

About us

Joshua Li

Drupal Developer

Drupal.org ID: RLi

• Email: josh.li@datacom.com.au

Experience: 4 years

Chris Cook

Drupal Specialist (Technical Lead)

Drupal.org ID: Feng-Shui

Email: chris.cook@datacom.com.au

Experience: 6 years



Topics

- Requirements development
- Project politics
- On site or off site?
- Let developers develop
- Knowledge transfer
- Test, test, test
- Infrastructure
- Plan for organisational change
- Module shopping & performance
- Documentation



Requirements development

Would you build a house without detailed plans?



Where do we start?

Selecting a CMS

- High level requirements developed
- Include infrastructure, security and high-level functionality, eg:
 - Integrates with Active Directory
 - Can enforce role based permissions
 - Can publish XML feeds
- These are used to select a CMS
- We choose Drupal because it's awesome
- Requirements done!



So what's the problem?

In a word: Detail.

- High level requirements do not contain enough detail to actually build a site
- "Can publish XML feeds" how many? what type of content? sorted by? URLs? access control?
- Hundreds of small decisions like these are required to build a Drupal site



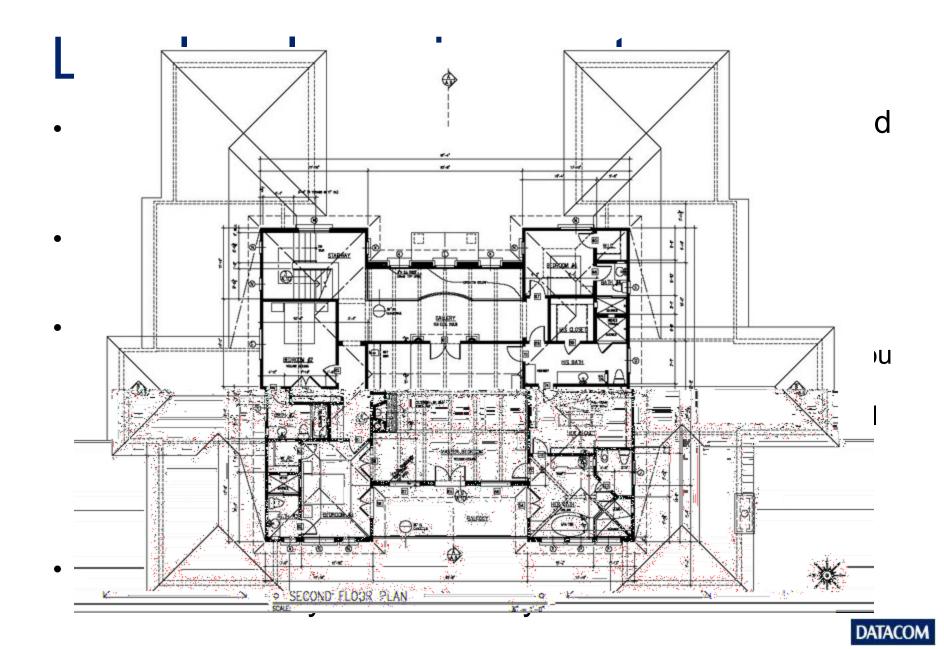
What can you do?

Let your consultant fill in the blanks or make it up as you go

- Very common solution
- Slow, unplanned and uncontrolled progress
 - Experienced Drupal consultants won't do a bad job, but, you'
 re putting them in control of the deliverable
- If the deliverables are "wrong" it's not good for morale, deadlines or the budget

Develop detailed, low-level requirements that eliminate all ambiguity and ensure the high-level requirements will be met.





Sounds like a lot of work...

- It is! This is the hardest, but most important phase of your project
- Building in Drupal is the easy bit
 - Even the most complex requirements are achievable when planned well
- You have more chance to:
 - Deliver a site that meets your user's needs
 - Deliver your project on time and on budget
 - Come out of an IT project at least as sane as you went in
- I have never seen a Drupal project with detailed requirements (that were followed) delivered late or over budget



Project politics

Help your developers understand the project's politics.



Stakeholders' view





Inform your consultant

Talk to your consultant about the attitude of stakeholders

- This will allow your consultant to:
 - Tailor any information with sensitivity to audience
 - Ensure they don't inadvertently commit themselves or you to specific functionality





On site or off site?

Where do you want your consultants located?



On site

You may feel more in control, but:

- Productivity can drop
- Consultants can find themselves
 - In conversation with stakeholders
 - Writing documentation for executive level meetings
 - Answering "Googlable" questions from colleagues

Make sure you:

- Determine the tasks for consultants
- Confirm the schedule for each task
- APS-ify consultants for documenting



Off site

Make sure they are working

- Participate in scrum (you should being doing this anyway)
- Check the code repository
- However:
 - Developers may not make any obvious (to you) progress on issues
 - Developers need to explain the situation



Let developers develop

Would you let your bricklayer pick your curtains?



Developers develop





Knowledge transfer

This is not The Matrix, knowledge transfer takes time.



Do you need it?

Who is going to manage the website in future?

Ask their opinions

Prioritise it

It can be forgotten





What to transfer?

- Infrastructure management
- Site building
- Module development
- Regression testing
- Troubleshooting WSoD (White Screen of Death)
- Source control and release management

Friday afternoon "master class"



Test, test, test

How confident are you that this release won't cause errors?



Errors

Regression errors

- A change 'here' broke something totally unrelated over there
 - We've seen an update to the UUID module prevent the Date module providing Tokens to FileField Paths module. Who was the culprit? The Entity API module. Complex? Yep!
- Very hard to track down

Development errors

 How do you know that new functionality works?





Test

Simple test

- Developers build tests as they build site functionality
- Ensure the site is functioning correctly
- Drupal tests itself automatically!

Time consuming

- It takes developers time to write tests
- Won't be efficient if quick solution is needed

But!

- No more testing by hand, saves hours (of testing and troubleshooting)
- Reproducible



Infrastructure VHS or Betamax?

Drupal can utilise

















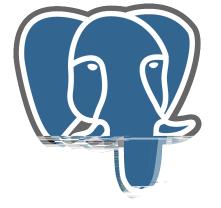






CentOS























Do you have the infrastructure?

Make sure your consultants talk to your infrastructure team

- Your consultants may use different infrastructure
- Make sure your consultants know the infrastructure you are going to use
- Does your infrastructure team know what they are doing?
- Drupal often requires changes to default settings
- Let your infrastructure team decide based on their expertise



Plan for organisational change

What happens when you get 'MoG'ed, again?



Get 'MoG'ed, again?





Module shopping & performance

How many modules is too many modules?



How many modules do you have?

There is no limit...

- Meet your user requirements first
- Then your performance requirements

So why do we care how many?





Performance

The more modules we have, the slower is the site?

- Yes but, be clear about performance requirements
- Performance requirements
 - Do you need to be able to serve 30,000 hits "a day" or 30,000 hits between 9am and 5:00pm?
 - Does the system need to be available 24 hours a day, or just between business hours?
- Cache everything
- Coding standards



Documentation

Why did we do it that way?



Developers don't like it

So, help them understand why it's important to you!

- If they understand, they will be more willing to help
- We often find that documentation sits in a shelf and is never used - hence the reluctance

Make sure your developers document:

- In the standard for your Department
- From the beginning of the project

Does it make sense to the intended audience?



What to document?

- What requirements each module supports
- Module dependencies
 - Really important to help ensure that modules are uninstalled if they are no longer needed
- Patches
- Comment in code





Questions





Thank you



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Fresh Thinking!