



# Sweet Treat Shop – Power Platform Project

## 1. Project Overview

This project is a simulation of a small bakery business called *Sweet Treat Shop*. It uses Power Platform tools (Power Apps, Power Automate, Power BI, SharePoint) to manage product orders, track ingredient inventory, send automated alerts, and visualize business performance.

## 2. Used Tools

SharePoint	Backend for storing orders and inventory
Power Apps	Frontend app for placing orders
Power Automate	Alerts for low ingredient stock
Power BI	Visualizations of sales, products, and performance insights

## 3. SharePoint Lists

### Home



### Sweet Treat Shop



Viktória Marinčáková



Sweet Treat Shop-Products [Zobrazit všetko](#)

...

Name

Chocolate Chip Cookie

Countdown to new flavour, banner, lists..

## a) Orders list

<input type="checkbox"/> Title	<input type="checkbox"/> CustomerName	<input type="checkbox"/> E-mail	<input type="checkbox"/> Quantity	<input type="checkbox"/> TotalPrice	<input type="checkbox"/> OrderDate
Lemon Tart	Emily Johnson	viktoria.marincakov...	2	6	1/11/2024 12:00 AM
Classic Cheesecake	James Anderson	viktoria.marincakov...	1	3.5	1/14/2024 12:00 AM
Red Velvet Cupcake	Sophia Wilson	viktoria.marincakov...	3	7.5	1/19/2024 12:00 AM
Blueberry Muffin	Daniel Miller	viktoria.marincakov...	1	2	1/26/2024 12:00 AM
Chocolate Chip Cookie	Isabella Taylor	viktoria.marincakov...	4	6	2/3/2024 12:00 AM
Classic Cheesecake	Olivia Davis	viktoria.marincakov...	2	7	2/10/2024 12:00 AM
Lemon Tart	William Thomas	viktoria.marincakov...	3	9	2/17/2024 12:00 AM
Chocolate Chip Cookie	Mia Moore	viktoria.marincakov...	2	3	2/22/2024 12:00 AM
Blueberry Muffin	Michael Smith	viktoria.marincakov...	1	2	2/27/2024 12:00 AM
Classic Cheesecake	Emily Johnson	viktoria.marincakov...	3	10.5	3/3/2024 12:00 AM
Lemon Tart	Olivia Davis	viktoria.marincakov...	4	12	3/9/2024 12:00 AM

## b) Products

<input type="checkbox"/> Name	<input type="checkbox"/> Category	<input type="checkbox"/> Price	<input type="checkbox"/> Ingredients	<input type="checkbox"/> Picture
Chocolate Chip Cookie	Cookie	\$1.50	Flour, Sugar, Butter, Chocolate	
Blueberry Muffin	Muffin	\$2.00	Flour, Blueberries, Sugar, Milk	
Classic Cheesecake	Cheesecake	\$3.50	Cream Cheese, Sugar, Eggs, Crust	
Red Velvet Cupcake	Cupcake	\$2.50	Cocoa, Flour, Cream Cheese, Eggs	
Lemon Tart	Tart	\$3.00	Lemon, Eggs, Butter, Sugar, Raspberries	

## c) Inventory

Ingredient	Unit	In Stock	Minimum Stock	Used Per Unit ...	Products Used...	Reorder Needed	Supplier
All-purpose flour	kg	15	10	0.15 kg	All products	No	Mill & Grain Ltd
Eggs	pieces	100	50	1	Muffins, Cookies, Cupcakes, Cheesecakes	No	FreshFarm Eggs
Butter	kg	5	3	0.1 kg	Cookies, Tarts, Cheesecakes	No	DairyDelight Co
Sugar	kg	10	5	0.05 kg	All products	No	SweetSugar Sup
Cream Cheese	kg	2	2	0.2 kg	Classic Cheesecake	Yes	CheeseHeaven
Blueberries	kg	1	1	0.1 kg	Blueberry Muffins	Yes	BerryBest Farms
Chocolate Chips	kg	2	1	0.1 kg	Chocolate Chip Cookies	No	ChocoMaster
Lemons	pieces	6	4	1	Lemon Tart	No	CitrusCo

## 4. Power Apps

**SWEET TREAT SHOP**



**PRODUCTS**

**Products**

Search products

- Blueberry Muffin Muffin 2
- Chocolate Chip Cookie Cookie 1,5
- Classic Cheesecake Cheesecake 3,5
- Lemon Tart Tart 3
- Red Velvet Cupcake Cupcake 2,5

**ORDER**

<

Title  
Classic Cheesecake

Category  
Cheesecake

Price  
3,5

Ingredients  
Cream Cheese, Sugar, Eggs, Crust

Picture



Classic Cheesecake

Name

E-mail

2

**Submit order**

**THANK YOU!**

Your order has been received.  
A confirmation will arrive in your inbox shortly.

Simple customer facing app, to see products, price, ingredients. Customer from the dropdown will choose product, put in the name, email for order confirmation and quantity. When submitting order, the order is added to the Orders\_list in SharePoint, Power Automate will send order confirmation and customer will be navigated to the Thank you screen.

## 5. Power Automate-order confirmation & low stock alert

**Low stock alert**-when the stock is lower than minimum stock, automatically an email is send to me to notify me about restocking.

The screenshot shows a Power Automate flow. The first step is a trigger: "When an item is created or modified". This leads to a "Condition" step, which is set to "And". Inside the "And" condition, there are two rules: 1) "Reorder point" is equal to "No" (using the "Is equal to" operator). 2) "In Stock" is less than "Minimum required" (using the "Is less than" operator). Following the condition is an "If yes" branch, which contains a "Send an email (V2)" action. The recipient is "viktoria.marincakova@gmail.com", the subject is "Low Stock Alert", and the body includes a warning message: "Warning! Your ingredient \"All-purpose flour\" is running low. Current stock: 8 Minimum required: 10". An "If no" branch is present but currently empty.

Low Stock Alert: All-purpose flour ➔ [Inbox](#)

Viktória Marinčáková <viktoria.marincakova@student.tuke.sk>

to me ➔

Warning! Your ingredient "All-purpose flour" is running low.

Current stock: 8

Minimum required: 10

**Order Confirmation** – when an order is placed, the mail is automatically send to the person who put an order(now there is everywhere my e-mail, was used for testing)

## Your Order is Confirmed! 🍪 ➔ Inbox ✖

Viktória Marinčáková <viktoria.marincakova@student.tuke.sk>  
to me ▾

Hi Mária Cinčarová,

Thank you for your order at Sweet Treat Shop!

Your delicious Red Velvet Cupcake will be ready in about one hour.  
You can come pick it up whenever it's convenient for you.

We hope you enjoy your treat as much as we enjoyed preparing it! ❤️

With love,  
Sweet Treat Shop Team

## 6. Power BI Dashboard

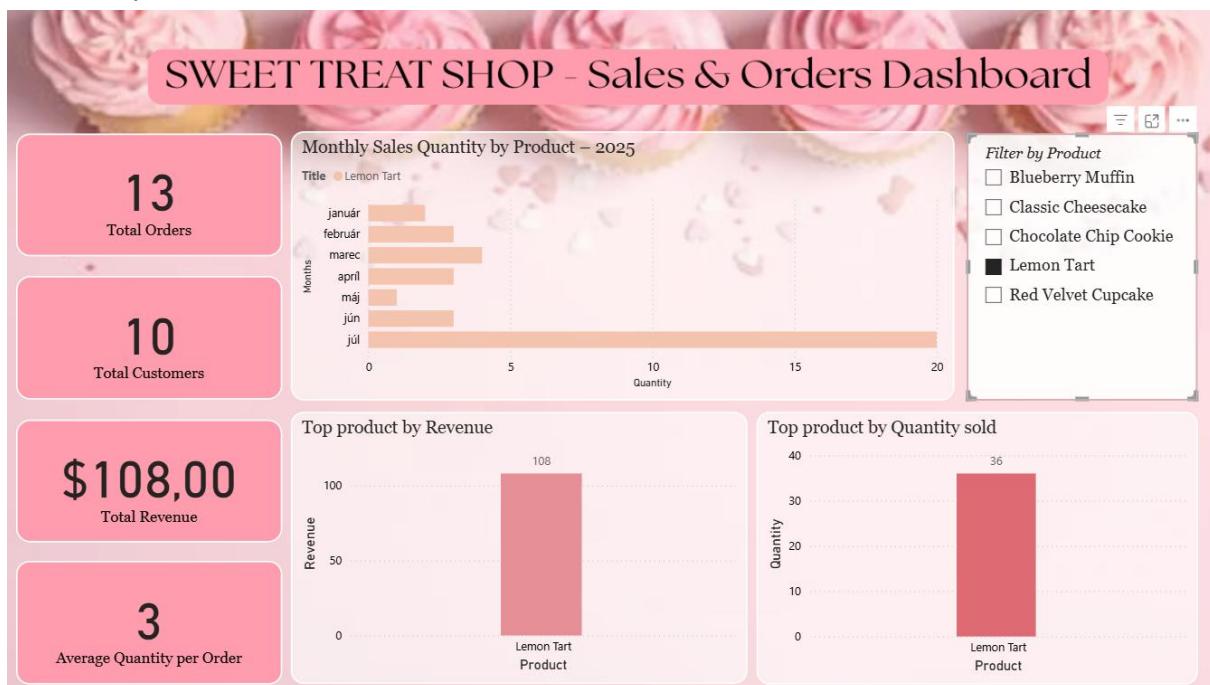
The **Sweet Treat Shop Sales & Orders Dashboard** was created using Power BI to visualize key performance indicators(KPI) for a fictional bakery business. The dashboard tracks and analyzes data from orders stored in SharePoint, offering insights into **total orders, customer count, average order size, and total revenue**.



The main visualizations include:

- A **monthly sales trend chart** showing how product sales evolved from January to July 2025.
- A **bar chart of top products by quantity sold**, helping identify the most popular treats.
- A **profit comparison chart by product**, showing which items generate the most revenue.
- Interactive slicers to **filter data by product**.

The Best product is-Lemon Tart



## 7. Conclusion & Reflection

This project demonstrates how Microsoft Power Platform tools—**Power Apps**, **SharePoint**, **Power Automate**, and **Power BI**—can be integrated to create a complete business solution for managing and analyzing sales data.

Through the fictional **Sweet Treat Shop**, I designed a Power Apps application to collect customer orders, stored them in SharePoint lists, and used Power Automate to trigger email notifications for low inventory alerts and order confirmation. Finally, I built a Power BI dashboard to visualize key metrics such as **total revenue**, **top-selling products and order trends**.

This hands-on project strengthened my skills in low-code development, data analysis, and process automation—key areas in digital business transformation. It also reflects

how powerful and accessible these tools are for small businesses to make informed decisions based on real-time data.

Working on this project allowed me to explore and understand the **full potential of the Microsoft Power Platform**. Before starting, I had limited experience—mostly with Power BI—but through this hands-on approach, I learned how to **design apps in Power Apps**, **automate workflows in Power Automate**, and **store and manage data in SharePoint**.

Overall, this project was a valuable learning experience that helped me develop both technical and analytical skills. It gave me confidence in building complete digital solutions and confirmed my interest in continuing to learn more about data analytics, automation, and app development.