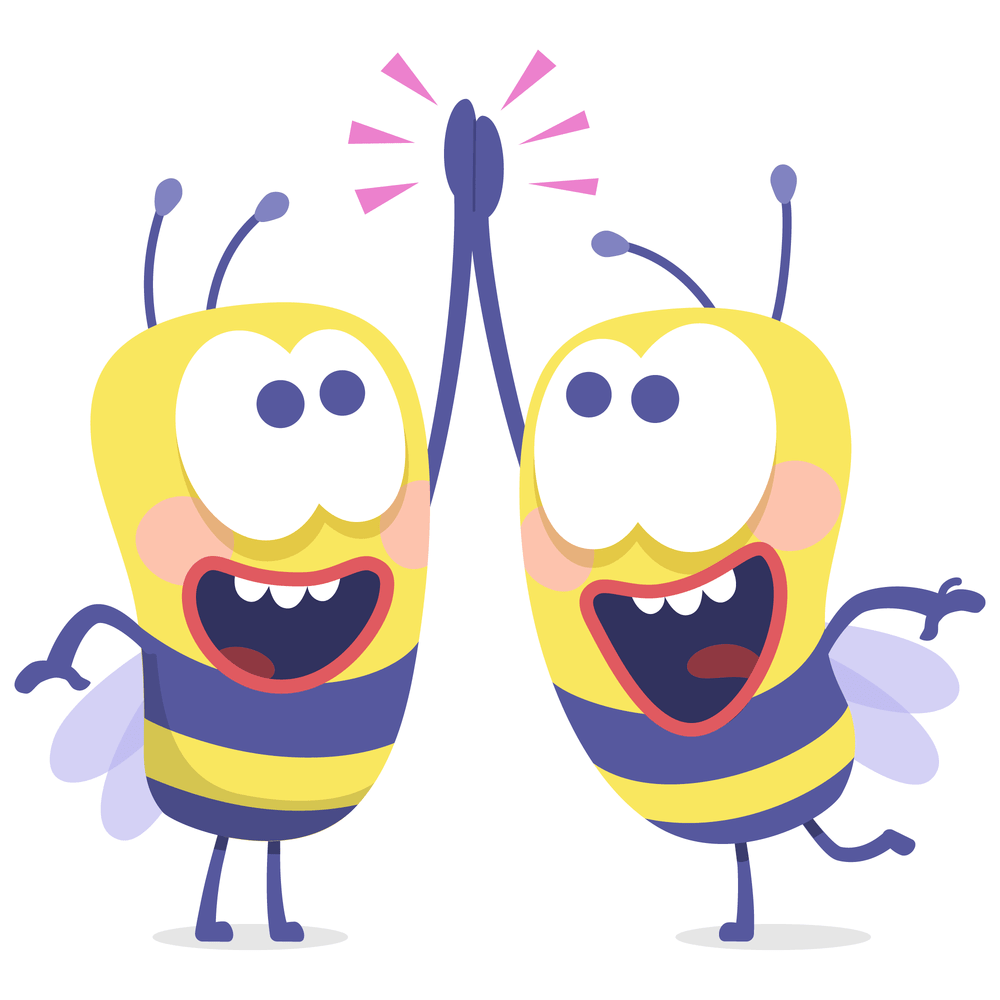
# Solution Intent Document

PRODEVANS TECHNOLOGIES PVT LTD

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Project scope

A. The required data are extracted from the datasheets having Empirical and Regression sheets that are uploaded from the client

B. The code is deployed on the server through a CI/CD mechanism with appropriate CI and CD tools

C. Users accessing the tool should have proper login credentials and credentials can be provided through signing up



Customer challenges are as follows:

A. Dynamically extraction and loading the required data has been a biggest challenge

B. The output of the required has not been persisted

C. Time complexity



Requirements:

To automate the process of extracting the quarterly information from Empirical model sheets and Regression Model sheets of each client data excel into the consolidated excel document in the specified format.

Scope

A. Time takes for extracting and loading is reduced

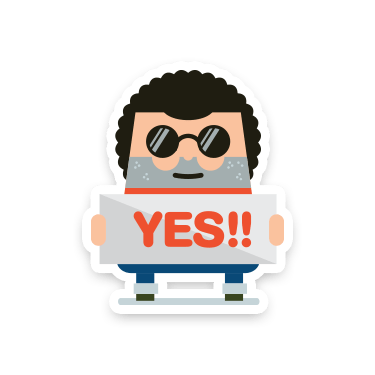
B. The process is triggered everyday.

Effort Estimate Assumptions

A. Triggering a cronjob for extraction and load of rquired data . And python script for the process

B. Writing a python script for reading, extracting and loading of data to output excel

C. Persisting the data in a database



High Level Flow

Extracting the desired data

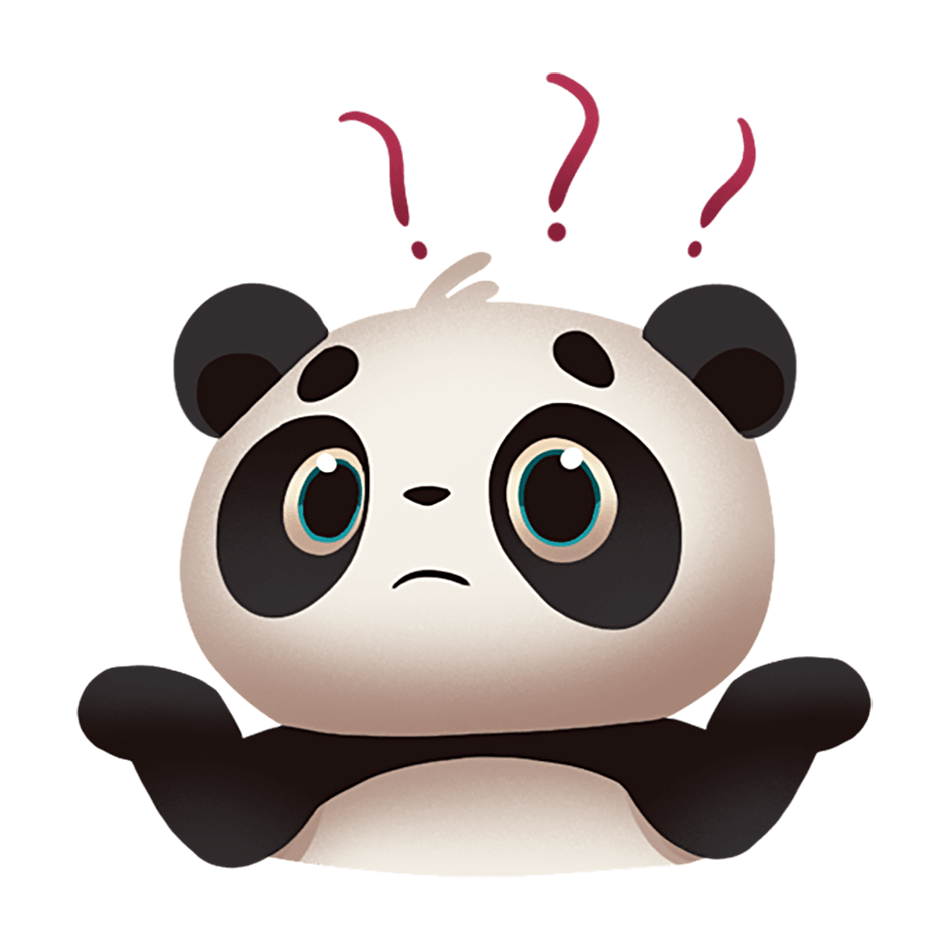
Uploading DATASHEETS

CI/CD PIPELINE

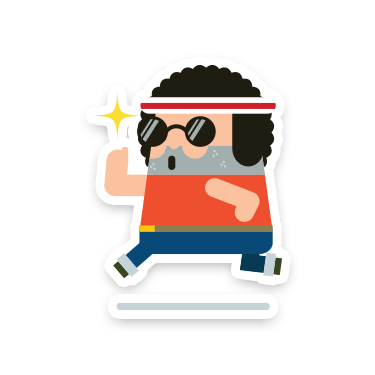
Loading the extracted data

Transforming to output sheet

Persiting data in DATABASE



Questions



SYSTEM REQUIREMENTS:

A picture containing pan

Description automatically generatedA picture containing drawing

Description automatically generated

A close up of electronics

Description automatically generated

Assumption:

Customer already has Angular, node as front end & back end on AWS or similar infrastruture.

Gitlab acts as code repo and VCS

* CI/CD tools:

Gitlab & Jenkins

* Requirement:

It has to include Code Review & UAT tool

A screenshot of a computer screen

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