2-3 Project One Milestone

CS 360 Mobile Architect and Programming

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**Option 1: Inventory App**

The purpose of the Inventory app is to adjust and maintain proper inventory counts to keep the business updated. The app will have a table to store the business’s inventory items and a table to store the user logins and passwords. There will be a mechanism for the user to add or remove items from the inventory list. The app will have buttons to increase (+) or decrease (-) the inventory amount by one and a text field to enter the exact amount in inventory for a specific item. There will also be a mechanism that will track when an item’s inventory count reaches zero, this will allow the user to know when it is time to reorder an item. The inventory app will have a screen with a grid to display all the items that are in the inventory. The app will have a screen that requires the users to log in before using the app. This screen will have text fields to type in user information, a log in button, and a hyperlink if the user needs to create a login and password. If the user has never used the app before they will have the ability to create a login and password if they are part of the company’s database. Requiring a login for the inventory app will ensure security by preventing unauthorized inventory adjustments and enabling the tracking of changes made and identifying the individuals who made them.

AtomIQ is an inventory management app that allows a user to record and adjust inventory levels by decreasing or increasing the on-hand quantity. Like the app I am going to create it allows real-time inventory tracking that instantly updates the inventory quantities after the adjustments are made using in the app. Another similarity is the adjustment types except for the ability to transfer items between locations; my app will not have a location option. Another difference is the app’s ability to scan barcodes. Both apps offer data security with logins and passwords as well as an intuitive user interface. Shopify is another similar app with the ability to add or remove inventory items and adjust inventory levels. Shopify allows users to add a reason for adjusting the inventory like “returned” or “damaged,” this will be a difference from what my app will do. I do not see in the description that you need to log in to use this mobile app which is also different from my app.

Potential users for the inventory app are sales associates, QA associates, and sales managers. The sales associate would use the app to keep shelves stocked by giving them information about what is available in inventory. They can make use inventory reports to check the on-hands of specific items each day and adjust the quantities as needed. The app for this user would allow them to be mobile so they could verify inventory quantities from any area of the business. QA associates would use the app to adjust inventory due to damages or unsellable units as well as perform audits on items just delivered. This app will allow them to adjust inventory levels as they work around the damaged area and the delivery area instead of having to work from a computer or handle items more than once. The sales managers can use the app to walk different areas of the business to check inventory counts and see who made the last adjustment if the count is off by a significant amount. They can also use the app to reorder items that have reached an on-hand level of zero to prevent loss of sales, allowing them inventory control from anywhere. Users can access the app with valid login and ideally the app logs out users after 30 minutes of inactivity to prevent access from misplaced devices.

Reference

[Inventory Adjustment - AtomIQ](https://www.atomiq.us/out-of-box-apps/inventory-adjustment/)

[Shopify Mobile App: Manage, Monitor, and Move Your Inventory - Shopify](https://www.shopify.com/blog/keep-control-of-your-inventory-with-the-shopify-mobile-app)