

Spreadsheet to Web App

Drupal for your Data

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What's in your spreadsheets?

The screenshot shows a Google Drive interface with a search bar at the top containing the text "type:spreadsheet". Below the search bar, the results are displayed in a table format. The table has columns for "Name", "Owner", "Last modified", and "File size". The results are grouped into "Today" and "Earlier this week". The "Invoicing Workflow" spreadsheet is highlighted in blue.

Name	Owner	Last modified	File size
Today			
Invoicing Workflow	Jessica Labowitz	5:57 PM Jenni Jones	—
Kean University Pre-Discovery Estimate	Aaron Porcella	5:54 PM Aaron Porcella	—
AR Aging / Cashflow Inflow Report	Jeff W	5:33 PM Jenni Jones	—
Pages to Update	me	4:32 PM Malachy Egan	—
PIDC Invoices & Expected Payments	Alex Urevick-Ackelsberg	3:29 PM Jenni Jones	—
Employee Training Dates	me	3:19 PM me	—
Over/Under on Projects	Jeff W	3:15 PM Maddie Presland	—
Project Allocations 2018	Jeff W	12:38 PM Maddie Presland	—
LSAC Redesign HLP Timeline	Aaron Porcella	9:31 AM Aaron Porcella	—
Kean.edu Redesign HLP Timeline	Aaron Porcella	9:29 AM Aaron Porcella	—
Flitter Milz Editorial Calendar	Jeff W	9:13 AM Christine Germeroth	—
Earlier this week			
Probo - Hiring Plan	Alex Urevick-Ackelsberg	Jan 31, 2018 Alex Urevick-Ack...	—
Zivtech Birthdates and Cake Preferences	erik	Jan 31, 2018 Jenni Jones	—
Temple CPH Content Services	Aaron Porcella	Jan 31, 2018 Aaron Porcella	—
Probo Usage by Repo	Dan Z	Jan 31, 2018 James Cole	—
2018 Budget Template	Alex Urevick-Ackelsberg	Jan 31, 2018 Aaron Porcella	—
Sponsorship & Conference Considerations 2018	Maureen Gillette	Jan 30, 2018 Christine Germer...	—
LSAC CMS Architecture Plan	me	Jan 30, 2018 Alex Urevick-Ack...	—
CC-PS.W010	Jessica Labowitz	Jan 29, 2018 Jessica Labowitz	—
Zivtech Karma (Responses)	samantha	Jan 29, 2018	—

Advantages of Spreadsheets

- Easy to update
- Fast to create
- Understood by office workers
- Universal export format (csv)
- Easy to do calculations

When Spreadsheets Go Bad

- Critical to organization
- Calculation mistakes
- Inconsistent data formatting
- Software incompatibility
- Easy to make mistakes



Advantages of Database-driven Web Applications

- Consistent validated data formats
- Change history
- Integration with other services
- Full programming power for automation, reporting
- Handle large datasets
- Variable access control
- Integrate with file management

Downsides of Web Apps

- Harder to create
- Require maintenance for security
- Require hosting
- May require training
- Need user logins

When is it time to switch to a web app?

- Critical data
- Large dataset
- Opportunity for cost-saving automation
- Access control levels needed
- Longer form text, comments, or document integration needed

Why Drupal for data?

- Fast and easy to build data model
- Views for fast report building
- Flexible user roles & permissions
- Easy to extend with custom code