# Power Apps KPI Dashboard Walkthrough Guide

This guide explains how to build the initial Power Apps dashboard using the Excel tables provided by management. It shows the screen structure, step-by-step setup, and sample formulas (Power Fx).

## 1. Excel Structure

The workbook contains six tables (tabs):  
- tblDepartment (DeptCode, Department, Leader)  
- tblPillars (PillarID, Pillar)  
- tblObjectives (ObjectID, Objective, PillarID)  
- tblDAPriorities (DAPriorityID, Priority, ObjectID, PillarID)  
- tblPriorities (PriorityID, Priority, DeptCode, ObjectID)  
- tblKPIs (KPIID, KPI, PriorityID)  
  
KPIs currently link only to department-level Priorities.

## 2. Power Apps Screens

The app is designed with multiple screens to reflect the hierarchy:

* • Home – select Department and Pillar, quick summary.
* • Objectives – show Objectives for the selected Pillar.
* • Priorities – show Departmental Priorities for the selected Objective.
* • DA Priorities – show enterprise-wide DA Priorities for the Objective.
* • KPIs – show KPIs linked to the selected Priority.

## 3. App OnStart Code

Add this to App.OnStart to preload data into collections and define variables:  
  
ClearCollect(colDepartment, tblDepartment);  
ClearCollect(colPillars, tblPillars);  
ClearCollect(colObjectives, tblObjectives);  
ClearCollect(colDAPrio, tblDAPriorities);  
ClearCollect(colPrio, tblPriorities);  
ClearCollect(colKPIs, tblKPIs);  
  
Set(varSelectedDept, Blank());  
Set(varSelectedPillar, Blank());  
Set(varSelectedObjective, Blank());  
Set(varSelectedPriority, Blank());

## 4. Home Screen

Dropdowns:

* • ddlDept.Items = Sort(tblDepartment, Department, Ascending)
* • ddlPillar.Items = Sort(tblPillars, Pillar, Ascending)

Button (Go):

Set(varSelectedDept, ddlDept.Selected);  
Set(varSelectedPillar, ddlPillar.Selected);  
Navigate(scrObjectives, ScreenTransition.Cover)

## 5. Objectives Screen

Gallery Items:  
If(IsBlank(varSelectedPillar) || IsBlank(varSelectedPillar.PillarID),  
 Sort(tblObjectives, Objective, Ascending),  
 Sort(Filter(tblObjectives, PillarID = varSelectedPillar.PillarID), Objective, Ascending)  
)

Gallery OnSelect: Set(varSelectedObjective, ThisItem); Navigate(scrPriorities, ScreenTransition.Cover)

## 6. Priorities Screen (Department lane)

Gallery Items:  
With({\_dept: Coalesce(varSelectedDept.DeptCode, "")},  
 Sort(Filter(tblPriorities,  
 (IsBlank(\_dept) || DeptCode = \_dept) &&  
 (IsBlank(varSelectedObjective.ObjectID) || ObjectID = varSelectedObjective.ObjectID)  
 ), Priority, Ascending)  
)

Gallery OnSelect: Set(varSelectedPriority, ThisItem); Navigate(scrKPIs, ScreenTransition.Cover)

## 7. DA Priorities Screen

Gallery Items:  
Sort(Filter(tblDAPriorities,  
 IsBlank(varSelectedObjective.ObjectID) || ObjectID = varSelectedObjective.ObjectID  
), DAPriorityID, Ascending)

Note: KPIs are not linked to DA Priorities yet. Future enhancement: add DAPriorityID to tblKPIs.

## 8. KPIs Screen

Gallery Items:  
If(IsBlank(varSelectedPriority.PriorityID), FirstN(tblKPIs,0),  
 Sort(Filter(tblKPIs, PriorityID = varSelectedPriority.PriorityID), KPIID, Ascending)  
)

## 9. Navigation

Add buttons on each screen:

* • Home: Navigate(scrHome, ScreenTransition.Fade)
* • Back: Back()

## 10. Next Steps

• Add DAPriorityID column to tblKPIs so DA Priorities can show KPIs.  
• Add columns Owner, Status, Target, Actual, DueDate for operational tracking.  
• Migrate tables to SQL Server for better scalability and role-based security.