Quintin B. Rozelle

2/23/2024

7-2 Milestone

CS-360

**What will be included in your app’s description and what kind of icon will best represent your app once it is made available in the app store?**

This app is designed to help manage an inventory in various settings. As such, its description will focus on the functionality it provides and the problems it helps solve. Specifically, it will include the following details:

* Secure login designed to limit unauthorized access to the data
* Ability to add, update, and delete items from inventory
* Ease of creation and modification of data
* Notifications via text or toast when the inventory of a specific item is depleted

It the future, this app could be developed further to allow for additional features such as reporting and data analysis. If this happens, these features would be added to the description.

While it doesn’t yet, this app will have a simple and clean icon. Since it is more business focus (as opposed to entertainment focused), it will use fewer colors and a more simplified design and will be consistent with a material design approach. Importantly, the icon chosen will either be designed specifically for this app or be one publicly available and licensed for commercial use.

**Which version(s) of Android will your app successfully run on? Have you included the most current version?**

This app will work on all Android devices running Android API level 24 (version 7.0) or higher. It has been tested on a variety of API levels ranging from 24 through 34 with no noticeable issues.

**What permissions will your app ask for?**

Currently, the only permissions needed for this app are “SEND\_SMS” permissions. Since it is designed to send a SMS text when an item’s inventory is depleted it will need permissions to do so. If this app is further developed, additional permissions may be necessary at that time. This may include “INTERNET”, “CAMERA”, or “WRITE\_EXTERNAL\_STORAGE”. The first would be needed if the app is updated to communicate with an online database. The next would be needed if the app is designed to allow a user to take a photo of the item inventory. The last would be needed the app allows the user to save local data to an SD card.

**What is your plan for monetization of the app?**

At this point, the plan for monetization would be to include ads. I do not believe that it is full featured enough to justify another monetization plan. That being said, if additional features are added in the future (such as data reporting and analytics, web-based database storage, etc.), additional monetization schemes would be explored. These could include:

* Paying a small one-time fee to remove ads
* Paying a one-time fee to purchase the app directly from the app store
* Monthly subscription

The last option becomes much more likely and necessary if a web-based database is added to the app as this would likely require some kind of subscription to an online data hosting service like Amazon AWS. In a situation like this, it only makes sense to pass the cost of data hosting onto the end user as they would be the one utilizing this service.