**Identify:**

* *Current Problems*
  + Warehouse associates manually type/enter stower information into the excel sheet. Usually takes 2-3 minutes to complete. This does not include the time it takes to format the spreadsheets for visual representation of data; such as colored scores and calculations.
* *Strengths & Weaknesses of the current system*
  + Reliable – May take some time to enter the data, but the results are what the user wants.
  + Many steps – The current process takes many amount steps to be completed. For a new person/associate, this can make the task take longer than usual.
  + Wasted Time – Although the process takes around 2-3 minutes (for a regular), they still need about an extra ~ 2 minutes to insert colored formatting and fonts.
* *What this program could do*
  + It can automate the process of editing the csv, calculations for stowers and conditional formatting via colors and fonts. Thus, completing this task in under a minute with a single click. In the future, it could append newly downloaded csv’s into an existing already-open book, again with one click.

**Plan:**

* Target Machine
  + OS
    - **Windows 10**
  + Software
    - **Excel**
* Tools to be used
  + Version Control
    - **Git and GitHub** will be used to monitor and maintain the codebase while the project is ongoing.
  + Software
    - **Lucid chart** – Used for software/logic diagrams and planning
    - **Visual Studio 2019 (python 3.7 extension)** – Software development and testing
    - **Auto-py-to-exe:** Converts the python code to a useable exe file for one-click operation.
* Cost
  + Nothing, this is a side-project

**Design:**