MARS

Tomorrow starts today

M926 - Manufacturing Data Platform

Solution to provide a user interface for reviewing & updating reference & Actual data to & from PSV files

Contents

Overall Solution Scope and Setup

- Individual Apps and solution will be created for Manufacturing Data Platform Application for all three environments – Dev, Stage, Production.
- Data will be stored and retrieved from the PSV file that is stored in Azure Blob. SharePoint will be used to store the data temporarily to use that data in interface.
- Power Automate will be used for sending approval notification and read/write PSV file.
- Security groups will be created to manage the users of Manufacturing Data Platform Application.

Development Pre-Requisite

- The scope and wireframes mentioned in this document needs to be confirmed & approved on email from business during start of the development.
- User list needs to be provided during start of the development.
- All PSV files needs to be uploaded in Azure Blob storage by the business team.
- User , Site and Region mapping needs to provide by business team during start of the development.
- Site configuration details to show reference data and actual data entry options i.e. Site is having Silver(Classic), Gold or Platinum Package, need to provide before start of the development.
- Site configuration details to show bulk upload of actual entries and manually adding actual entries need to provide before start of the development.
- All 6 Reference Data files and fields needs to be provided before start of development.

Landing Screen
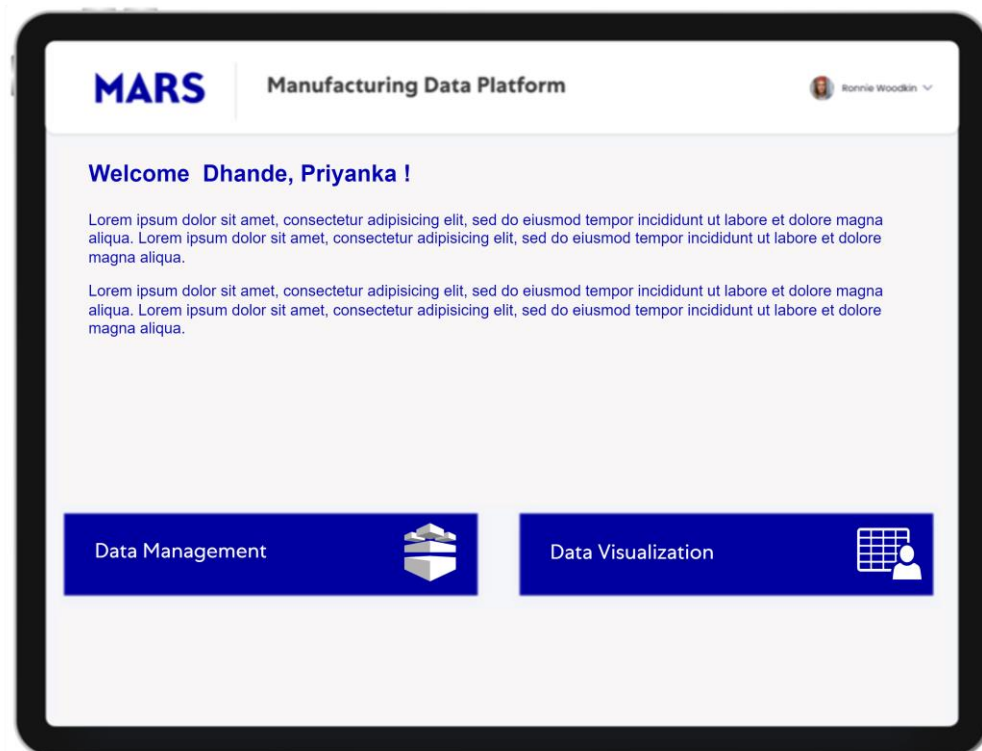
- The Landing Screen shows welcome message with the description of the application.
- Two big button will be visible for "Data Management" and "Data Visualization".
- If associate clicks on "Data Management", user will navigate to Line & Data Operation Selection Screen.
- If associate clicks on "Data Visualization", user will navigate to Power BI Report hyperlink.
- Current logged in user name will be visible on top right corner with the image of user.
- If image of user doesn't exist in the system, default image will be visible.

Line & Data Operation Selection Screen

- The Line Selection Screen allows logged in associate to select the Line for the first time. Later they can change their line.

- Region will be auto populated based on the user mapping with the Region.

- When user go on Line Selection screen, it will automatically load the selected Line if user doesn't log in for the first time.

- Line is mandatory field to select

- The visibility of Reference Data and Actual Data is based on the Site as some plants are allowed to enter actual data, some are allowed to enter reference data and some are allowed to enter reference data as well as actual data also.

- Configuration details will be maintained in SharePoint by PowerApps team

- Associate can either go for the Reference Data Entry or Actual Data Entry based on option visibility as per the configuration.

- If associate clicks on "Reference Data", user will navigate to Reference Data Screen.

- If associate clicks on "Actual Data", user will navigate to Actual Data Screen.

- User can see the Site and selected Line at Top-Left corner with format "<Site> **>** <Line>". For eg, SLO > M&M Choco

- Current logged in user name will be visible on top right corner with the image of user.

- If image of user doesn't exist in the system, default image will be visible.

Reference Data Screen

- The Reference Data Screen allow user to enter the reference data for Equipments, Items, Changeover, TOC...........

- Based on selected Reference Data, the available details will be shown in table format.

- User can search the reference data based on entered value in search box.

- If user selects any record from the table, they will be able to see the details in above part as a field value and user will be allowed to edit the values.

- If user directly adds new value, they need to click on "Save" button to add new entry.

- Current logged in user name will be visible on top right corner with the image of user.

- If image of user doesn't exist in the system, default image will be visible.

Actual Data With Bulk Upload Screen
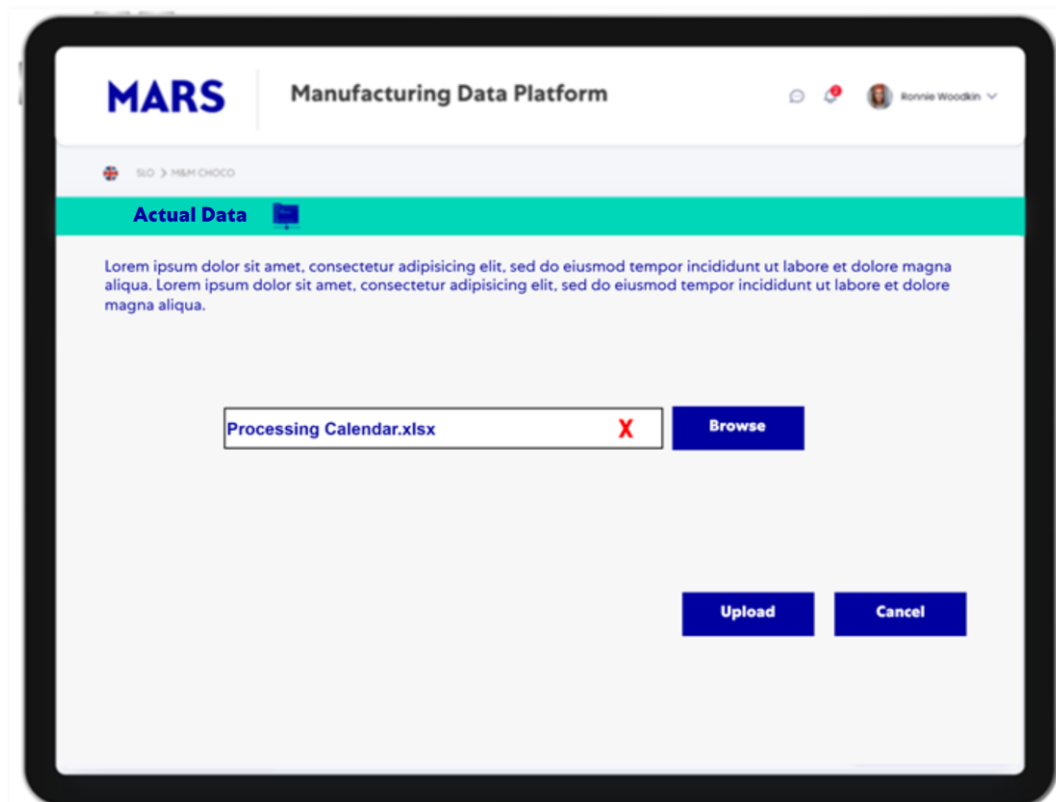
- The Actual Data With Bulk Upload Screen allow user to upload the excel file for entering the bulk data.
- The actual Data With Bulk Upload Screen is visible if Site is allowed to add the entries in bulk.
- User cannot see any entries in the screen. So, they will not be able to edit any of the entry.
- The uploaded file gets added direct at the Azure blob storage location shared by the business.
- To select the file, user need to click on "Browse" button.
- To upload selected file, user need to click on "Upload" button.
- To cancel the uploading, user need to click on "Cancel" button.
- To cancel the selected file, user can click on **X** icon.
- Current logged in user name will be visible on top right corner with the image of user.
- If image of user doesn't exist in the system, default image will be visible.

Actual Data Screen without bulk upload

- The Actual Data Without Bulk Upload Screen allow user to enter the actual data for Production Calendar, Loss Categories and Deviation Logs.

- The Actual Data Without Bulk Upload Screen is visible if Site is allowed to add/edit the actual entries in bulk.

- User can see all actual entries in the dashboard.

- To add new entry, user need to click on "Add" button and it will allow to add inline.

- To edit any entry, user need to click on edit icon and it will allow to edit inline.

- The save will be initially disabled. When user edit any entry or add new entry, "Save" button gets enable.

- Once user clicks on Save. SharePoint list is updated and later it will be updated in PSV file as well.

- Actual Data entries can be filtered based on fields added in the mock-up.

- Current logged in user name will be visible on top right corner with the image of user.

- If image of user doesn't exist in the system, default image will be visible.

Deviation Log Popup Screen
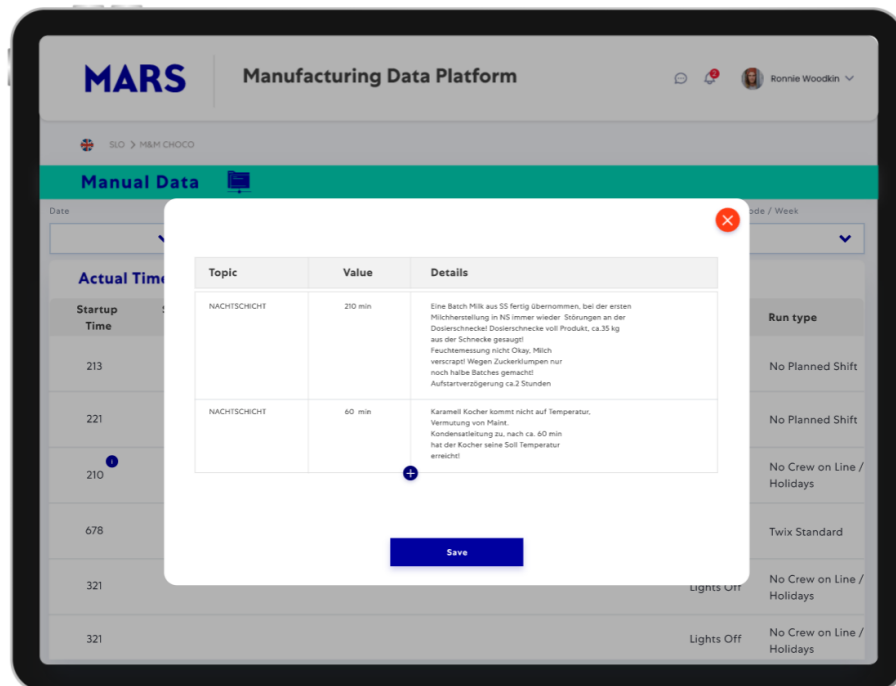
- The Deviation Log Popup screen allow to add the deviation split based on selected actual entry.

- Topic, Value, Details will be the fields for Deviation log.

- There will be no validation against the summation of all deviation logs added.

- User needs to click on "+" icon to add new deviation log against the actual entry.

- Once user added all deviation logs, user need to click on "Save" button.

Files with fields for Reference Data and Actual Data

- Below is the file containing all fields with all PSV files for reference & actual data

v23.3 data dictionary
v1.0.1 for Rohan Web

Archival Process

- Data archival will be done every month.

- It will move the old SharePoint data to archival list which we cannot show in the system.