Purchasing and packaging solution

Overview:

The project involved developing a solution using PowerApps, Power Automate and Microsoft Teams for a Swiss owned company specialized in handmade outdoor pottery produced in Vietnam. The client uses the solution to automate their complete process of placing order to despatch the orders. This project enabled them to avoid losing out on precious time and get the final product Offer.

Client details:

Name: Confidential | **Industry:** handmade outdoor pottery | **Location:** Vietnam

Technologies:

Office365, PowerApps (Canvas Apps), PowerFX, PowerAutomate (For multilevel approvals, CRUD operations in O365), CDS, Custom Connectors, Azure Graph Api, Rest Api, Search Api, JSON, Microsoft Teams.

Project Description:

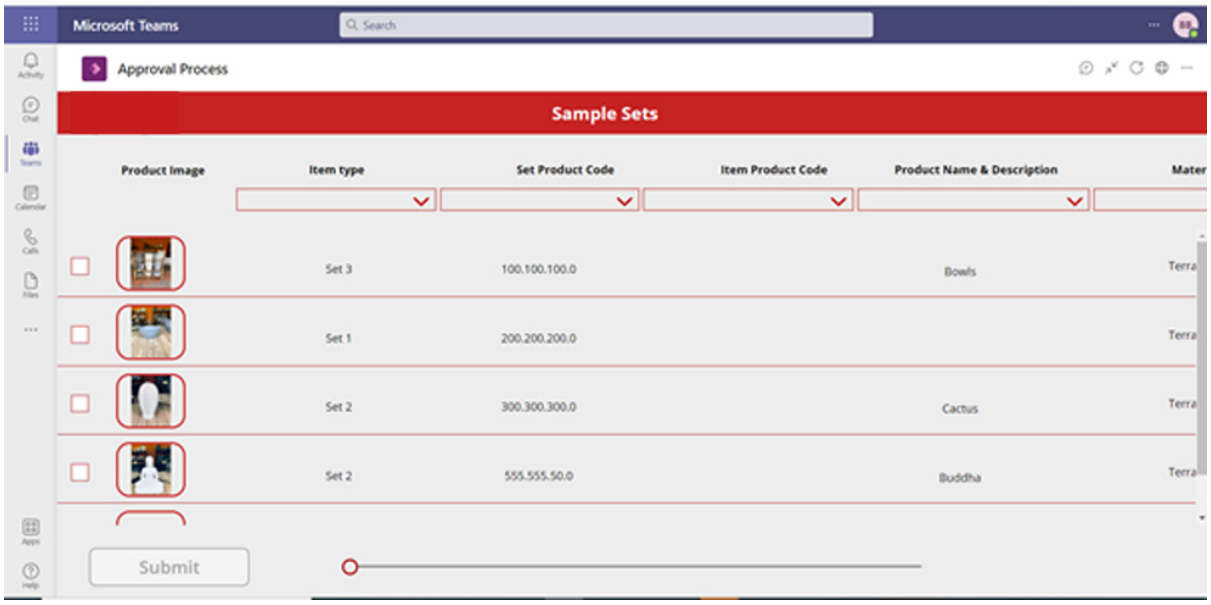
Generally, the client used to spend a lot of time on real world to create multiple excel files, excel calculations, attaching and sending various approval emails manually. It was quite difficult to track the process and all the documents as there are lots of product types and with different sizes and prices according to the seasons. It was critical to have an user-friendly UI which would ease the process and reduce the repetitive tasks daily.

The project was successful and Some of the salient features are as follows**:**

Sample and Design Department:

Sample upload Process:

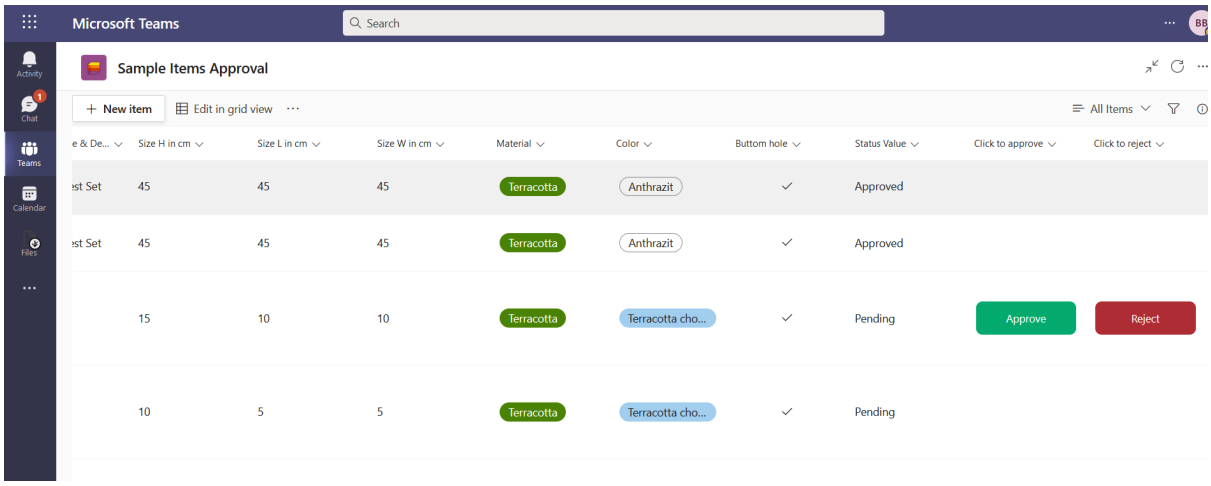
The user will upload the sample product images along with the product details using the PowerApps through Microsoft Teams. We are storing that information in a SharePoint list in the background. Then he/she will select the desired products and send it for approval to the management Team from the PowerApps.



Management Department:

Approval Process:

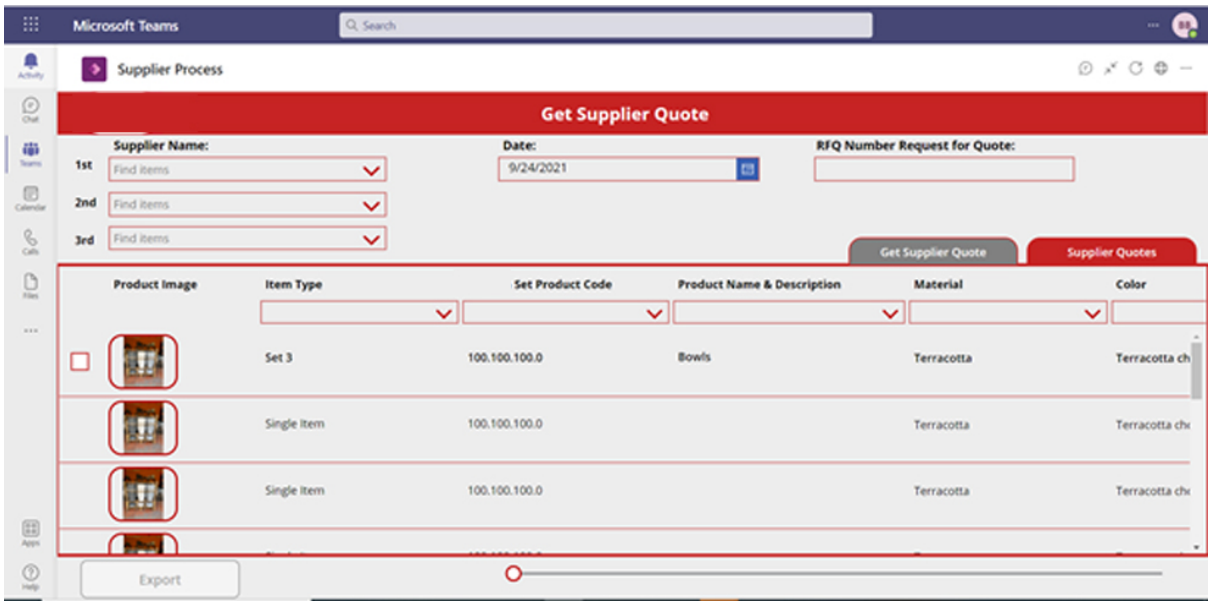
Here the user from the management will get an approval email with the link to the selected products. Where he navigates using that link and approve/reject the products along with adding comments. Which is achieved by using the PowerAutomate and outlook

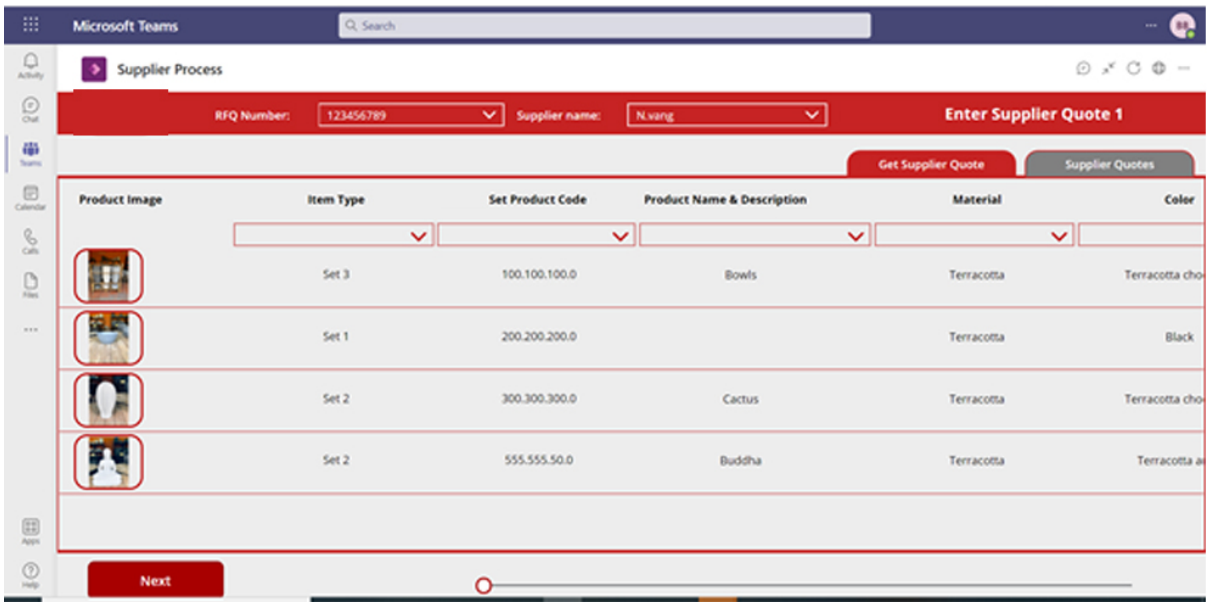


Purchasing Department:

Supplier Process:

Here the user from the purchasing team will create different price quotes for different suppliers and mention the season (duration in years) using PowerApps. Then he/she will export all the details to an excel and send it to the management team for the price quotes approval. This functionality is achieved by using the outlook connector directly in PowerApps.

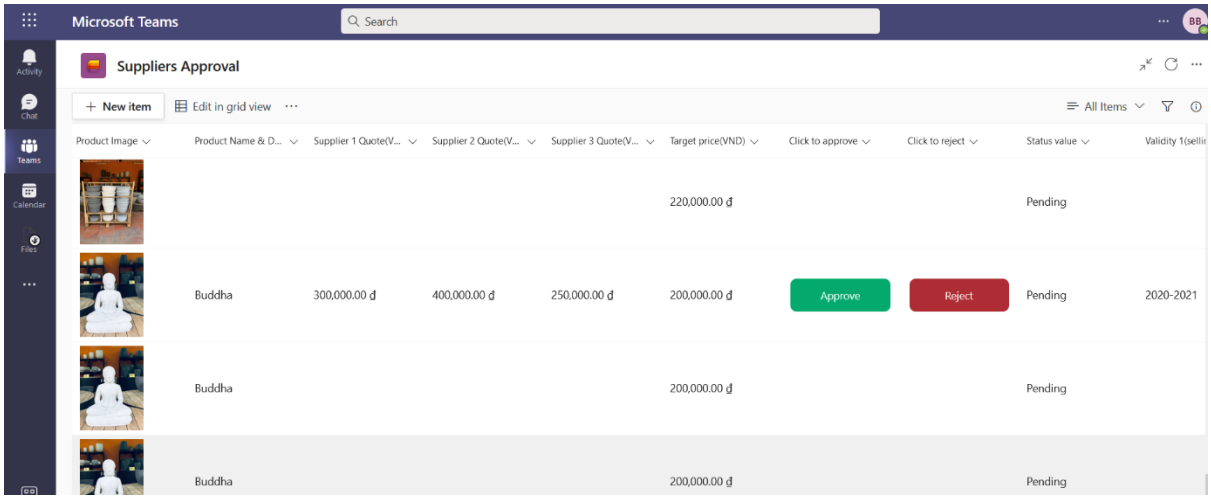




Management Department:

Supplier Approval Process:

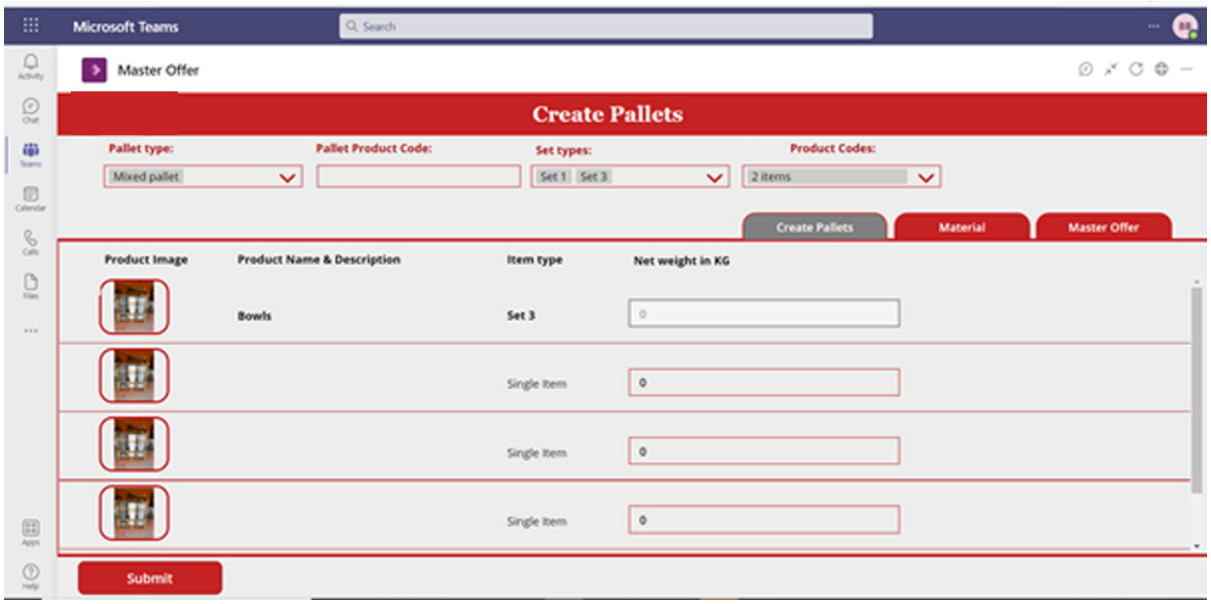
Here the user from the management will get an approval email with the link to the supplier's price quotes. Where he navigates using that link and approve/reject the quotes along with adding comments. This process is achieved by using PowerAutomate



Offer Department:

Create Pallet Process:

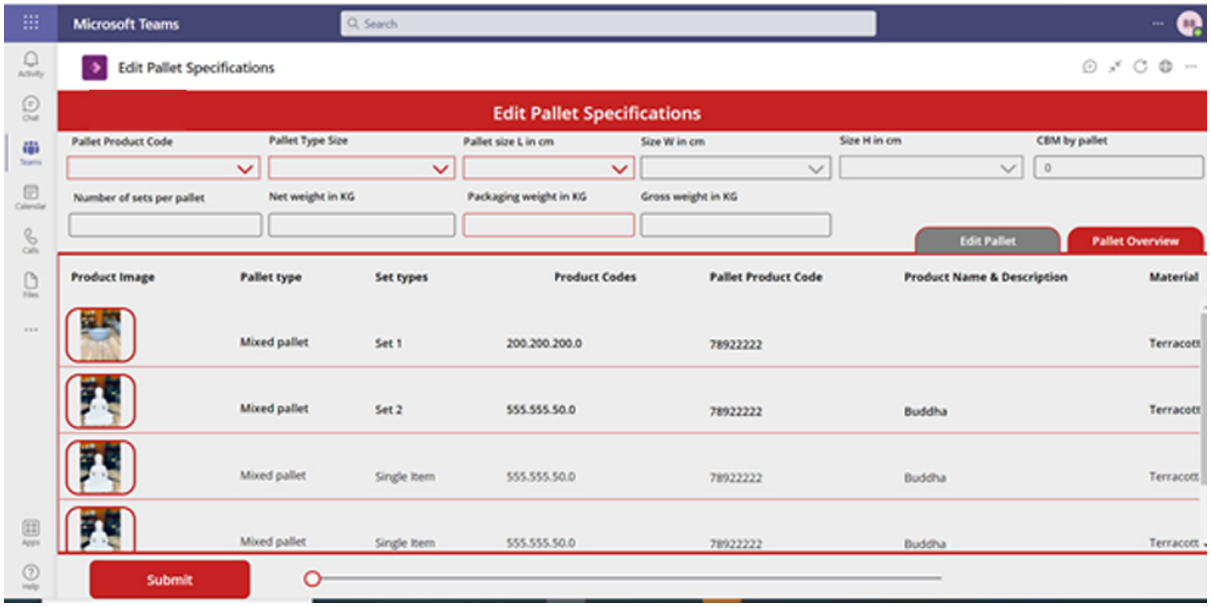
Here user will select the approved products and create different pallets(single/mixed) with unique pallet codes and mention the product description using PowerApps screen. Everything is patched to the O365 list from PowerApps.



Packaging Department:

Edit Pallet Specification:

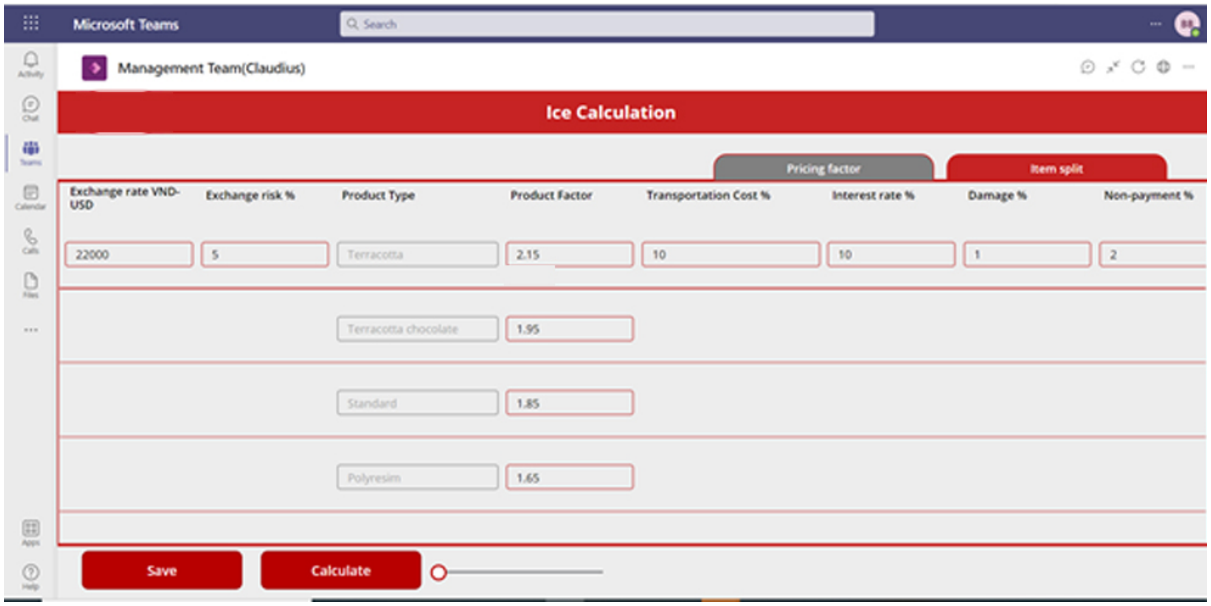
Here user will specify the details of the pallets which was created earlier by offer team like Pallet Type Size, Pallet Height, Pallet width, Pallet length, CBM by pallet, number of sets per pallet. Packaging weight, net weight, gross weight are being calculated automatically.

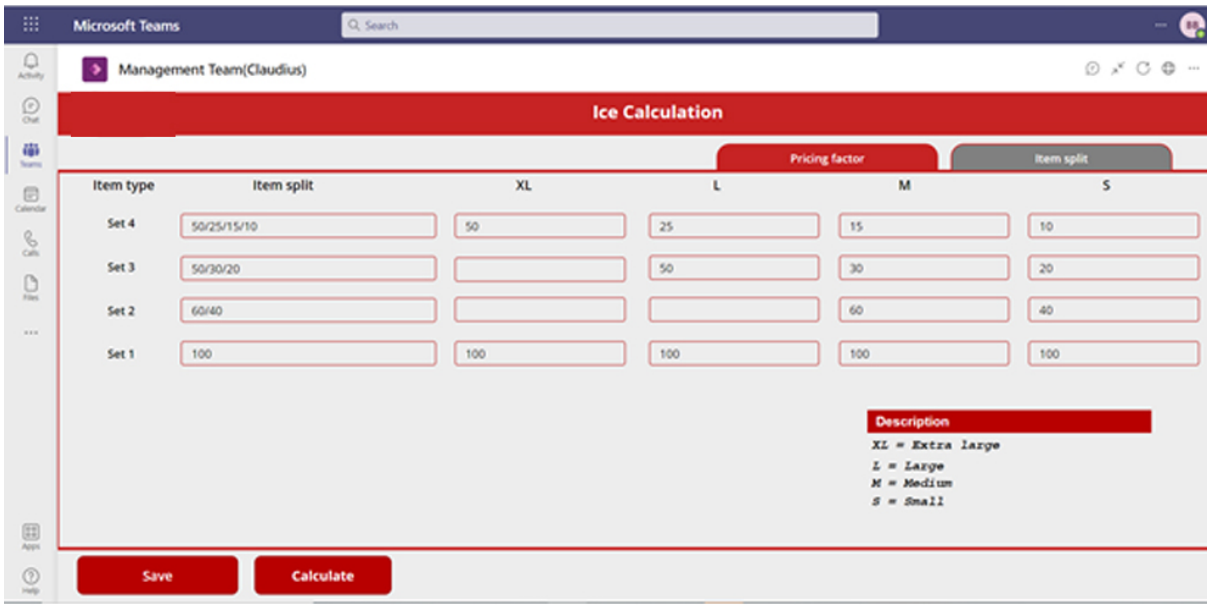


Management Department:

Claudius and Claudius offer:

Here the exchange rate of the currency and various product factors are already mentioned according to the material of the products and using these parameters the selling price will be calculated automatically along with the margin.



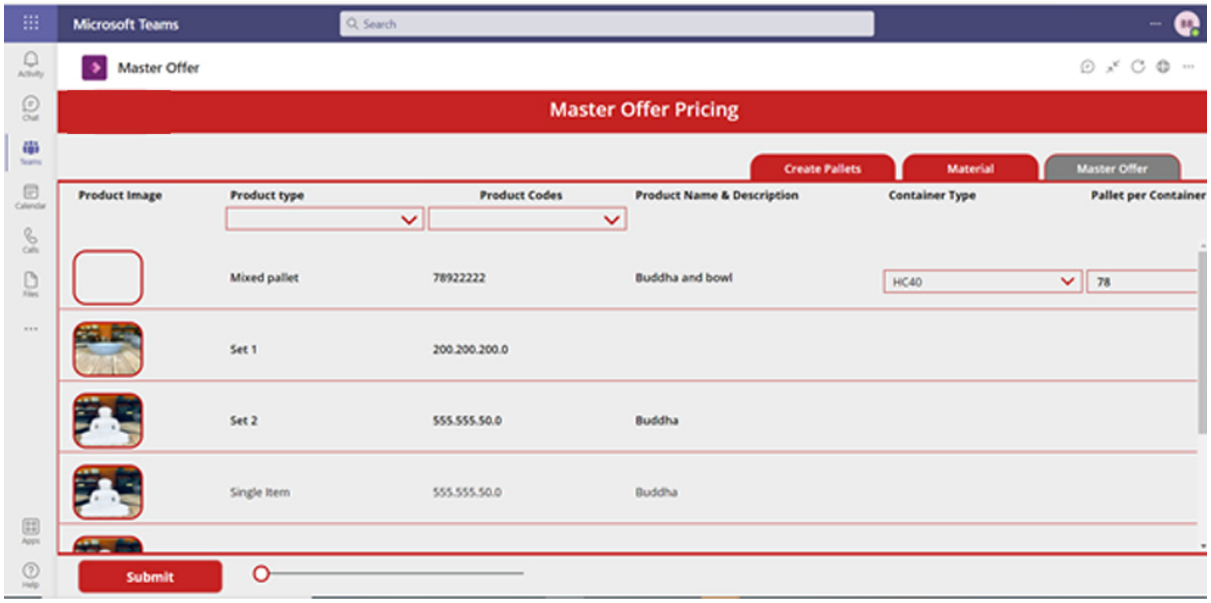


Offer Department:

Master Offer Pricing:

Here the offer team will select the container type and the number of pallets fits into it will be calculated automatically. Price for the container will be calculated as well.

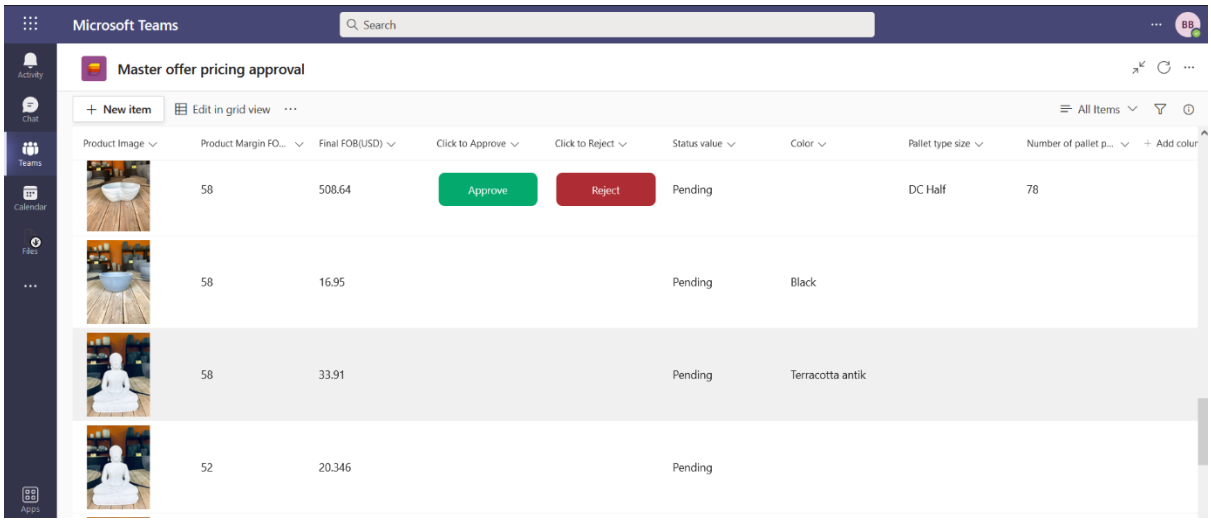
Here the user can change the final price and according to that product price will recalculated along with the margin.



Management Department:

Master Offer Pricing Approval Process:

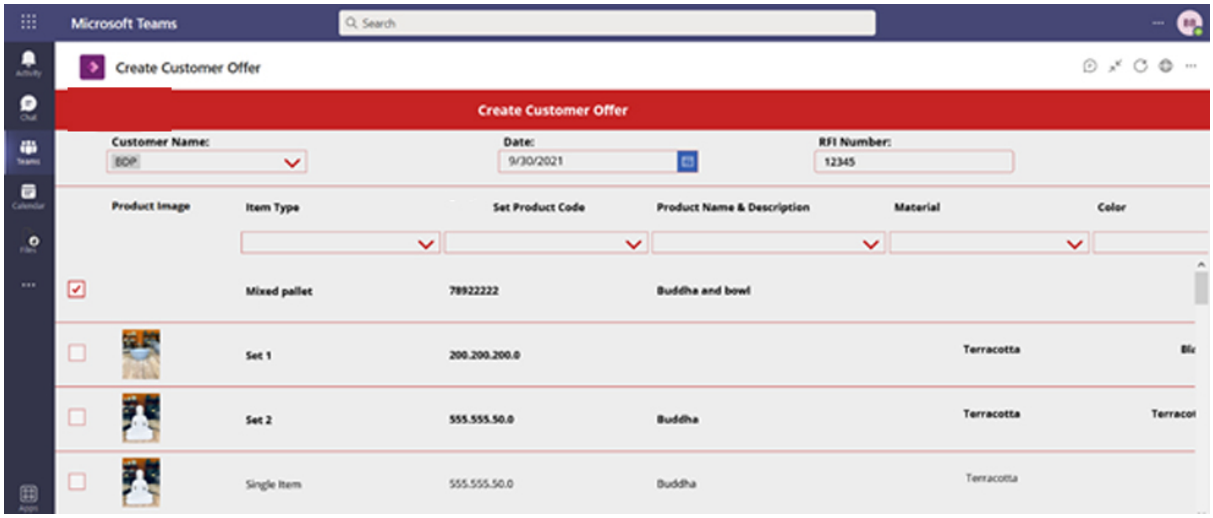
Here the user from the management will get an approval email with the link to the master offer pricings. Where he/she navigates using that link and approve/reject the prices along with adding comments.

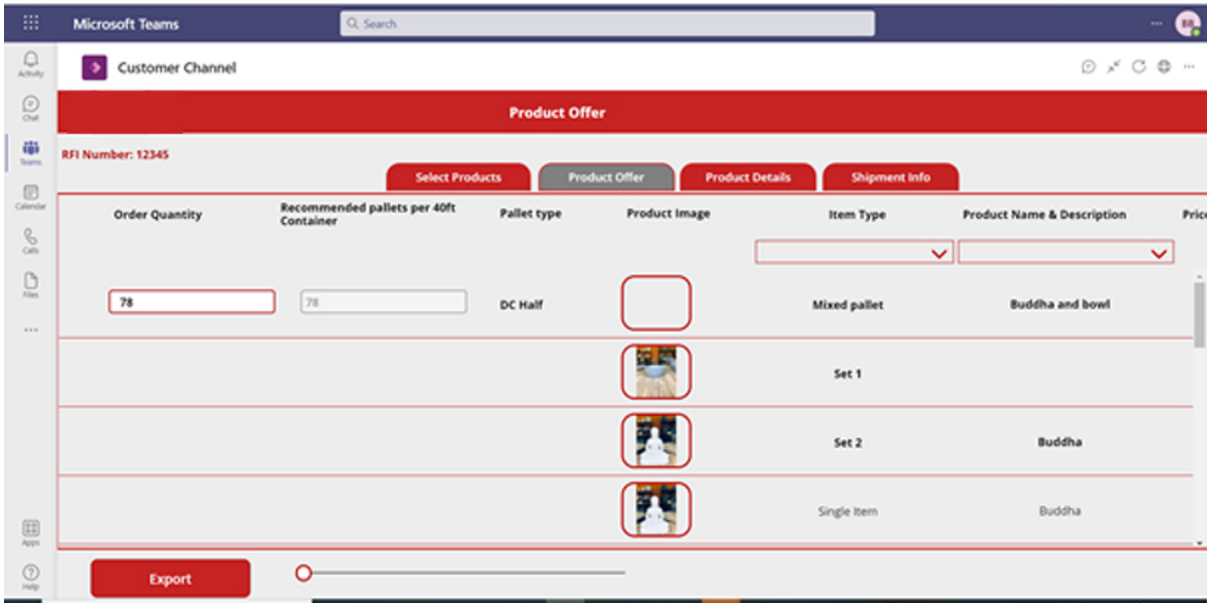


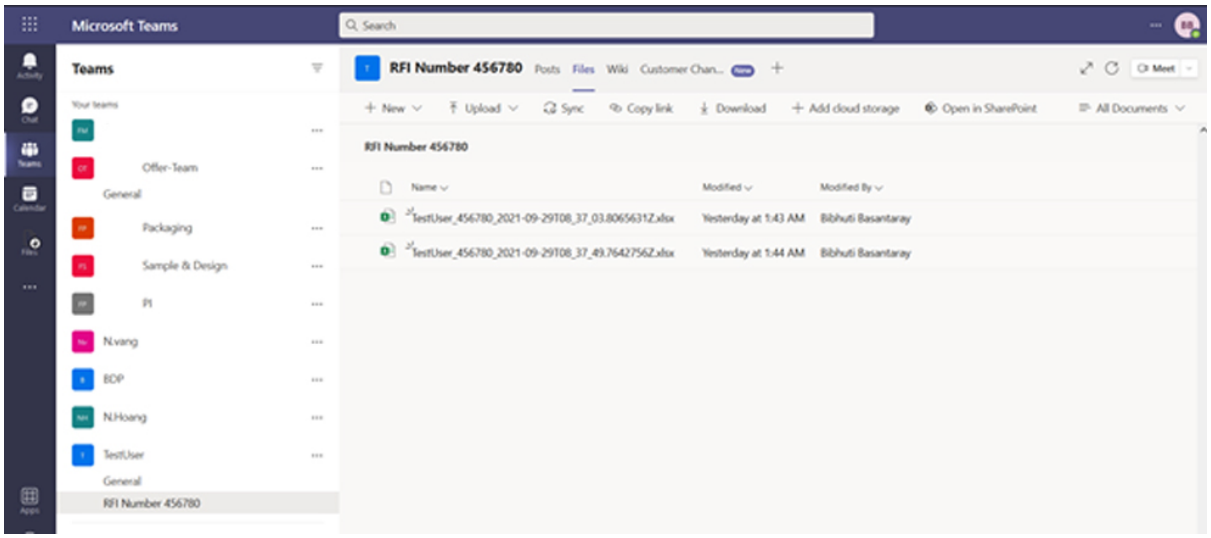
Offer Department:

Create Customer Offer:

Here the user will enter/choose the customer and select the products for the customer and provide a unique number. Then a new teams will be created and under that customer channels will be created according to the unique number.





Final product Offer:

Once the customer channel will be created the customer can access the channel and select the products and export the details of the products, shipment details to an excel file which will be stored in the respective channel files.