for permission to send notifications to the phone. Subsequent releases may utilize the camera to enable the user to take a picture of the item and have it displayed, making it easier to locate an item. Permission for that can be asked when the user first clicks on a camera button after that feature is added.

Future Development:

The initial launch will help determine which features the users would like to see. This helps connect the company and the users to create an app that users will enjoy using and consider using the company’s other apps. Features not included in the initial launch include a camera mode described earlier, an import and export feature that will allow for the creation and modification of items from a CSV file, and an adjustable notification amount for each item.

Monetization:

The app would launch with no monetization while getting feedback from early adopters. As the app is developed and new features added a free version will support banner ads on the inventory. The free version will also cap the number of inventory items to 150 items. Users will be able to subscribe for $4.99 a month which would remove the banner ads and lift the cap on items to 700. A premium tier that removes the cap on items will be priced after getting feedback from users, but the target figure is $6.99.