

BUILDING A SMARTER WEB

# **Conversations with Architects about Drupal** Research, Documentation, and Process

Jeff Traynor, Solutions Architect



**BUILDING A SMARTER WEB** 

# Good Architecture

Conversations with Architects about Drupal





Firmatis: It should stand up robustly and remain in good condition — it should be durable.



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- Utilitas: It should be useful and function well for the people using it

   it should be functional.



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   it should be durable.
- Utilitas: It should be useful and function well for the people using it

   it should be functional.
- **Venustatis**: It should delight people and raise their spirits
  - it should be beautiful.





### Architecture

### Web Development





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### Web Development

• The Craftsman



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- The Craftsman
- The Master Builder

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Why?

Technology

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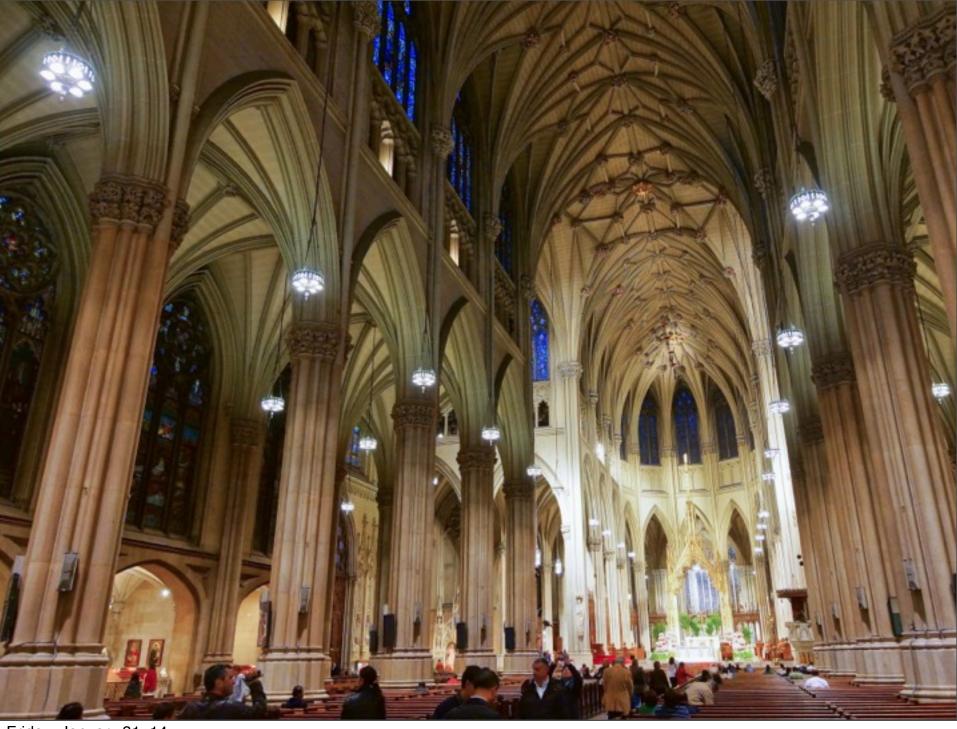
- The Developer
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# The (Obvious) Differences Conversations with Architects about Drupal











Conversations with Architects about Drupal

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## Clarity

 "If you can't explain it to a six year old, you don't understand it yourself" – Albert Einstein

Conversations with Architects about Drupal

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Accountability

- Budgets & Scope creep
- "Being an Advocate for the Owner"

Conversations with Architects about Drupal

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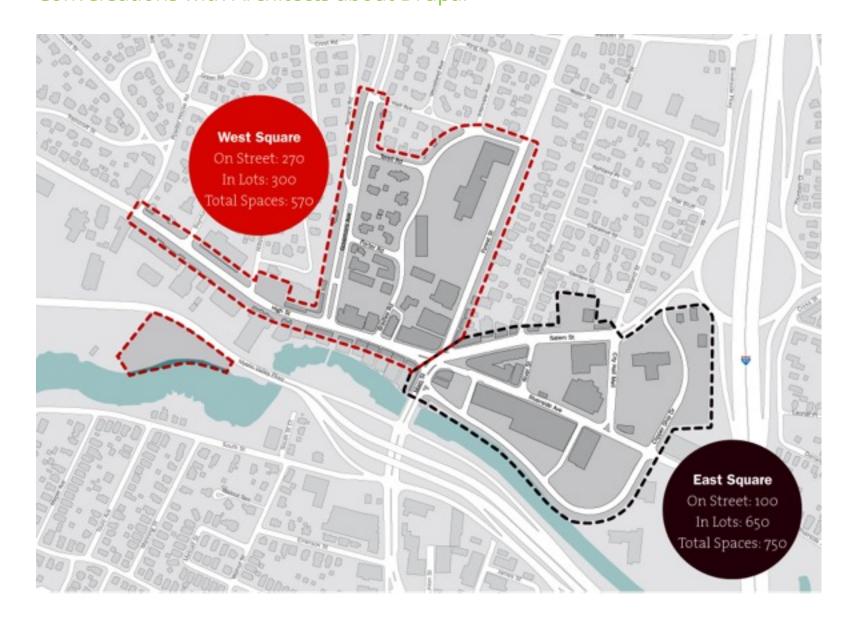
- Budgets & Scope creep
- "Being an Advocate for the Owner"

Collaboration

- A shared understanding
- A tool creative process



## Feasibility Study Conversations with Architects about Drupal



# User Personas

Conversations with Architects about Drupal

#### Stanford ENGINEERING



#### OVERVIEW

Full Name: Hyung Choi Park Age: 26 Status: 2nd year Master's student. Technical Proficiency: Skilled with Google search, more reliant on site navigation, keen on texting and mobile devices Social Media: Follows Stanford on Twitter and

Facebook, actively uses Google+ CHARACTER and PERSONALITY

#### About Hyung

- Looking for an advisor in the School of Mechanical Engineering

- Struggling a little with the English language - Looking for confirmation that he is on the right path - His research interests are such that he feels he may need to create a new field of study when he pursues a Ph.D., but needs an advisor to confirm

- Very cross-disciplinary in his interests - Confused by the many options available to him
- Uses step-by-step directions
- Seeking more guidance and counselling

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#### COALS

#### What experience is he looking for?

 He wants to feel like SoE understands his needs - He wants to improve a process in the SoE that he feels. could be made better for international students. Wants to know if he is a good candidate to pursue a Ph.D. at Stanford, but at the same time worried about the time commitment of a doctorate degree

#### OBJECTIVES

#### What is Hyung trying to achieve?

- He wants to find a prof/advisor researching X
- He wants to watch a lecture by Prof X
- Wants to know when event X is happening.
- Wants direction on how to pay for his studies.
- Wants to know If he can study online for an entire semester so he can go back to his home country for a few months.

#### PAIN POINTS

#### What frustrates him?

- It's difficult to find specific forms that he's required to fil out
- Can't easily find out where to get help from specific
- professors or other resources - Can't easily find event information, especially when on
- a smartphone - Unable to find contact information for professor X
- Finds the website's language unclear sometimes. especially for an ESL student

Persona:

#### Category:

Meet Hyung Choi Park (grad student)

#### Students

#### ACTIONS

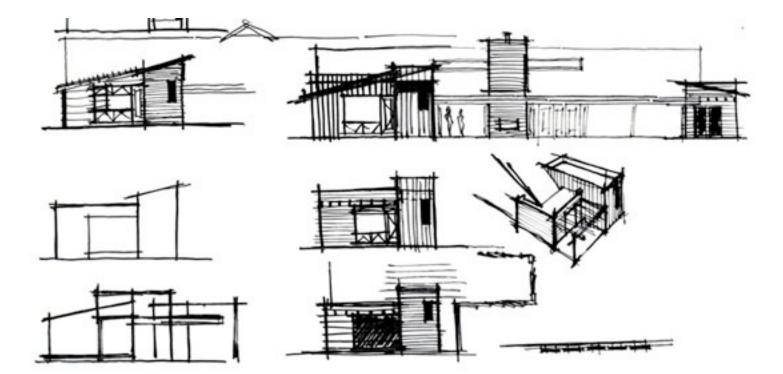
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#### What is Hyung wanting to do on the website?

ACTION	() TABKS
Twent to be able to contact professors to help."	<ul> <li>I want to find prof X's office hours</li> <li>I want to contact prof X</li> <li>Who should I talk to if I have questions?</li> <li>I want to find prof X's office on campus</li> </ul>
Action	() TABKE
I want to discover new events around ampus."	- I want to know what Soll events I can attend - I want to attend it event
O ACTION	() TASKS
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D ACTION	() TASKS
t went to find more resources for ocernational students like myself."	<ul> <li>I want a central location to find information for international students</li> <li>I have a brother who wants to attend Stanford. What are the current orten's he must meet to be admitted as an international undergraduate student?</li> <li>Can I access a jub as a Nestenth Accessor (trop as an enternational student)</li> </ul>

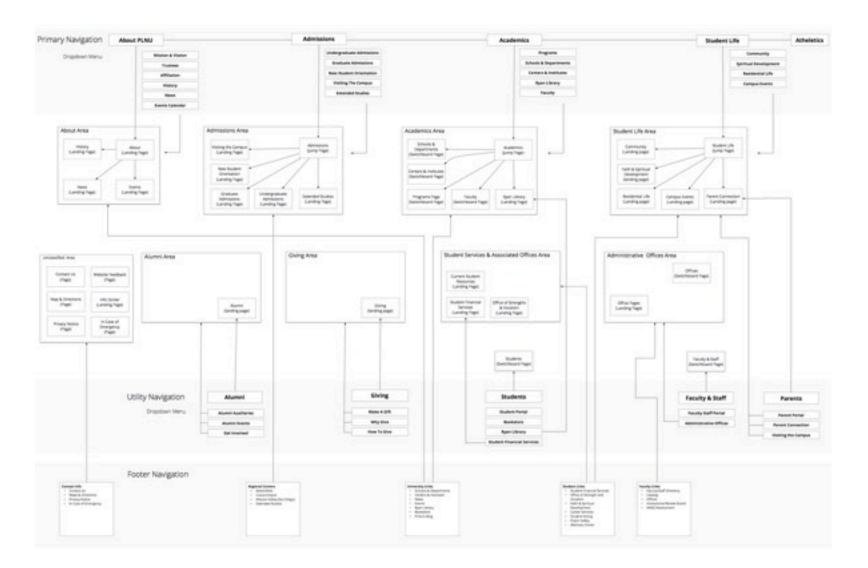
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## Schematic Design Conversations with Architects about Drupal





#### Information Architecture

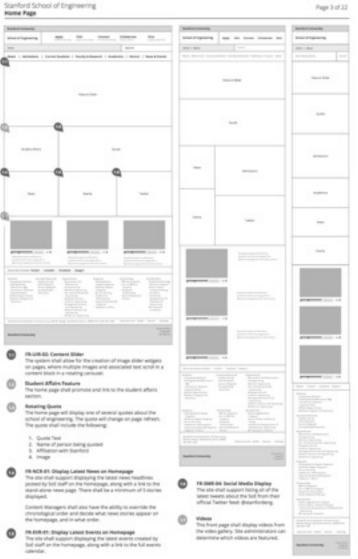


#### Design Development Conversations with Architects about Drupal

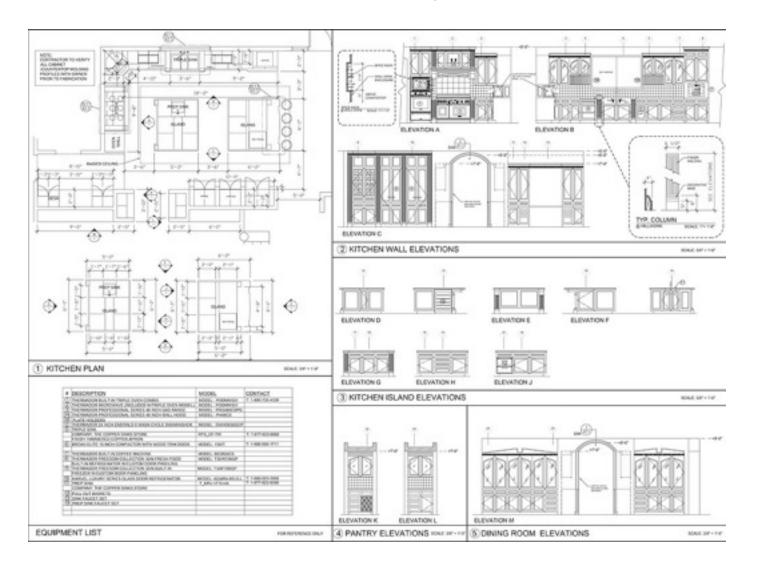


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#### **Construction Documents**



# Design Mockups Conversations with Architects about Drupal



### **Contract Administration**



- Proprietary Specifications
- Performance Specifications

# Technical Design Document Conversations with Architects about Drupal

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"Seek to understand a design problem before chasing after other solutions."

#### "Don't force-fit solutions to old problems onto new problems."

#### "Remove yourself from prideful investment in your project."

#### "Be slow to fall in love with your ideas."

"Make design decisions conditionally, with the understanding that they might not work as you continue towards a solution."

#### "Know when to change and when to stick to previous decisions."

#### "Accept as normal the anxiety that comes from not knowing what to do."

#### "Always ask 'What if...?' regardless of how satisfied you are with your solution"

"Properly gaining control of the design process feels like losing control of the design process."

#### "An improved design process is the most important thing you'll take with you to your next project."



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## **Thank You**

Please get in touch at: <u>www.imagexmedia.com</u>