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Using Lucid Spark, I created an example of a simplistic inventory of a motorcycle part that might need to be added into a company’s stock. This item has all of the basic information needed for finding the part as well information needed to replenish the stock quantity. The features in this view are framed in different colors to help discuss the features with ease of reference. At the top, we have the user type which can be broken into 3 levels; administrator, Lead, or team-member, respectively having less authority than the previous. At the administrator level, the user has complete control of the inventory system and can update the app as well as make any adjustments to the items. The Lead level has the authority to modify, remove, and add items to the inventory. The team-member level only has the authority to add or remove quantities from the onsite stock. Moving down the screen, we have an image of what the item looks like to make an easy visual check to ensure that the item is the correctly stocked item. Following the image we have the Part Name shown in the red frame and the summarized description of the item identified in the blue frame. In the orange frame we have the procurement information for the specific item with current quantity, source vendor if a replenishment is necessary, the lead time for said item, and lastly the part number which gives a third level of verification that the item is correct for the team-member pulling the parts for completing orders. To change the quantity of the inventory as items are pulled we have the “+” and “-” buttons that change the quantity of the items. The delete button will only be visible by Leads and Administrator level user to minimize confusion for team-members.

I chose to go with this layout for the inventory app because the focus of the app should be to easily and quickly update a company’s inventory. This is meant to be a tool more than an educational or entertaining app, which would have a flashier appearance. With a simplistic layout and simple function, this allows the app to run quickly and efficiently due to not having to load a pixel intensive screen. The highest pixel intense component of the app would be the images depending on what image is uploaded.