



Microsoft Power Platform & Dynamics 365 Projects

Hello, I'm Raul Vinhas Lessa, a Microsoft Dynamics 365 & Power Platform Developer.

I hold certifications in the following areas: PL-900, PL-600, PL-500, and PL-400.

In this document, I have included some projects that demonstrate my skills:

- Power Automate
- Power Apps (Canvas and Model-driven)
- JavaScript in Model-driven modules
- Power BI
- Power Pages

I hope this document provides valuable insights. Thank you!

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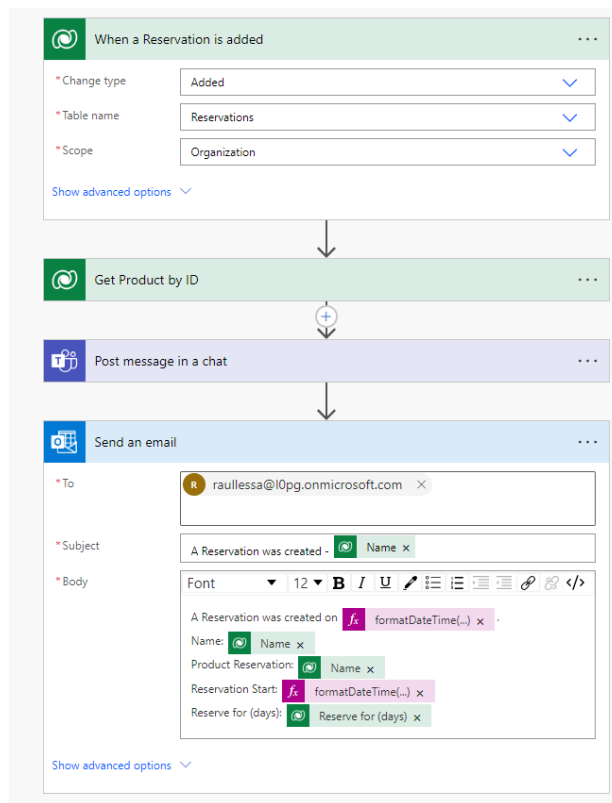
Power Automate - When a Reservation is added

Action: When a row is created in the Reservation table, an email and Teams notification are sent.

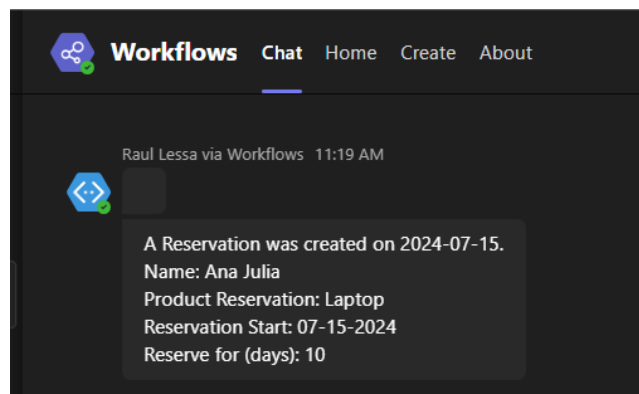
Trigger:

The screenshot shows the 'Asset Checkout' app in Power Apps. The form is titled 'Ana Julia - Saved Reservation'. The fields are: Name (Ana Julia), Product Reservation (Laptop), Reservation Start (7/15/2024), and Reserve for (days) (10).

Flow:



Result:

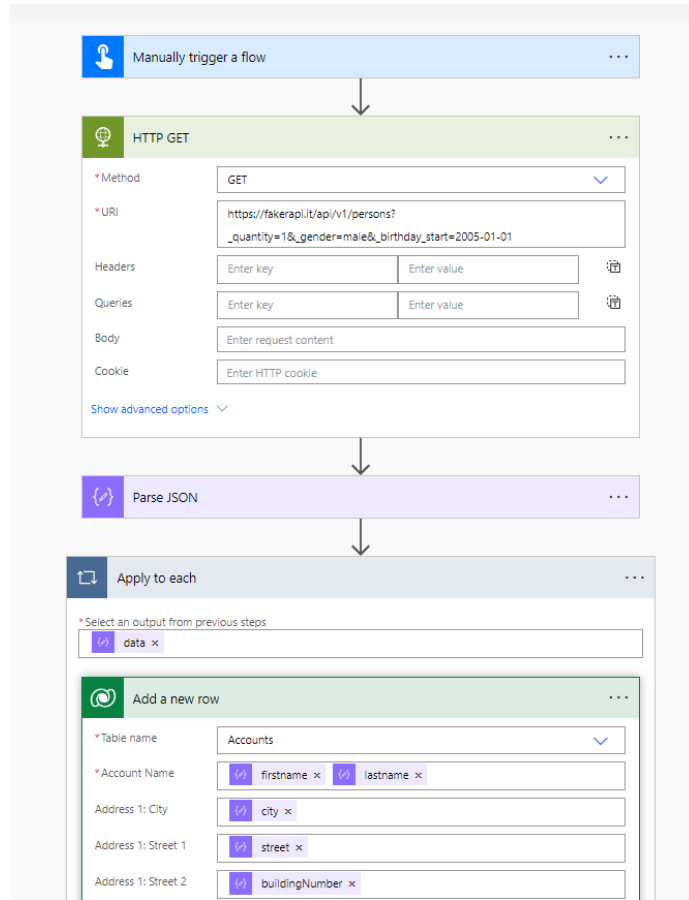




Power Automate - Third party API Integration

Action: Using the HTTP action to consume external APIs and create a record in Dataverse.

Flow:



Result:

The screenshot shows a record in the 'Asset Checkout' table. The record is for 'Issac Ritchie' and is saved. The record is categorized as an 'Account'.

ACCOUNT INFORMATION

Account Name	Issac Ritchie
Phone	+5781790911619
Fax	---
Website	http://stanton.com
Parent Account	---
Ticker Symbol	---

ADDRESS

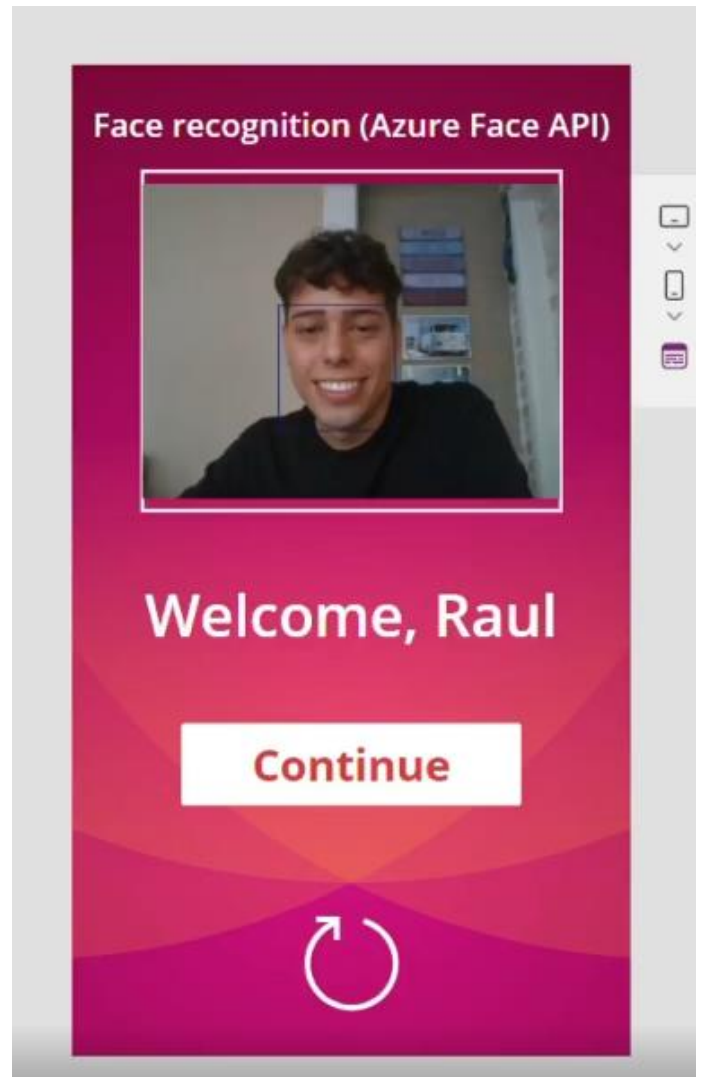
Address 1: Telephone 2	
Address 1: Street 1	748 DuBuque Trace
Address 1: Street 2	329
Address 1: Street 3	---
Address 1: City	Port Buddy



Power Apps (Canvas) – Face Recognition

App: This app can identify a person using the Azure Face API.

The AI was trained with other pictures before being enabled to identify the person.

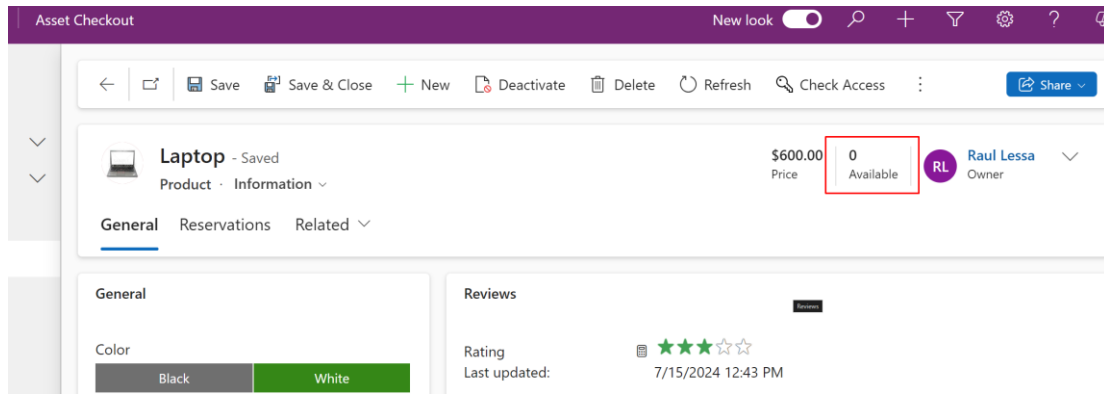




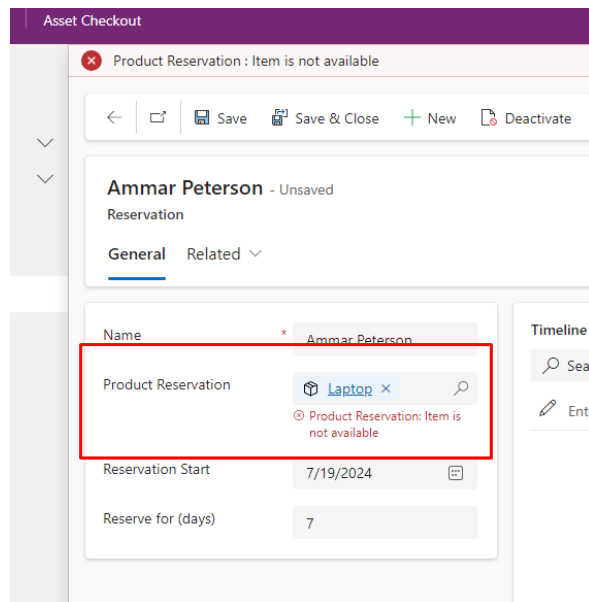
Power Apps (Model Driven) – JavaScript

Action 1: When the product changes, JS checks if the product's available quantity is greater than zero:

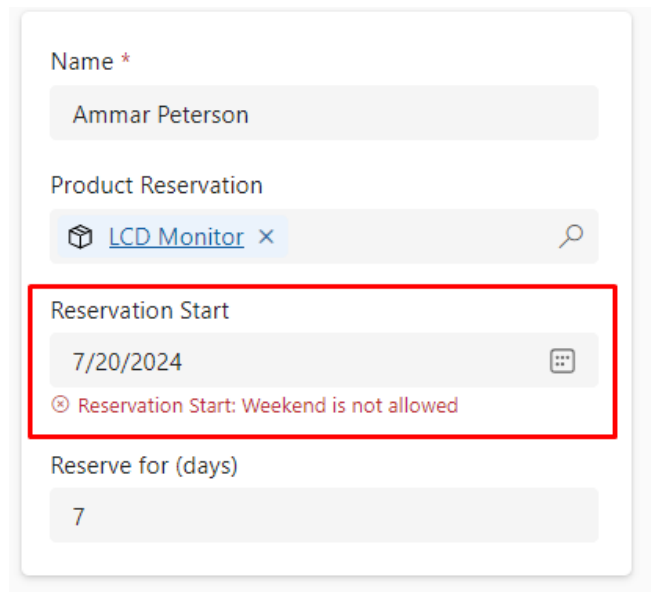
Product not available:



Alert in the field:



Action 2: Check the date. JS does not allow weekends.



Source code:

```
if (typeof Dynamics === "undefined") {
    Dynamics = {};
}
Dynamics.Methods = {
    formContext: {},
    OnLoad: function (executeContext) {
        Dynamics.Methods.formContext = executeContext.getFormContext();
        Dynamics.Methods.OnChange();
    },

    OnChange: function () {
        Dynamics.Methods.formContext.getAttribute("sample_reservationstart").addOnChange(Dynamics.Methods.CheckWeekend);
        Dynamics.Methods.formContext.getAttribute("sample_productreservationid").addOnChange(Dynamics.Methods.CheckItemAvailable);
    },

    CheckWeekend: function () {
        var date = Dynamics.Methods.formContext.getAttribute("sample_reservationstart").getValue();
        if (date == null) return;
        if (date.getDay() == 0 || date.getDay() == 6) {
            Dynamics.Methods.formContext.getControl("sample_reservationstart").setNotification("Weekend is not allowed", "IdWeekend");
        } else {
            Dynamics.Methods.formContext.getControl("sample_reservationstart").clearNotification("IdWeekend");
        }
    },

    CheckItemAvailable: async function () {
        var productId = Dynamics.Methods.formContext.getAttribute("sample_productreservationid").getValue();
        if (productId == null) return;

        var available = await Dynamics.Methods.GetItemAvailable(productId[0].id.replace("{", "").replace("}", ""));
        if (available <= 0) {
            Dynamics.Methods.formContext.getControl("sample_productreservationid").setNotification("Item is not available", "IdAvailable");
        } else {
            Dynamics.Methods.formContext.getControl("sample_productreservationid").clearNotification("IdAvailable");
        }
    },

    GetItemAvailable: async function (productId) {
        try {
            var result = await Xrm.WebApi.retrieveRecord("sample_product", productId, "?$select=sample_available");
            return result.sample_available;
        } catch (error) {
            console.error(error.message);
            return null;
        }
    },
};
```



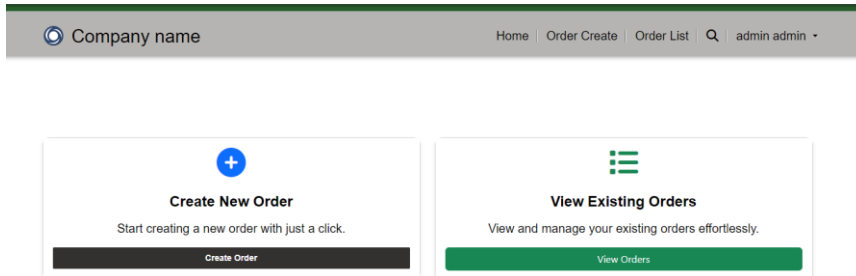

Power Pages

Scenario: External users need to be able to create orders and view products similar to an ecommerce platform.

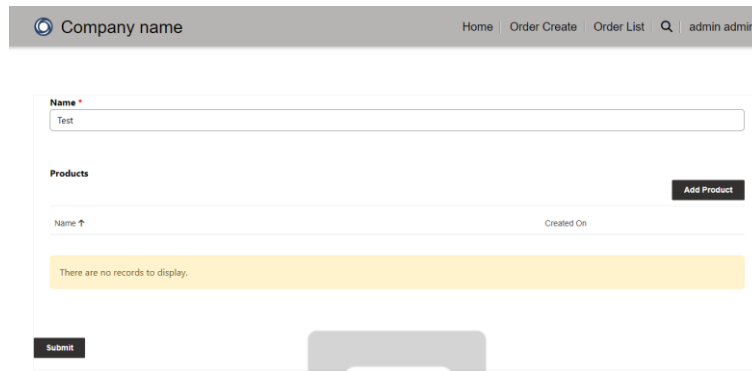
URL: <https://raul-lessa.powerappsportals.com/>

User: admin/Password: admin

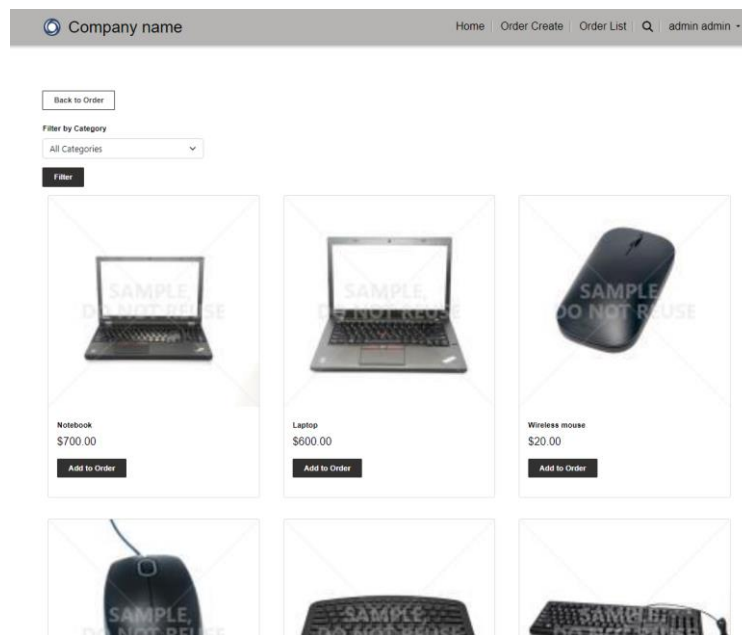
Home



Form View



Product View

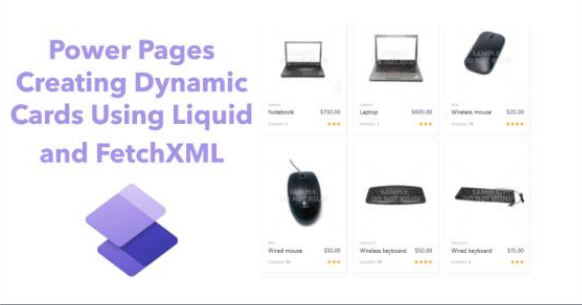


LinkedIn articles

I also write articles to help the Power Platform community. Here are some examples:

Raul Lessa • Você
Microsoft Dynamics 365 & Power Platform Developer | PL-900, PL-60...
2 sem • 🌐


Hello Developers! 🌱👋 I've written an article about creating dynamic elements using Liquid and FetchXML in Power Pages. [...ver mais](#)



Power Pages - Using Liquid and FetchXML to Create Dynamic Elements
Raul Lessa no LinkedIn • 1 min de leitura
Liquid is an open-source template language integrated into Power Pages. It can be used t...

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Microsoft Dynamics 365 & Power Platform Developer | PL-900, PL-60...
1 m • 🌐

Hello Developers! 👋 I've written an article on populating Word documents using Power Automate. If you want to learn how to efficiently create and fill Word documents, be sure to check it out! 📌 [...ver mais](#)




AUTOMATE YOUR WORD DOCUMENTS
Creating and Populating Word Documents with Power Automate
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Power Automate is a powerful tool that allows users to automate various tasks, including ...

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👁️ Doesn't quite look like Power Apps canvas, right? 🤔 It's possible to utilize HTML elements to craft beautiful components. Dive into this article to learn more about it. 📌



HTML & CSS in Power Apps
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While native buttons and elements in Power Apps may not always meet design expectati...

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For Power Automate developers, here are some suggested practices to improve the maint...

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