The description for the Inventory App is highly important and must succinctly relay pertinent information to potential users. Therefore, the Inventory App's description will be as follows: The Inventory App provides a simplistic way to manage inventory storage. Authenticated users will be able to view their custom inventory and interact with databases to add, remove, or edit items from the inventory as they see fit. It delivers an intuitive experience and continually keeps the users informed of inventory metrics so they can work more efficiently and proactively.

Similarly, the icon that best represents the Inventory App is crucial, as it will become the image users associate with the app. As this app aims to ease the inventory management goals of users, the icon should reflect that mindset. Therefore, the icon for the Inventory App should highlight a warehouse in a simplistic way to match the simplistic nature of the app. An initial icon image was utilized in the app's development and should be continually improved and detailed to create the final image for the face of the Inventory App. This initial icon image can be seen below.

The Inventory App was developed with a minimum Software Development Kit (SDK) of Application Programming Interface (API) 24 for Android 7.0 (Nougat). This means that the Inventory App will be able to successfully run on approximately 95.4% of devices. Subsequently, the newest versions of Android devices will be supported by this application. During development, a high value was placed on utilizing effective coding practices and the

newest implementations of objects and methods to enhance maintainability. This practice will help ensure new implementations can be made readily available and code defects can be addressed quickly by support staff.

One major application requirement for this project was to implement Short Message Service (SMS) functionality to inform the user when an inventory item reaches a quantity of zero. In doing so, the user will be prompted to either agree or disagree to grant permissions to send SMS messages indicating low inventory. Subsequently, if the user wishes for the SMS feature to be enabled, the Android device must support the telephony hardware feature. However, this permission and feature are entirely optional and can be turned off at any time by clicking the SMS button in the top-right corner of the screen and declining the permission request. No other permissions are implemented or required for the Inventory App to function.

The Inventory App provides a simple tool to assist users in their inventory management operations. Therefore, the app should initially be entirely free to download. However, it may become beneficial to include a monetization strategy to support the maintenance of the app itself. This should be done in an unintrusive way, such as by utilizing advertisements in a small bar below the top menu. Should the Inventory App see a sizeable increase in downloads and user traffic, the support for the app must expand and therefore require more resources. To fund this venture, it would be beneficial to incorporate free and paid tiers for users to pick which option best suits their needs. The current version of the Inventory App would remain the free tier, including advertisements, for users as it provides basic inventory management functionality. A paid tier would implement additional functionality and customization, allowing users to interact

with their inventories in new ways such as customizing database sizes, applying more detailed

information, and strengthening security measures.