EXPERTS LIVE
KENYA

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NAIROBI, KENYA

Power Platform for the Code-first developer

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Software Developer

Agenda

Intro to Power Platform

Scenarios for custom code development

Best Practices for code development on power platform

Intro to Power Platform

Microsoft Power Platform
The most complete low-code platform

Power Apps
Application development

Power Automate
Process automation

Power BI
Business analytics

Power Virtual Agents
Intelligent bots

Power Pages
Business websites

Data connectors

AI Builder

Microsoft Dataverse

Power Fx

Managed Environments

Types of Power Apps

Canvas apps

Model-driven apps

Web portals

Scenarios for custom code on model driven apps

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Form fields mandatoriness

Form fields visibility

Filter based on other fields

Custom buttons on Grids

Gridlines Customization

Ribbon Workbench

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It is a tool designed to simplify customizing the ribbon interface on dynamics 365 or Microsoft power platform

Installation

- Download from [Develop 1 Ltd | Ribbon Workbench for Dynamics 365 & Dynamics CRM](#)
- Upload the managed solution to your environment
- Add desired tables to the solution and ensure that Include all components is UNCHECKED, and it should display 'No components selected'

Best Practices for code development on Power Platform

- Check on function naming conventions
- Using solutions to package your apps and everything related to the app.
-Remember To add all custom components to your model driven app

```
var EquipmentformCustomizations = {

    onFormLoad: function (executionContext) {

        var formContext = executionContext.getFormContext();

        if (formType != 1)
          {
            formContext.getControl("dev_category").setVisible(true);
            formContext.getAttribute("dev_description").setRequiredLevel("required");
          }
            formContext.getControl("dev_category").setVisible(false);
            formContext.getAttribute("dev_description").setRequiredLevel("none");

        },
```

Snippet 1

```javascript
LaunchPage: function (gridControl) {

        var recordTableName = formContext.data.entity.getEntityName();
        var selectedRecordID = primaryItemId.toString().replace(/[{}]/g,"").toLowerCase();


        var pageInput = {
            pageType: "custom",
            name: "dev_pagelaunch_b75ad",
            entityName: recordTableName,
            recordId: selectedRecordID

        };
        var navigationOptions = {
            target: 2,
            width: {value: 400, unit: "px"},
            height: {value: 400, unit: "px"},
            title: "Experts Live"
        };


        Xrm.Navigation.navigateTo(pageInput, navigationOptions).then(
            function success() {
                if (gridControl) { gridControl.refresh(); }
            },
            function error() {
                if (gridControl) { gridControl.refresh(); }
            }
        );
```

Snippet 1

https://ribbonworkbench.uservoice.com/knowledgebase/articles/169819-speed-up-publishing-of-solutions

Model-driven apps developer documentation - Power Apps | Microsoft Learn

https://developer.microsoft.com/en-us/microsoft-365/dev-program

Resources

Session Feedback

Session Track: M365

Session Name: Power Platform for the Code-first Developer

Experts Live Kenya

Experts Live KE 2024 Attendee Feedback

THANK YOU

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