

EXPERTS LIVE KENYA

26TH JULY 2024
NAIROBI, KENYA



Responsive & Beautiful PowerApps Faster with Material Design

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and MarathonXP

A co-founder at www.betahoodtech.com

Agenda



1. PowerApps overview
2. Single Stylesheet
3. Building on canvas: Move it around
4. Building on canvas: Flex
5. Material Design Component
6. Setup
7. YAML



Overview

o o o o

Use prebuilt templates, drag-and-drop functionality, and quick deployment for fast building and continuous improvement.

- ❖ Finance – Budgets, forecasts, and reports.
- ❖ Sales and Marketing
- ❖ Human Resources
- ❖ Operations
- ❖ And more...



Low code doesn't mean low standards!

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- Most users do not have UI/UX training
- Outcome does not match the effort
- Inconsistencies
- Not easy to get the app running
- Low app usage/adoption

Single Stylesheet

Yes! Use one style record for all your controls. Just like a DOT CSS file 😍.

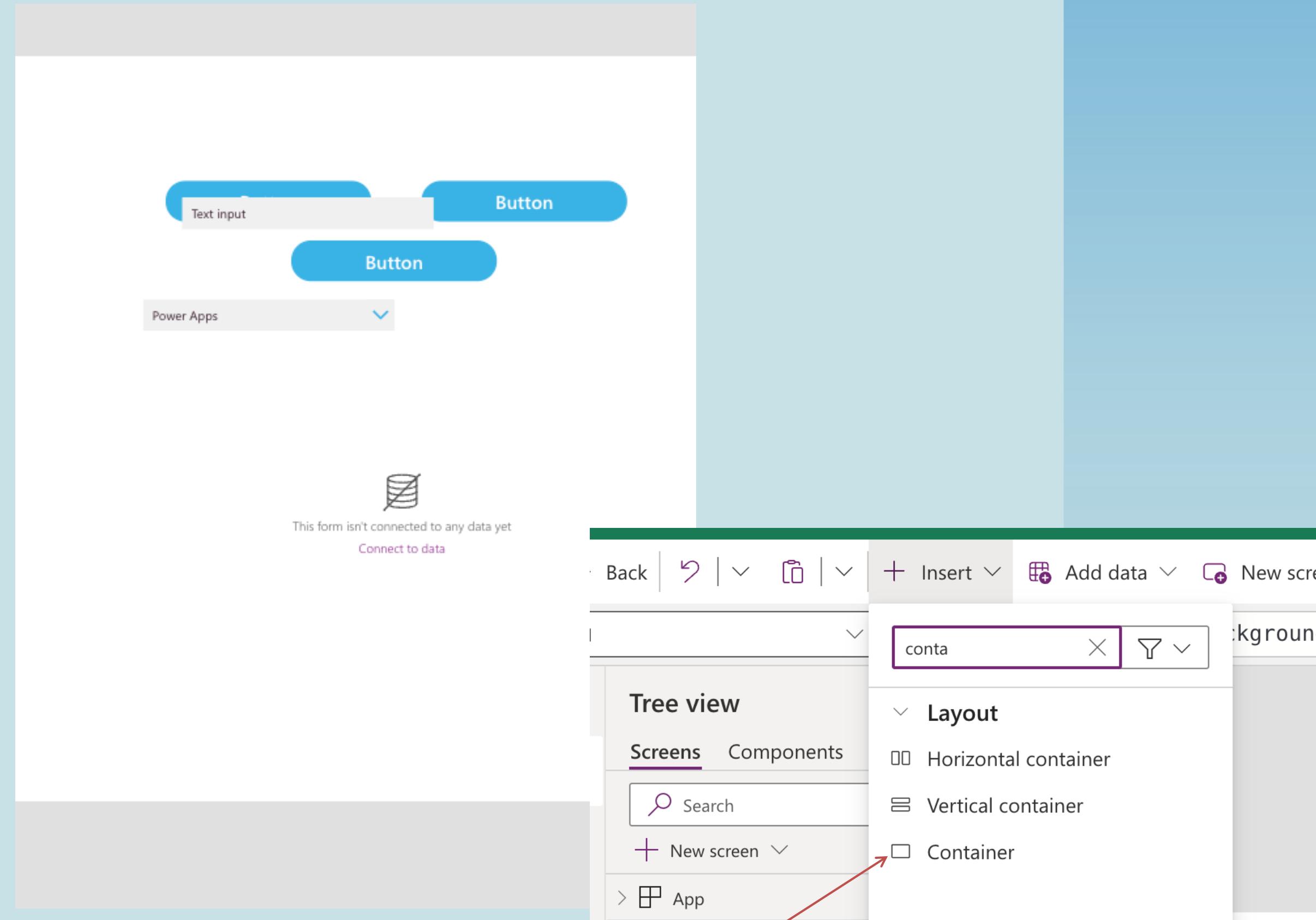
Why?

1. Consistency
2. Reusability
3. Single point of reference

```
Set(
    defaults,
{
    primaryColor: RGBA(58, 179, 229, 1),
    secondaryColor: RGBA(133, 214, 215, 1),
    disabledColor: Color.Gray,
    backgroundColor: RGBA(255, 255, 255, 1),
    greyColor: RGBA(243,247,253,1),
    elementBackgroundColor: RGBA(240,240,240,1),
    textColor: RGBA(57,32,48,1),
    subTextColor: RGBA(139,154,159,1),
    yellowColor: RGBA(249,226,0,1),
    errorColorLight: RGBA(255, 248, 248, 1),
    errorColor: ColorValue("#B00020"),
    font: "Century gothic, 'Segoe UI'",
    fontSize: 12,
    borderRadius: 25,
    borderColor: Color.Transparent,
    inputFill: RGBA(240, 240, 240, 1),
    inputBorderThickness: 0.5
}
);
Set(
    defaults,
Patch(
    defaults,
{
    primaryColorHex: Match(JSON(
        defaults.primaryColor,
        JSONFormat.IgnoreUnsupportedTypes
    )),
    "#[a-fA-F0-9]{6}"
).FullMatch,
...
)
);
```

Building on Canvas: Moving it around

- Clustered!
- Dragging & dropping...
- Manually provide the X & Y, Length & Width for alignment



Try to avoid normal containers

Building on Canvas: Flex

- Clean slate!
- Control the alignment
- Consistency components

The image shows a mobile application development interface. At the top, there is a horizontal container containing three blue rounded rectangular buttons labeled "Button". Below this is a vertical container containing three blue rounded rectangular buttons, a light gray text input field labeled "Text input", and a date picker field showing "21/07/2024". The interface includes a toolbar with "Back", search, and navigation icons, and buttons for "Insert", "Add data", and "New screen". A sidebar on the right is titled "Tree view" and shows a hierarchy under "Layout": "Horizontal container" (selected), "Vertical container", and "Container". Red arrows point from the text "Vertical & Horizontal container ✓" at the bottom left to the "Horizontal container" and "Vertical container" items in the tree view.

Horizontal container

Vertical container

Vertical & Horizontal container ✓

Tree view

Screens Components

Horizontal container

Vertical container

Container

Material Design Component:

Why

From Google Material Design

- Less friction
- Looks coherent
- Works harmoniously
- Helps with usability and learnability
- Seamless user experience
- Increases user satisfaction
- Improves DevX
- Enhances reusability

Introducing the powerapps design toolkit



Setup



1. Import [Solution file](#) to all environments you want to develop canvas apps using the components
2. Download [template file](#)
3. Read documentation of the [template](#)
4. Open msapp-template-file (create -> SharePoint -> open -> select file)
5. Select on Plus sign (Insert).
6. At the bottom of the screen , find option **Get more components**
7. Choose **MaterialDesign component** library. (This gets added from solution import done in step 1)
8. Material Design controls should appear under **Library components** (Under insert button)
9. Change the OnStart-properties to match your company branding [Single styling]

YAML 🔥 in power apps

Modals

Betahood Issue Tracker

ISSUES

Search by IssueID

New issue

Filters

Reminders

Issue ID	Source	Department	Business Unit	Business Owner	Issue Type	Due Date	Status
I202401	Branch Audit	Account Maintenance	Global Markets	Emmanuel Atemba	Product	20/06/2024	Overdue
I202403	Branch Engagements	Cash Management				20/06/2024	Overdue
I20240108	CSAT	Business Banking Cre...				31/08/2024	Closed

Are you sure you want to delete Issue ID 1 ?

Deleting this issue will remove it from the action tracker.
This action cannot be undone.

Cancel Delete issue

Forms

Betahood Issue Tracker


ISSUES

Search by

ALL

OPEN

CLOSED

ONGOING

ONHOLD

Issue ID	Source	Department	Business Unit	Business Owner
I202401	Branch Audit	Account Maintenance	Global Markets	Emmanuel Ate
I202403	Branch Engagements	Cash Management	Finance	Emmanuel Ate
I20240108	CSAT	Business Banking Cre...	Corporate Banking	Emmanuel Ate



NEW ISSUE FORM



Source of insight

Select source of insight

Country

Department

Pain point

Add pain point

Action point

Add action point

Root cause

Describe the root cause

Issue impact

Add issue impact

Update (optional)

Add update if any

Cancel

Submit issue

Responsive reports

Betahood Action Tracker

Menu

REPORTS

GENERAL REPORT

OWNERSHIP REPORT

YEAR

All

SOURCE OF INSIGHT

All

COUNTRY

All

DEPARTMENT

All

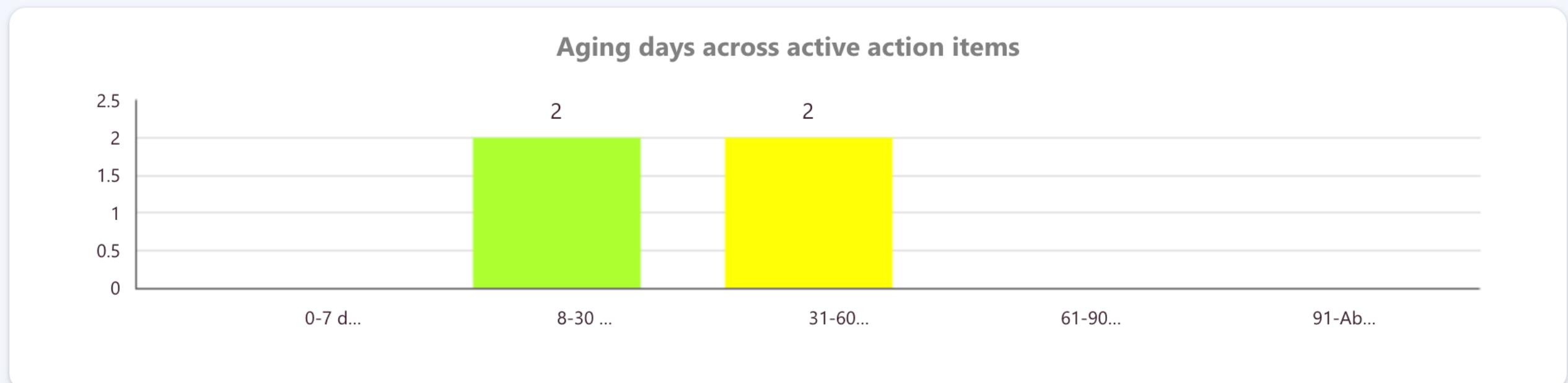
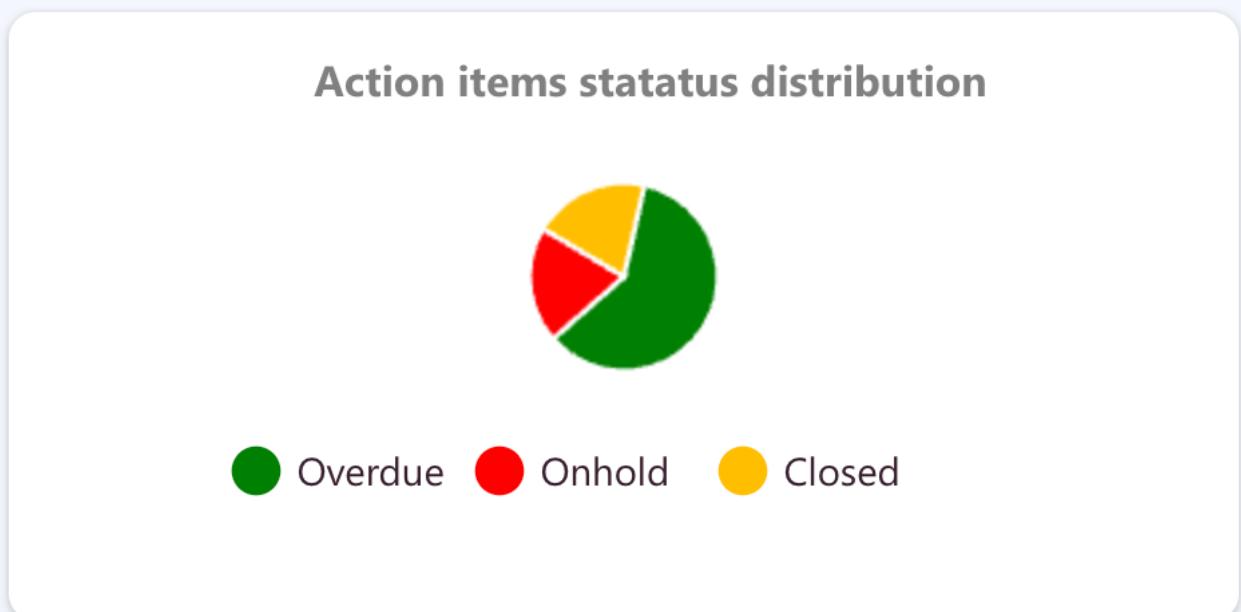
BUSINESS UNIT

All

ISSUE TYPE

All

Action items status summary		
STATUS	TOTAL (5)	PERCENTAGE
Overdue	3	60%
Onhold	1	20%
Closed	1	20%



Expanded menu

Betahood Action Tracker

[Action items](#)

[REPORTS](#)

[Reports](#)

[Settings](#)

GENERAL REPORT

OWNERSHIP REPORT

YEAR

All

SOURCE OF INSIGHT

All

COUNTRY

All

DEPARTMENT

All

BUSINESS UNIT

All

ISSUE TYPE

All

Action items status summary

STATUS	TOTAL (5)	PERCENTAGE
Overdue	3	60%
Onhold	1	20%
Closed	1	20%

Action items status distribution

Status	Percentage
Overdue	60%
Onhold	20%
Closed	20%

Aging days across active action items

Aging Days	Count
0-7 d...	2
8-30 ...	2
31-60...	2
61-90...	0
91-Ab...	0



**Power Platform Help Desk
WA Group**

Session Feedback

Session Track

- M365 & Power Platform Track

Session Name

- Responsive & Beautiful Power Apps with Material Design

Experts Live KE 2024 Attendee
Feedback



THANK YOU

Emmanuel Atemba

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