

Topic: Construction Inventory	Author Kevin A. Cancel Ramos
Problem <p>Keeping an organized inventory can be difficult and sometimes it can delay the work even only for missing a single tool. When having different construction projects and a large inventory of tools and materials its hard to keep track of what is left to buy and how to split the tools for every project. Even when having all the tools needed sometimes it can be a delay to find the necessary tools for a job in a big inventory of tools. With a new project without an organized inventory can become a big delay in the timeline of the project for different reasons without the full knowledge of the inventory available.</p>	
Target <p>By November 30 we will achieve an organized inventory app that will help in the construction process keeping track of all the tools and materials accessible in a single program.</p>	
Causes <ul style="list-style-type: none">• Construction projects being delay• Not having in hand instructions and tools for a specific job• Missing tools or materials for the project delays the project timeline• Not having track of tools and materials available for the construction project• Not having an organized and structure inventory	

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Countermeasures <ul style="list-style-type: none">• Create a structure and organized by different categories inventory of tool and materials• Categorize tools for different construction jobs• List of instructions and materials for specific construction jobs• List of all available workers for the job• Suppliers contact list for missing tools for the job
Check/Evaluate <ul style="list-style-type: none">• Success of the inventory will be determined by the usage of the app and efficiency of workers on construction jobs with fast searching for tools and the better management of tools on site.• If it doesn't show any improvement on the project, it could be the wrong use for the inventory• With the improvement in time of the construction project we can determine it was a success
Act/Standardize <ul style="list-style-type: none">• For better and more improvements, we can add more usages for the inventory as suppliers contacts for missing tools and materials and their different prices, also add functions that will help the user find the necessary tools for the required job.• This app can be applied in various places like the inventory of a house, of a farm and other different places with a big inventory for better tracking of it.• At the end will learn the developing of an app for the public in our case for construction purposes, and the designing of it.