Microsoft Power Platform Solution

Sole Style Project

by

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Scenario

SoleStyle is a boutique shoe company specializing in high-end footwear.

The company aims to have an efficient way of tracking their shoe products, managing stock levels, and providing seamless shopping experience for customers.

They want to streamline their inventory management process, so you will build an app using Power Platform.

Requirements

User	Mandatory / Optional	Requirement	Testing Component	Platform
Store Staff	Mandatory	View a list of available shoe products by category and price.	Gallery/Advanced filtering	Canvas App
	Mandatory	Show product details, including name, price, and description.	Power Fx Formulas which allows for product display, discounts and subtracting from listed price	Canvas App
	Mandatory	Configure Dataverse for storing and managing inventory data.	Dataverse Configuration	Dataverse
	Mandatory	Implement inventory management features, i.e., product sorting, filtering, and removal.	Model Driven Apps	Model Driven App
Customer	Mandatory	Browse, search and filter for products available in the boutique.	Gallery	Canvas App
	Mandatory	Add items to a shopping cart.	Variables/Collection	Canvas App
	Mandatory	Build the checkout process, include product details, quantities, prices, and total cost, is clearly presented to the customer before checkout.	Checkout Functionality using Power Automate or Patch() function	Canvas App & Power Automate
	Mandatory	Develop a Power Virtual Agent for customer inquiries. Must have at least 5 built-in questions and answers.	Power Virtual Agent bot	Power Virtual Agent
Manager	Mandatory	Receive a notification when new stock is added.**	Power Automate	Power Automate
	Mandatory	Create a Power BI dashboard for data visualization and analysis, including generating regular reports and analytics related to inventory levels, turnover rates, popular products, and slow-moving items.	Power BI Dashboard	Power BI

**Usually, you would use the Office365 Users Connector to access Manager Details. This connector would then make an API call at runtime to get the manager's email address of the logged-on user. If you try this, you may hit an error--this may be because a manager is not set up in the system for you in your Developer Tenant. For this challenge, use your own email as both the employee and line manager. Hint: Use User().Email instead, so you can get both your emails and the line manager's emails in one inbox to simulate the automation.

This table describes individual user requirements, based on the various personas:

Solution Objectives

SoleStyle wants a Power Platform solution with the following objectives

Online Customer Experience

with a chatbot assistant

Staff Inventory App

with automate processes

Management

Reports & Dashboard

with livestream monitoring and data analysis

Available Dataset & Source

From: PowerUp Program Cohort 009

Available on Sharepoint Site **Shoe_inventory.csv**

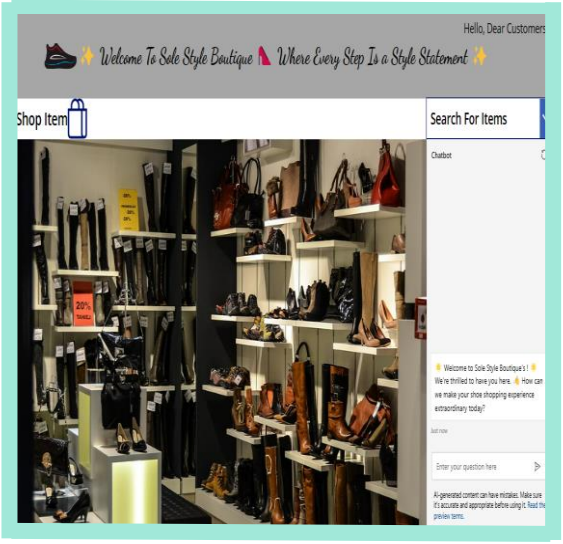
Name	Description
Product Name	Name of the shoe product
Category	Category of the shoe (e.g., Sneakers, Heels)
Price	Price of the shoe product
Description	Detailed description of the shoe
Size	Size of the shoe (e.g., 8, 9, 10)
Color	Color of the shoe
Quantity in Stock	Current number of shoes in stock
Target Quantity	Target stock quantity

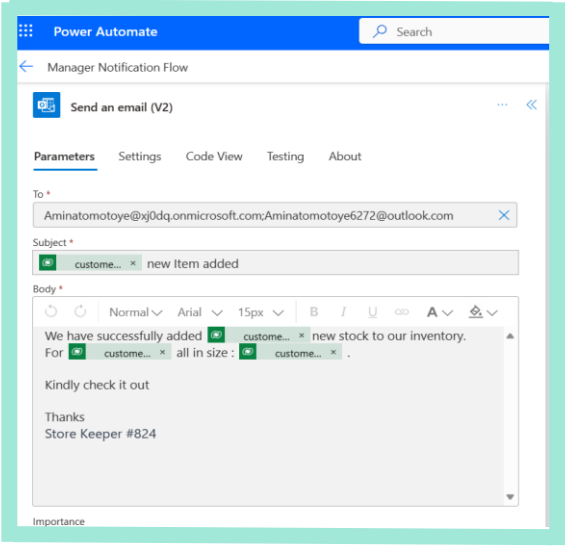
	A	B	C	D	E	F	G	H	I	J	K	L
1	Title	ProductName	ProductNumber	ProductCategory	Color	ListPrice	Size	QtyStock	TargetStock	Weight	ThumbnailPhotoFileName	
2	680	Comfortable Sneakers	SNK-001	Sneakers	White	120	8	50	100	0.75 kg	sneakers-white.png	
3	681	Stylish Heels	HEEL-002	Heels	Black	180	7	30	80	1.2 kg	heels-black.png	
4	682	Athletic Sports Shoes	SPRT-003	Athletic	Blue	90	9	70	150	0.9 kg	sports-shoes-blue.png	
5	683	Casual Loafers	LOAF-004	Loafers	Brown	60	10	40	90	0.6 kg	loafers-brown.png	
6	684	Chic Flats	FLAT-005	Flats	Red	70	8	60	110	0.5 kg	flats-red.png	
7	685	Classic Oxfords	OXFRD-006	Oxfords	Black	100	9	25	60	0.8 kg	oxfords-black.png	
8	686	Elegant Sandals	SNDL-007	Sandals	Gold	80	7	40	100	0.6 kg	sandals-gold.png	
9	687	Outdoor Hiking Boots	HIKE-008	Boots	Brown	150	10	50	120	1.2 kg	hiking-boots-brown.png	
10	688	Formal Dress Shoes	DRESS-009	Dress Shoes	Tan	120	8	30	70	0.9 kg	dress-shoes-tan.png	
11	689	Trendy Sneaker Boots	SNKBT-010	Sneakers	Black	130	7	20	50	0.85 kg	sneaker-boots-black.png	
12	690	Casual Canvas Shoes	CNVAS-011	Canvas	Blue	70	9	60	110	0.5 kg	canvas-shoes-blue.png	
13	691	Running Athletic Shoes	RUN-012	Athletic	Grey	90	10	70	150	0.7 kg	running-shoes-grey.png	
14	692	Stylish High Heels	HEEL-013	Heels	Red	170	8	35	80	1.1 kg	heels-red.png	
15	693	Comfortable Flats	FLAT-014	Flats	Beige	60	7	50	100	0.6 kg	flats-beige.png	
16	694	Urban Sneakers	SNK-015	Sneakers	Grey	110	9	45	90	0.9 kg	sneakers-grey.png	
17	695	Beach Flip Flops	FLPFLP-016	Flip Flops	Green	30	10	80	150	0.3 kg	flip-flops-green.png	
18	696	Classic Loafers	LOAF-017	Loafers	Black	70	8	25	70	0.7 kg	loafers-black.png	
19	697	Outdoor Trail Shoes	TRAIL-018	Trail Shoes	Brown	140	9	55	120	1.0 kg	trail-shoes-brown.png	
20	698	Formal Leather Shoes	DRESS-019	Dress Shoes	Black	130	10	30	80	0.9 kg	dress-shoes-black.png	
21	699	Modern Sneaker Boots	SNKBT-020	Sneakers	White	150	7	15	50	0.95 kg	sneaker-boots-white.png	
22	700	Everyday Canvas Shoes	CNVAS-021	Canvas	Red	60	8	40	100	0.5 kg	canvas-shoes-red.png	
23	701	Performance Running Shoes	RUN-022	Athletic	Blue	100	10	75	150	0.8 kg	running-shoes-blue.png	
24	702	Chic High Heels	HEEL-023	Heels	Silver	160	9	30	70	1.0 kg	heels-silver.png	
25	703	Comfy Flats	FLAT-024	Flats	Navy Blue	70	7	55	110	0.6 kg	flats-navy-blue.png	
26	704	Athletic Sneakers	SNK-025	Sneakers	Black							
27												

Outcome

Target Date: 9th Feb 2024

Delivery Date: 1st Jan 2024





Feature List

- Go-Live Readiness Planning
- Data Integration & CRM Pipelines
- Testing & Quality Assurance
- User Training & Documentation
- Measurable KPI’s & Scorecards
- Continuous DevOps & Functionality Improvement
- Technical Support

Reference

Kevin Stratvert (16 Nov 2022) Power Virtual Agents Chatbot Tutorial

Available on YouTube: https://www.youtube.com/watch?v=Kx19B9ywmwg

Shane Young (3 Oct 2022) Everything you need to build a Model-driven Power App

Available on YouTube: https://www.youtube.com/watch?v=KFjJ97dKzO8&t=759s

Shane Young (11 Jan 2021) Power Apps Shopping Cart new for 2021

Available on YouTube : https://www.youtube.com/watch?v=Ztn39KuOW0g