# ZP OE Design Tool Interface Requirement:

* Similar as tableau and needs to be interactive.
* Given layout example as blow:

Graphical user interface, application

Description automatically generated

* Can run python code as the backend is all done in python
  + Backend data analysis function: python NumPy and pandas.

# First part: user input

* The input filed that need user to key in or create dropdown list for each variable, and when user open the interface and the default value should in place in each list, and if the user not changing any input, the result should be run in a default value.
* **Correction: plan code change to plant code**
* The third table can be provided in the excel sheet (reference to the dimension of the pallet/carton)

A picture containing diagram

Description automatically generated

Example layout (prefer dropdown list)Graphical user interface, text, application

Description automatically generated

Second part: show graph based on the data. (4 graph needed)

* Graph needed: mainly focus on stacked bar chart, pie chart and bar chart also and the chart should be also changing based on the user selection. Eg, If the user selects 5-year growth, the graph should be show in 5 years columns.
* All the data manipulation and sorting already done by backend. Can be provided in excel or inside the python data frame.
* User would like to see the overall data picture then deep into the breakdowns.
* Chart 1, Capacity growth requirement.
* Chart 2, No of pallet per batch
* Chart 3, ABC chart->refer to ABC\_7(from export file): Total based on product.
* Chart 4, Order profile chart (los%, out%, pal%)

# Third part: show analysis result

* Backend contains the data of recommending system result

Sample result table raw data show as below: user would like to see the highest three score recommendations.

Table

Description automatically generated

**What the user need:**

Show the result table with image (image have in local, prefer SCHAEFER->also can be provided local or website) / sum of the area

The result needs to be present in separated in multi tables (can achieve in backend)

So far, the backend result is all based on the default value, needs to be link with the interface user input to make the function more interactive.

**Colour Requirement from user:**

A screenshot of a computer

Description automatically generated with low confidence