**Query 1: Fetches errormessages, users, and their agencies**

SELECT

f.PageName,

STUFF((

SELECT DISTINCT '; ' + f2.ErrorMessage

FROM FlattenPageViewData f2

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS ErrorMessages,

STUFF((

SELECT DISTINCT ', ' + f2.ErrorType

FROM FlattenPageViewData f2

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS ErrorTypes,

STUFF((

SELECT DISTINCT ', ' + f2.UserId

FROM FlattenPageViewData f2

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS Users,

STUFF((

SELECT DISTINCT ', ' + a2.AgencyName

FROM AgencyMapping a2

JOIN FlattenPageViewData f2 ON f2.UserId = a2.AgentName

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS Agencies

FROM FlattenPageViewData f

LEFT JOIN AgencyMapping a

ON f.UserId = a.AgentName

WHERE f.PageName IN ('autoidcard', 'ID Card')

GROUP BY f.PageName

ORDER BY f.PageName;

**Query 2: Fetch the unique values in errormessage**

select distinct ErrorMessage from FlattenPageViewData

where PageName in ('autoidcard', 'ID Card')

**Query 3: Fetches the count of each PageName where the autoid card error has occurred**

SELECT

f.PageName,

COUNT(\*) AS ErrorCount,

STUFF((

SELECT DISTINCT '; ' + f2.ErrorMessage

FROM FlattenPageViewData f2

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS ErrorMessages,

STUFF((

SELECT DISTINCT ', ' + f2.ErrorType

FROM FlattenPageViewData f2

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS ErrorTypes,

STUFF((

SELECT DISTINCT ', ' + f2.UserId

FROM FlattenPageViewData f2

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS Users,

STUFF((

SELECT DISTINCT ', ' + a2.AgencyName

FROM AgencyMapping a2

JOIN FlattenPageViewData f2 ON f2.UserId = a2.AgentName

WHERE f2.PageName = f.PageName

FOR XML PATH(''), TYPE).value('.', 'NVARCHAR(MAX)'), 1, 2, '') AS Agencies

FROM FlattenPageViewData f

LEFT JOIN AgencyMapping a

ON f.UserId = a.AgentName

WHERE f.PageName IN ('autoidcard', 'ID Card')

GROUP BY f.PageName

ORDER BY f.PageName;

**Query 4: To find the user with most errors**

WITH UserErrors AS (

SELECT

f.UserId,

f.PageName,

COUNT(\*) AS ErrorCount

FROM FlattenPageViewData f

WHERE f.PageName IN ('autoidcard', 'ID Card')

GROUP BY f.UserId, f.PageName

)

SELECT

u.UserId,

u.PageName,

u.ErrorCount,

a.AgencyName

FROM UserErrors u

LEFT JOIN AgencyMapping a

ON u.UserId = a.AgentName

WHERE u.PageName IN ('autoidcard', 'ID Card')

ORDER BY u.ErrorCount DESC

**Query 5: to know the user with most autoid card/id card errors**

WITH AgentErrors AS (

SELECT

f.UserId,

COUNT(\*) AS ErrorCount

FROM FlattenPageViewData f

WHERE f.PageName IN ('autoidcard', 'ID Card')

GROUP BY f.UserId

)

SELECT

a.AgentName,

ae.ErrorCount

FROM AgentErrors ae

JOIN AgencyMapping a

ON ae.UserId = a.AgentName

ORDER BY ae.ErrorCount DESC

**Query 6: To find the agency with most errors**

WITH AgencyErrors AS (

SELECT

a.AgencyName,

COUNT(\*) AS ErrorCount

FROM FlattenPageViewData f

JOIN AgencyMapping a

ON f.UserId = a.AgentName

WHERE f.PageName IN ('autoidcard', 'ID Card')

GROUP BY a.AgencyName

)

SELECT

ae.AgencyName,

ae.ErrorCount

FROM AgencyErrors ae

ORDER BY ae.ErrorCount DESC

**Query 7: To count the number of Agents who encountered the autoidcard error**

SELECT

COUNT(DISTINCT f.UserId) AS NumberOfAgents

FROM FlattenPageViewData f

WHERE f.PageName IN ('autoidcard', 'ID Card')

AND f.ErrorMessage IS NOT NULL;

**Query 8: To find the Agents who encountered the autoidcard error**

SELECT

DISTINCT f.UserId AS NumberOfAgents

FROM FlattenPageViewData f

WHERE f.PageName IN ('autoidcard', 'ID Card')

AND f.ErrorMessage IS NOT NULL;

**Query 9: To count the number of autoidcard errors that have occurred**

SELECT

COUNT(\*) AS AutoIdCardCount

FROM FlattenPageViewData f

WHERE f.PageName = 'autoidcard';

**Query 10: To count the number of errors and number of success for each sitename and for each url**

SELECT SiteName, resourcepath,userId, errormessage,

COUNT(\*) AS TotalAutoIdCardVisits,

SUM(CASE WHEN ErrorMessage IS NOT NULL AND ErrorMessage <> '' THEN 1 ELSE 0 END) AS TotalErrors,

SUM(CASE WHEN ErrorMessage IS NULL OR ErrorMessage = '' THEN 1 ELSE 0 END) AS TotalSuccess

FROM flattenpageviewdata

WHERE PageName = 'autoidcard'

GROUP BY SiteName, resourcepath, UserId, errormessage

ORDER BY TotalErrors DESC;

[<Results in Donegal Tasks Workbook, 5MarAutoId sheet>](file:///C:\Donegal\Donegal%20Tasks.xlsx)

Execute and then delete the following queries

SELECT DISTINCT ResourcePath, APIError, PageName, ErrorMessage, ErrorType, SiteName, UserID, SaveDateTime

FROM flattenpageviewdata

WHERE

--ResourcePath IS NOT NULL

--AND

PageName = 'autoidcard'

and convert (date, SaveDateTime) between '2025-01-05' and '2025-03-06'

GROUP BY ResourcePath

ORDER BY SaveDateTime DESC

SELECT ResourcePath,

PageName,

ErrorMessage,

ErrorType,

APIError,

SiteName,

UserID,

SaveDateTime

FROM flattenpageviewdata

WHERE PageName = 'autoidcard'

AND CONVERT(date, SaveDateTime) BETWEEN '2025-01-05' AND '2025-02-06'

--GROUP BY ResourcePath

ORDER BY savedatetime DESC

SELECT SiteName,

ResourcePath,

COUNT(\*) AS TotalVisits,

SUM(CASE WHEN APIError IS NOT NULL THEN 1 ELSE 0 END) AS TotalErrors

FROM flattenpageviewdata

WHERE PageName = 'autoidcard'

GROUP BY SiteName, ResourcePath

ORDER BY SiteName, TotalErrors DESC;

SELECT SiteName, resourcepath,

COUNT(\*) AS TotalAutoIdCardVisits,

SUM(CASE WHEN ErrorMessage IS NOT NULL AND ErrorMessage <> '' THEN 1 ELSE 0 END) AS TotalErrors

FROM flattenpageviewdata

WHERE PageName = 'autoidcard'

GROUP BY SiteName,resourcepath

ORDER BY TotalErrors DESC;

SELECT SiteName, resourcepath,userId, errormessage,

COUNT(\*) AS TotalAutoIdCardVisits,

SUM(CASE WHEN ErrorMessage IS NOT NULL AND ErrorMessage <> '' THEN 1 ELSE 0 END) AS TotalErrors,

SUM(CASE WHEN ErrorMessage IS NULL OR ErrorMessage = '' THEN 1 ELSE 0 END) AS TotalSuccess

FROM flattenpageviewdata

WHERE PageName = 'autoidcard'

GROUP BY SiteName, resourcepath, UserId, errormessage

ORDER BY TotalErrors DESC;

SELECT ResourcePath,

COUNT(\*) AS VisitCount

FROM flattenpageviewdata

WHERE ResourcePath IS NOT NULL

AND PageName = 'autoidcard'

and convert (date, SaveDateTime) between '2025-01-05' and '2025-03-06'

GROUP BY ResourcePath;