Boating and Fishing Supplies Retailer
(Development of Distributor Management Application)

Developed Power Apps-based application to streamline the process of collecting the data related to SKUs sold by its distributors (~60K), and storing the data on an on-premise database

DISTRIBUTOR MANAGEMENT APPLICATION BASED ON POWER APPS

ABOUT THE CLIENT

Client is a leading **omni-channel boating and fishing supply retailer** in the U.S. with over 250 stores across the country

SITUATION

- Client partners with ~60K distributors to retail its products and uses multiple applications/systems such as Rollstream, Excel etc. to manually collect the SKU information of the products sold. The process is manual and there was an opportunity to consolidate and store the data in a centralized location.

- Merilytics partnered with the client to **design and build an application to systematically collect and store information** while ensuring data integrity by applying relevant data validation techniques
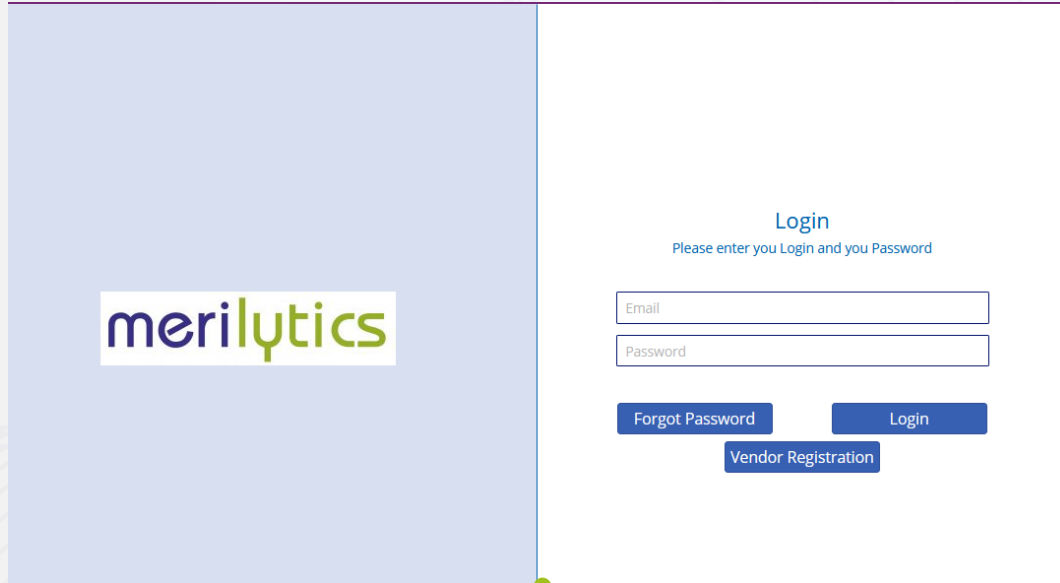
VALUE ADDITION

- Developed an **application on Power Apps with flexibility to assign multiple roles and privileges** (such as Admin/Manager etc.) to track the details regarding SKUs sold at each of the store locations

- Provided functionality to **bulk upload Excel files** using the template available on the application screen

- Linked the application to Enterprise Data Warehouse tables on an on-premise database to store the data collected, and set up **admin rights and hierarchy for approval** to ensure data is stored in database from authorized personnel

- Set up data validation rules to ensure the accuracy of the data collected from the distributors

IMPACT

- Distributor Management Application helped **to streamline data collection/acceptance process** from the distributors with an appropriate approval hierarchy in place to ensure data integrity

- The application enabled Category Managers to track the requests raised by the distributors with the convenience of using a single platform

- Automated process of **storing data and validation enhanced the data consistency and integrity** in the Enterprise Data Warehouse

APPLICATION SCREENSHOTS (LOGIN AND SKU SCREEN)

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Login
Please enter you Login and you Password

Email

Password

| Forgot Password | Login |

Vendor Registration

Access to edit and modify data within a screen is defined by the access privileges

Login screen with functionality for distributor registration and password reset.

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Admin User
Admin

SKU Master

Search Here

Actions	SKU ID	Vendor ID	Case Type	Part #	Cost	Origin	UPC	MAF
✎ 📄	31933	1059	INNER PACK	0710-1	$55.98	DE	31933	
✎ 📄	13722	1404	INNER PACK	37224	$22.85	US	13722	
✎ 📄	13737	1356	INNER PACK	318ACC	$37.03	FR	13737	
✎ 📄	13757	1150	INNER PACK	02019	$113.15	US	13757	
✎ 📄	13765	1002	INNER PACK	215	$9.89	US	13765	
✎ 📄	31866	1032	INNER PACK	L34-120	$7.99	US	31866	
✎ 📄	31850	1004	INNER PACK	001408!	$4.70	US	31850	
✎ 📄	13844	2317	INNER PACK	7640	$79.93	US	13844	
✎ 📄	47551	1410	INNER PACK INNER PACK	830-AN\	$16.50	US	47551	
✎ 📄	31828	1193	INNER PACK	5E	$14.75	US	31828	
✎ 📄	31898	1184	INNER PACK	PC566	$104.76	JP	31898	
✎ 📄	13711	3873	INNER PACK	IA-4054	$32.59	TW	13711	

APPLICATION SCREENSHOTS (BULK UPLOAD AND CATEGORY MANAGER SCREEN)

Functionality for the Category Manager to **review the inputs and take action on uploaded information**.
Distributor will also be able to view the reason for rejection, if applicable and can re-upload the information accordingly.
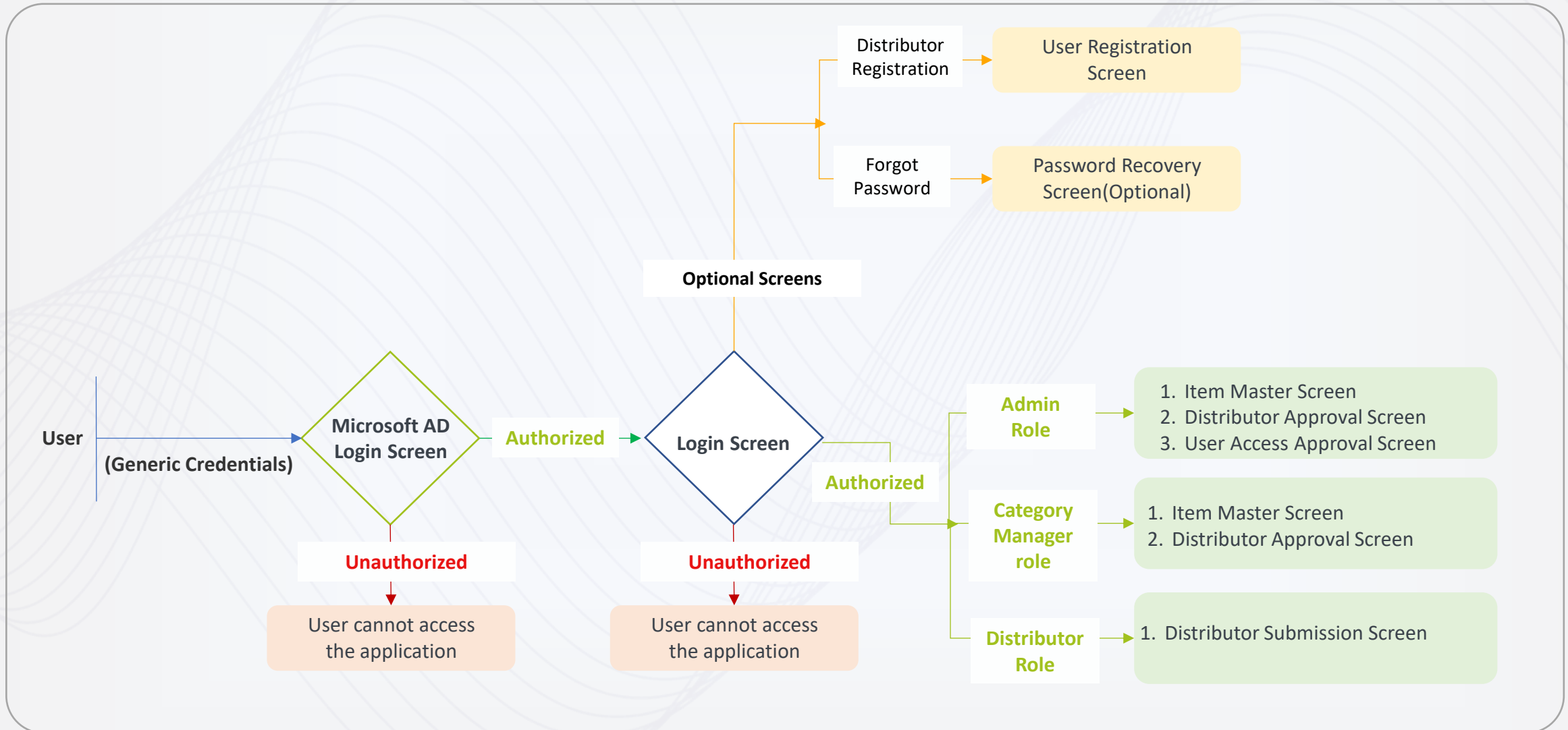

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Admin User
Admin

SKU Upload

Download Template

Vendor ID	Case Type	Part #	Cost	Country of Origin	UPC	MAP Price	Buying U\M	Hazmat

There is nothing attached.

📎 Attach file

Validate above data and Upload

Note:
1. Please upload valid excel file and wait till uploaded data visible in the above table for validation. please make sure, you are not uploading duplicate data.

Functionality to **bulk upload of Excel files** to reduce manual effort to submit the data

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Admin User
Admin

Product Location

Search Here

Actions	Product Code	Location Code	Supplier Code	Buying Multiple	Order Batch Size	Min Delivery	Purchase Price
✏️	47417.	4 - Portland	545 - SPERRY TOP-...	0	1	0	$18.00
✏️	80836	4 - Portland	592 - TACO METAL...	0	1	0	$2.74
✏️	31750	628 - Revitalization 2...	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	630 - Revitalization 2...	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	632 - Preopen Port ...	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	637 - Revitalization 2...	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	638 - Preopen Stamf...	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	645 - Preopen East ...	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	0018 - PCI 2017 ROC	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	0019 - 860 Ring Scan...	395 - PERKO, INC	0	1	0	$41.60
✏️	31750	0020 - Store 1289 As...	395 - PERKO, INC	0	1	0	$41.60
✏️	317503	50021 - PCI 2018 ROC	12895 - PERKO, INC	0	1	0	$41.60

CONTROL FLOW DIAGRAM

Distributor Registration → User Registration Screen

Forgot Password → Password Recovery Screen(Optional)

Optional Screens

User → (Generic Credentials) → **Microsoft AD Login Screen** → Authorized → **Login Screen** → Authorized

Microsoft AD Login Screen → Unauthorized → User cannot access the application

Login Screen → Unauthorized → User cannot access the application

Admin Role
1. Item Master Screen
2. Distributor Approval Screen
3. User Access Approval Screen

Category Manager role
1. Item Master Screen
2. Distributor Approval Screen

Distributor Role
1. Distributor Submission Screen