

# Empowering Site Owners by Developing Custom Views Plugins

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FOUR  
KITCHENS

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@nJim

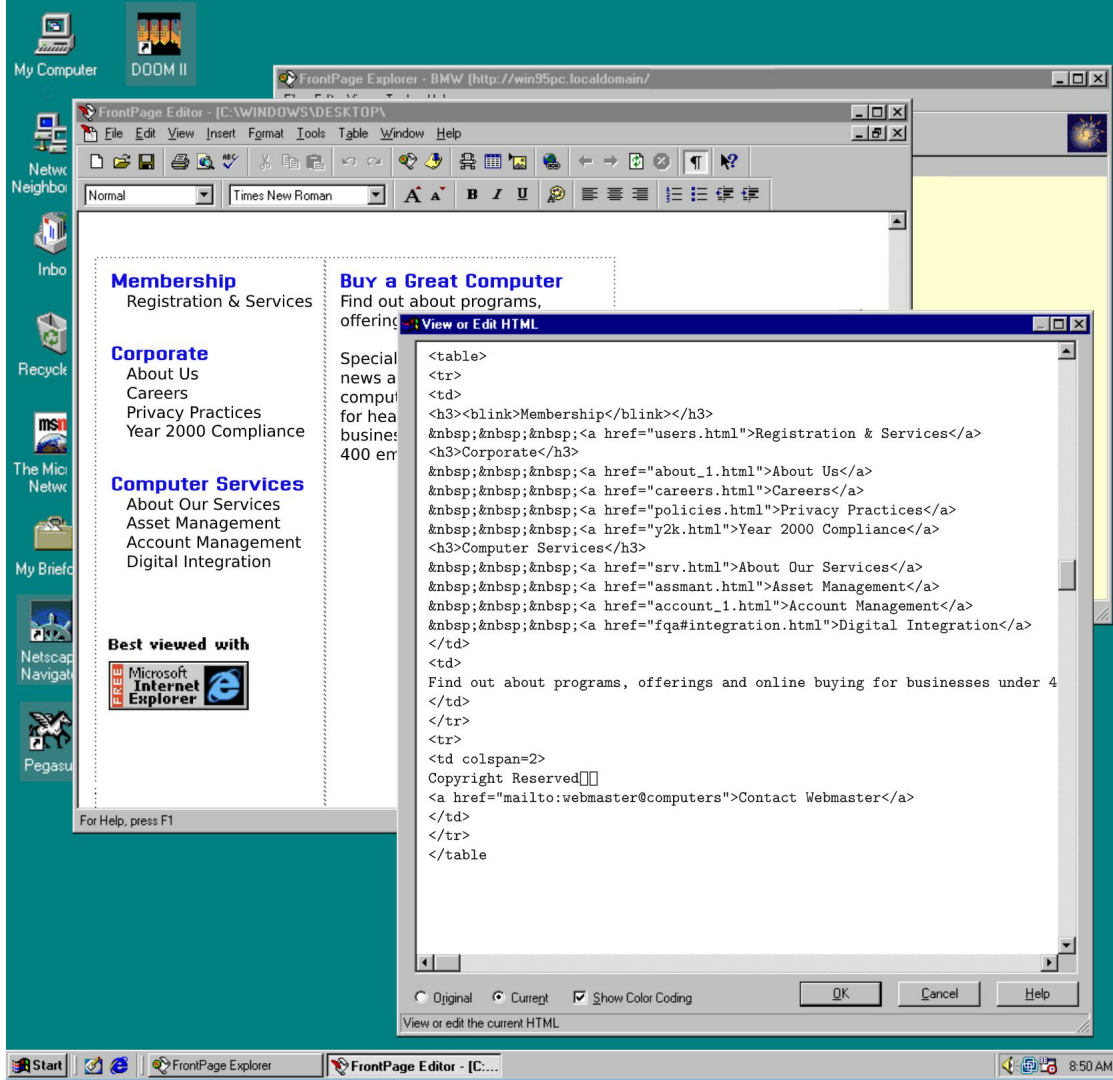


# Ode to a Webmaster

*The changing roles of IT in our digital channels*

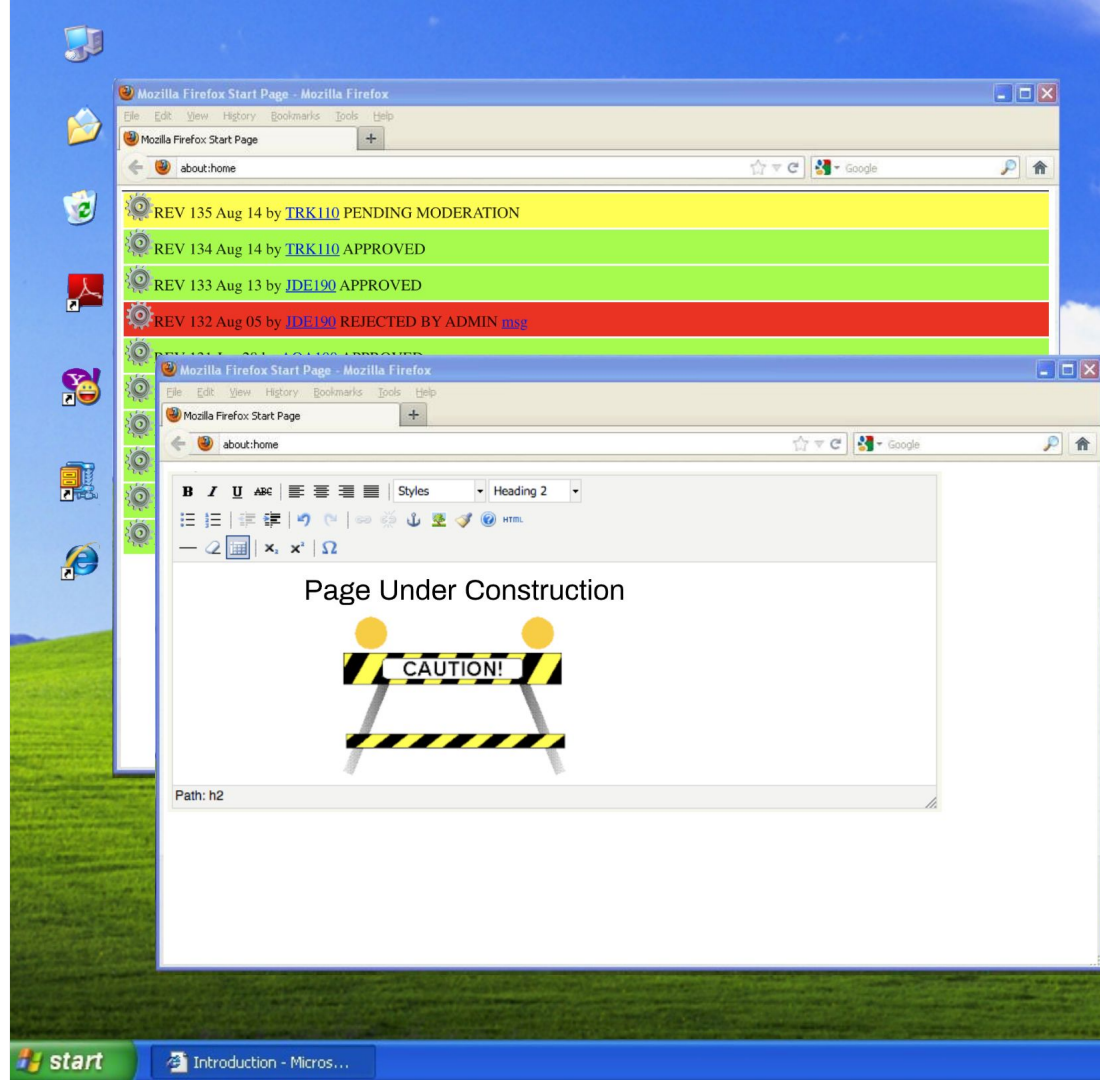
# Managing OG Static Sites

Updates and deployments are slow and very manual; while Webmasters can become process bottlenecks, we are reluctant to grant FTP access to the rest of the org.



# Homebrewed Solutions

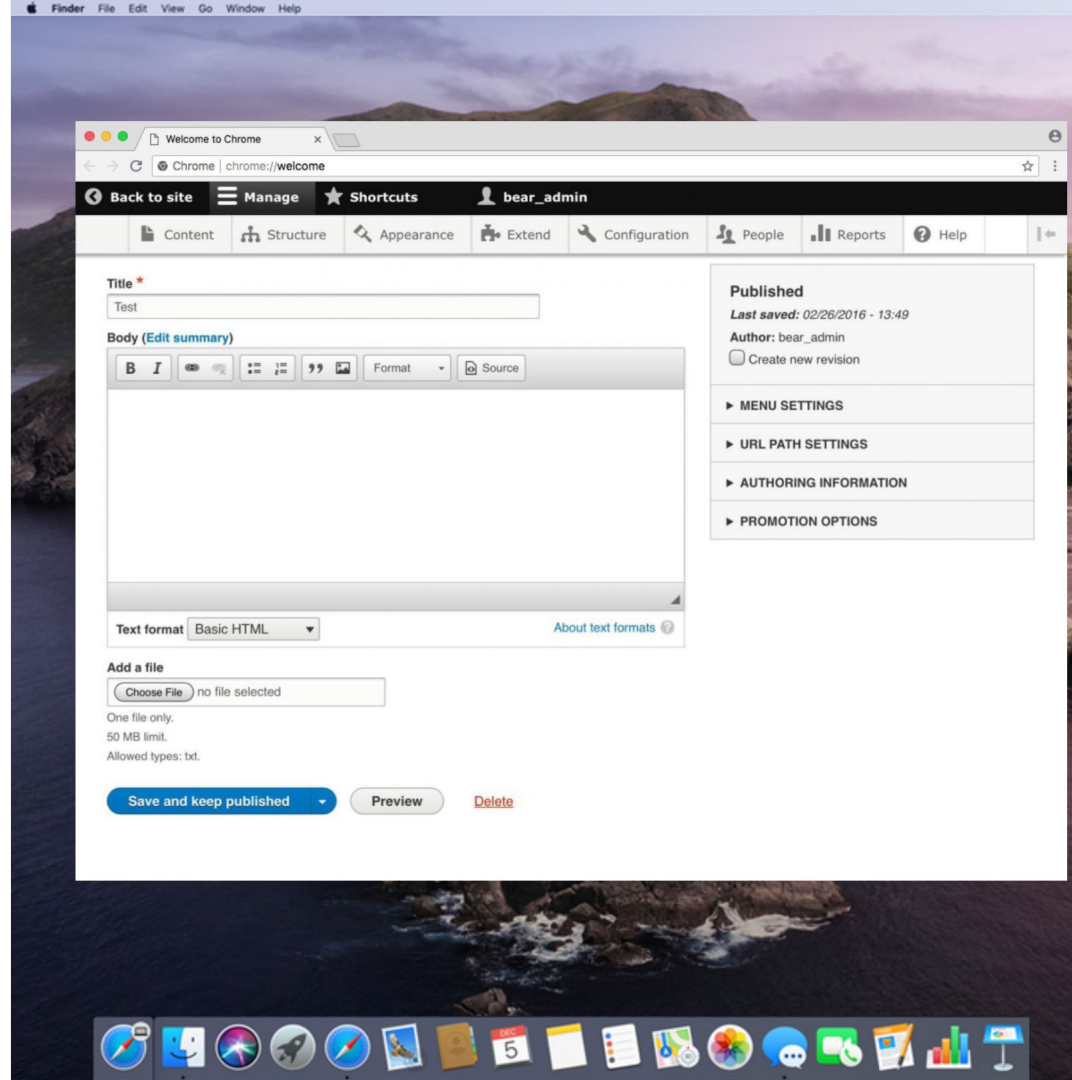
With colorful dashboards and icons, these early interfaces put content administration only a few clicks away -- but created new challenges in process and scaling.





# Open Source CMS Solutions

Desire for collaboration and fresh, relevant content required feature rich platforms that could be updated daily. Open source frameworks produce quality sites faster.



# Getting a Little Graphic

*The rise of GUIs and no-code tools in web development.*



> **Blocks** Style



Text



Boxed Text



Divider



Image



Image Group



Image Card



Image + Text



Share



Social Follow



Need ideas?

Create standout landing pages with these [9 design tips](#).

# Visual Builder

We have to adapt, because other software is pushing the envelope. Making it easy (and even fun) to build web apps.



### Manage display ☆

Edit Manage fields Manage form display Manage display


Default Teaser

+ Add Section

Content Title  
Tips for growing and storing herbs

Category: Health Author by Violet Willis Publication Date 29th January 2017

Header Image



### + Section Library

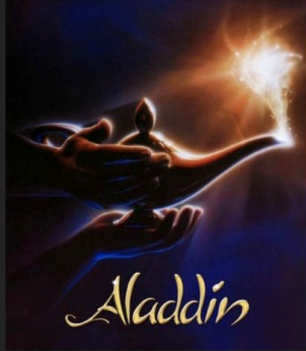
One column

Two column

Three column

# Layout Builder

The role of site-builder is expanding. These power users don't need a developer to click a button for them.



# 90s Movies Demo Site

Three content types:

- Movie
- Cast
- Person

Two vocabularies:

- Genre
- Keyword

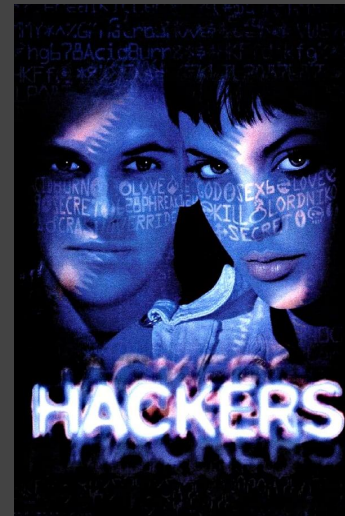
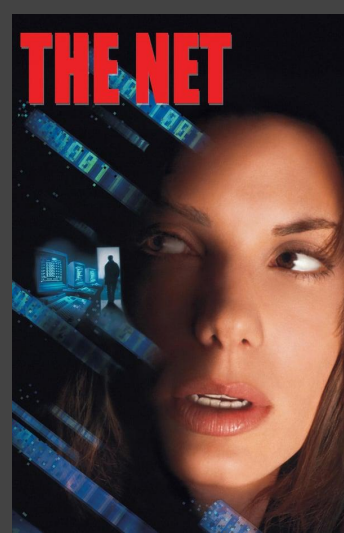
One user entity.

# Spectacular Views

*I can see my content model from up here.*

# Ways we can all benefit from using Views

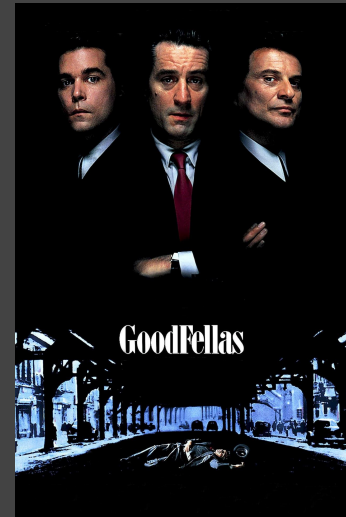
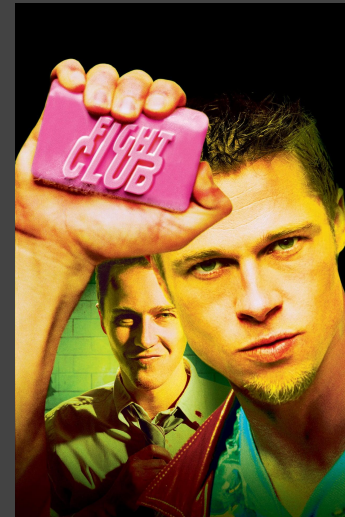
- **Feature Rich:** As a mature project, Views has many bells and whistles out of the box.
- **Extensible:** Many compatible modules to introduce new features to Views.
- **Accessible:** No-code required to get started. Plenty of training materials
- **Consistent:** Exported configs stored in a predictable/portable set of yaml files.
- **Supported:** Limits future technical debt.





# Reasons developer may avoid using Views

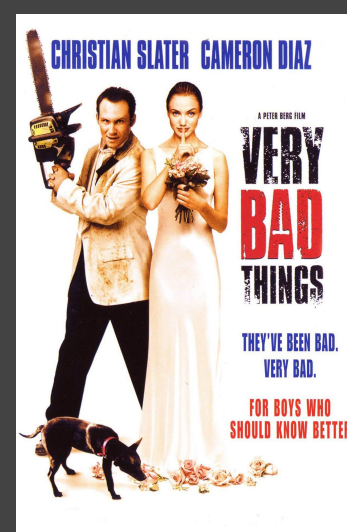
- **Control:** We like (need) to reinvent the wheel. Creating the perfect tool for the job.
- **Clarity:** Big Views can be overwhelming. We can comment and organize our custom code.
- **Not Powerful Enough:** Custom requests push the limits of what is possible in Views.





# Task: Create Collections

- Action and Adventure Movies  
WHERE category IN ('action', 'adventure')
- Family Comedies  
WHERE category = 'comedy' AND category = 'family'
- Happy Holidays  
WHERE keyword = 'holidays' and category <> 'horror'
- Now Trending  
WHERE popularity > '8' ORDER BY popularity DESC
- Cult Classics  
WHERE critics\_rating < '2' AND users\_rating > '8'
- Box Office Bombs  
movies, (revenue - budget) as profit WHERE profit < '0'  
ORDER BY profit ASC

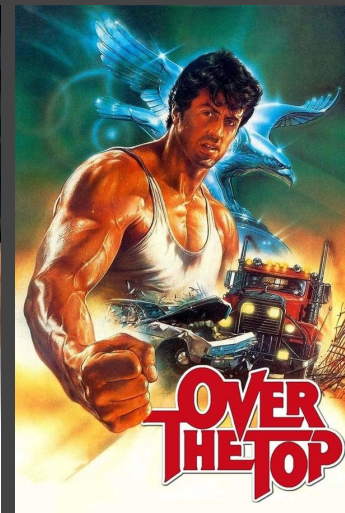


**‘Nuff slides.  
Let’s Drupal.**

# Making tasks difficult is not a security policy

Considerations for extending access to Views:

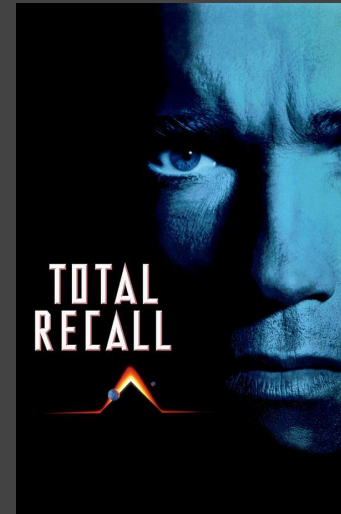
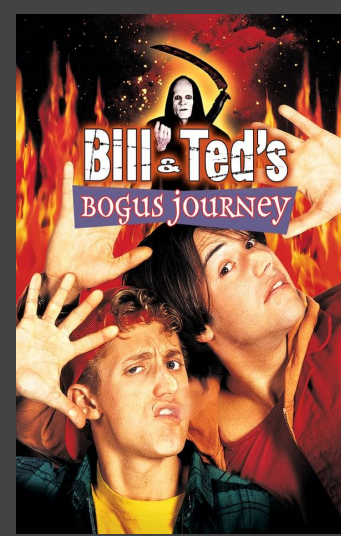
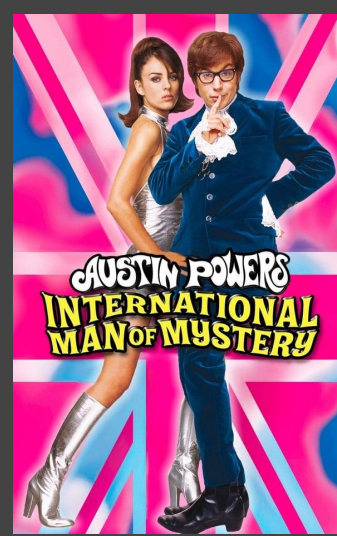
- Defining new **permissions** and roles
- Developing a **training** program
- Feature **request** process
- Change **review** process



# Overcoming technical barriers to contribution

Views are configuration and typically follow a prescribed workflow up a development stack.

- Assigning a **development** workflow
- Creating a **config management** strategy



# Empower your site owners

*They are ready and thirsty to for new ways to contribute to the dynamic and ever changing web.*



# Thank You

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Demo: [github.com/nJim/movies](https://github.com/nJim/movies)

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