Configuration:

Define size fields required per Shape

Add Image for Shape

Add Units of Measure Types (Imperial, Metric)

Add Units of Measure set (for example if one unit is selected as inch, all units shift to Imperial)

Preferences:

Store User preferences of – Unit of measure, Company name

Data Capture Module:

1. Start capturing inventory lot (by selecting metal type)
   1. A lot has following metadata
      1. Metal Type (like Carbon Steel, Aluminum, Stainless Steel, Alloy Steel, etc)
      2. Metal Condition (Prime, Used, Surplus, Secondary, Defective, Mixed, Scrap, Unknown)
2. Start capturing items (starts by selecting shape) but can continue to add items
3. Read Barcode using camera (2D BarCode and QR Code) and convert to a number as id of the record
4. Capture picture(s) of the item
5. Capture shape size fields
6. Capture Units of Measure
7. Calculate weight

Calculator module:

Given metal type, shape, shape fields,