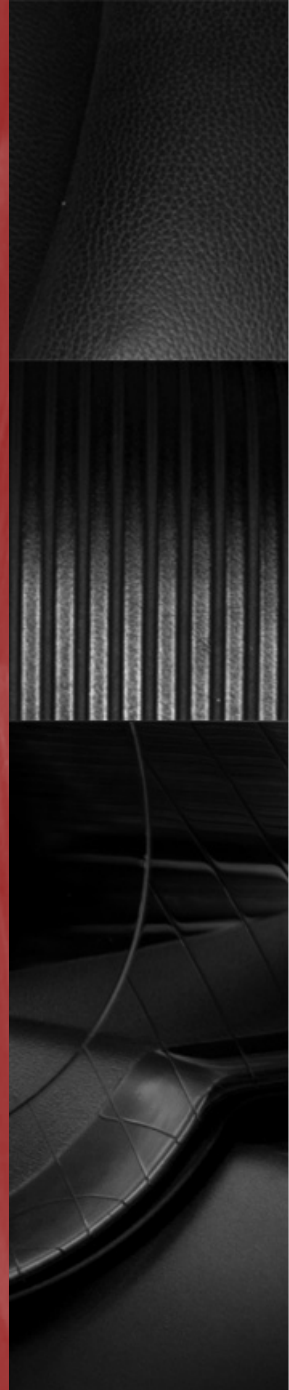# University Library Intranet

Eliot Scott

The University of Texas at Austin

User Research

- Create Questionnaire using both Quantitative and Qualitative, as well as Open Ended questions

- Allow all Staff Members to take Questionnaire

- Compile and Analyze data to discover what is important to staff and how information should be arranged

Discuss Site Parameters

- Present Research Data to All Interested Stakeholders
  - Staff Users
  - Staff Implementers
- Discuss Site Requirements
- Compile Site Requirements
  - Must Haves vs Nice to Have
- Be Sure Parameters are Clear
- Be Sure Everyone has Bought In

Prototype
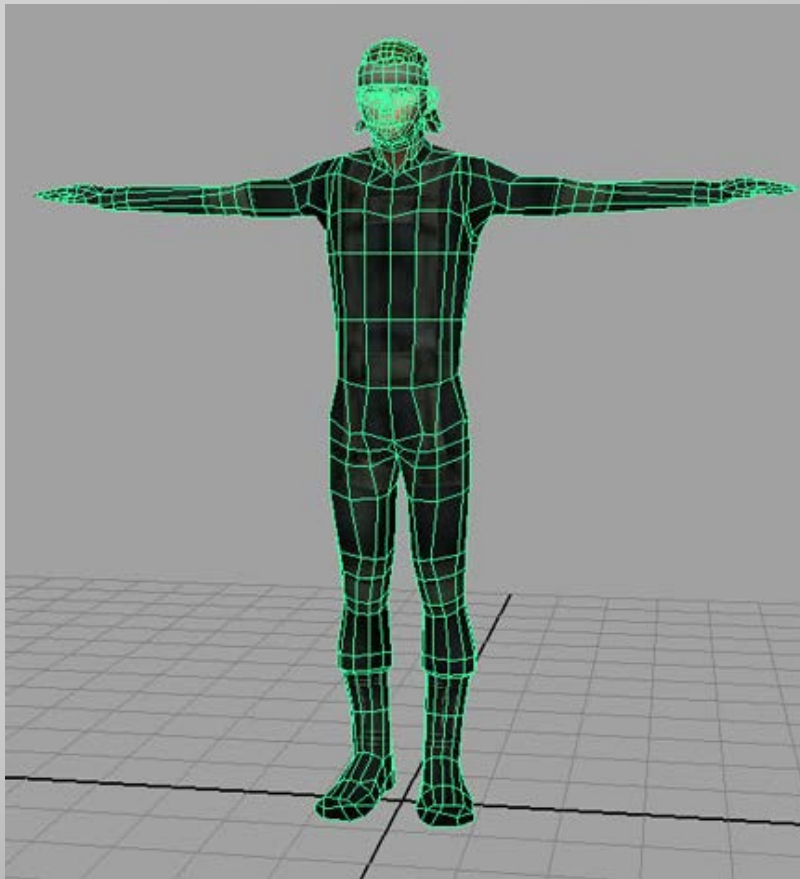
- Get Technical Infrastructure
    - Single Sign On With University ID?
    - Server Capabilities?
    - Additional Services?
- Build Prototype for Time Estimates and Testing
- Reconvene to Discuss
- Make Changes as Appropriate
- Reconvene and Finalize

Project Management

- Gather Appropriate Members and Discuss Schedules

- Time Involved in Development with Key Members

- Reasonable Deadlines

- Create GANNT Chart of Project to Stay on Schedule

- Share project plan with all interested parties
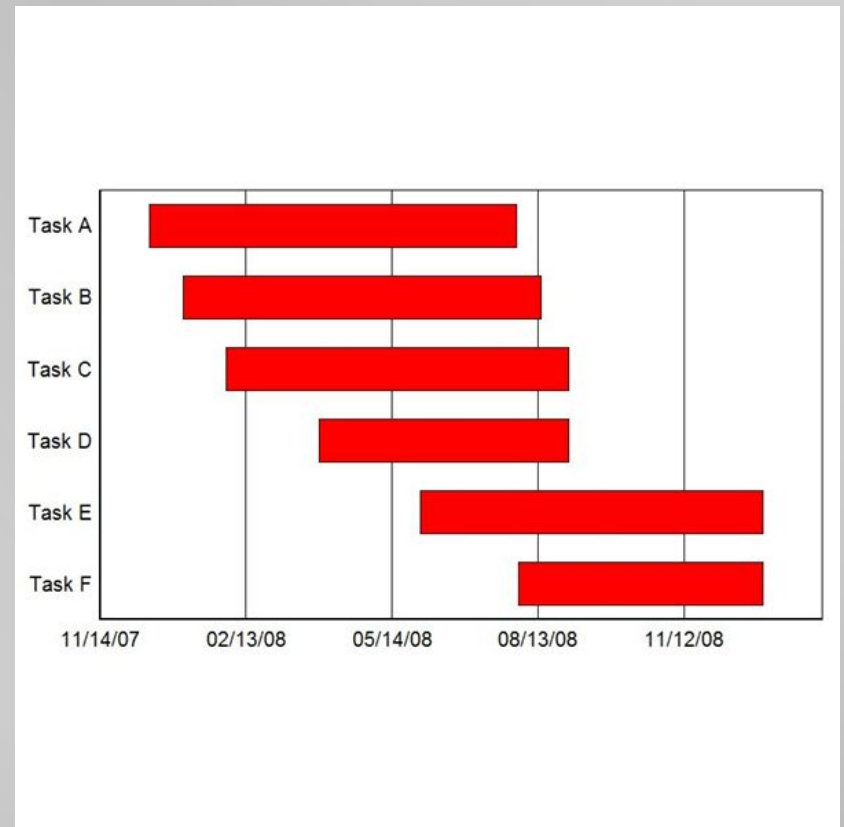
Begin Development - Base Set Up

- **Core Install – 6 or 7?**
    - Does 7 have enough basic functionality?
    - Will 6 be Upgradable?
- **Add Extra Modules**
    - WYSIWYG Editor - TinyMCE, CKEditor
    - Content Construction Kit - CCK (6)
    - Filefield for Documents
    - Taxonomy for organization
    - Views for arranging and combining
    - Rules, Tokens and CSS Injector

Base Set Up – WYSIWYG Editor

- CMS Standard

- No need for HTML

- CKEditor

- TinyMCE

- Generate compliant HTML

- Use Input Formats module to filter certain types of code
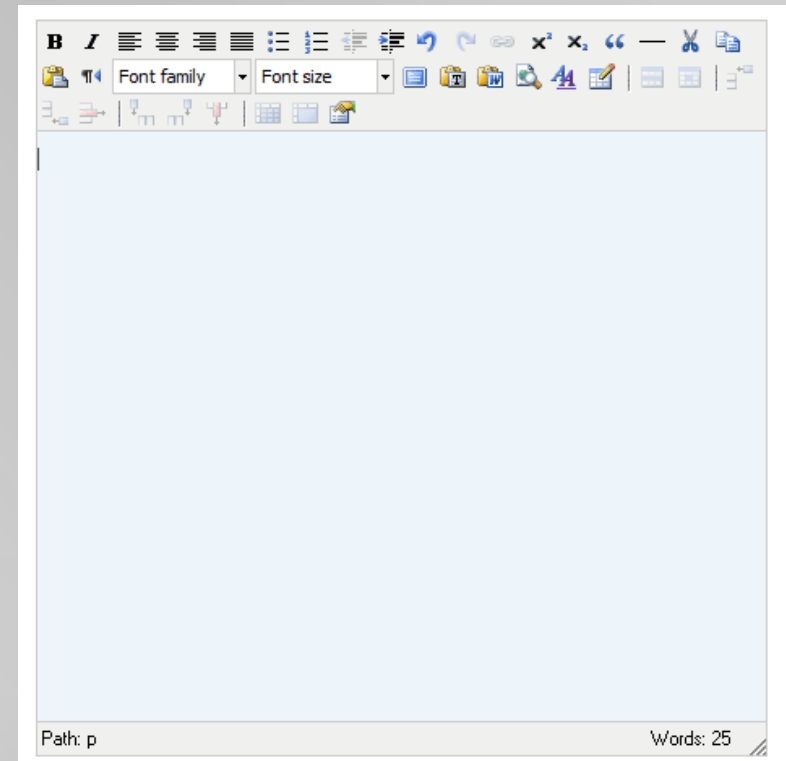
Base Set Up – Taxonomy, Manager
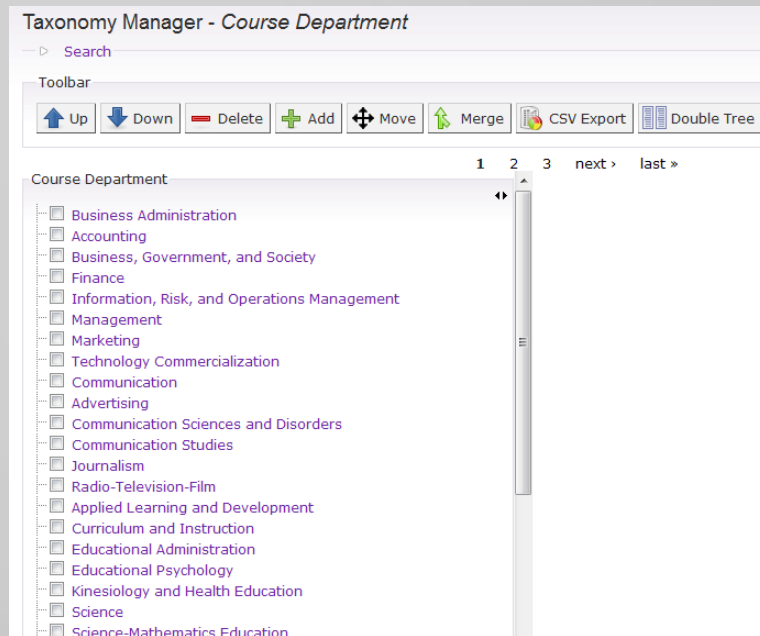
- Content can have Multiple Categories or Vocabularies

- Vocabularies have terms

- Vocabularies can be Controlled or Taggable generating new user terms

- Content is marked by users and categorized or displayed using Blocks or Views

Base Set Up - Views

- **Essential for Dynamic Content**

- **Content Related and Displayed**

- **Relationships**

- **Sorting**

- **Filters**

- **Arguments**

- **Displays**

Base Set Up – Rules

Editing rule Email: GI-Athletics-Approved by Publisher

▷ Rule settings

▽ Rule elements

ON event *Workflow state has changed*

IF

▽ Workflow: Any TO Approved by Publisher/Published

AND

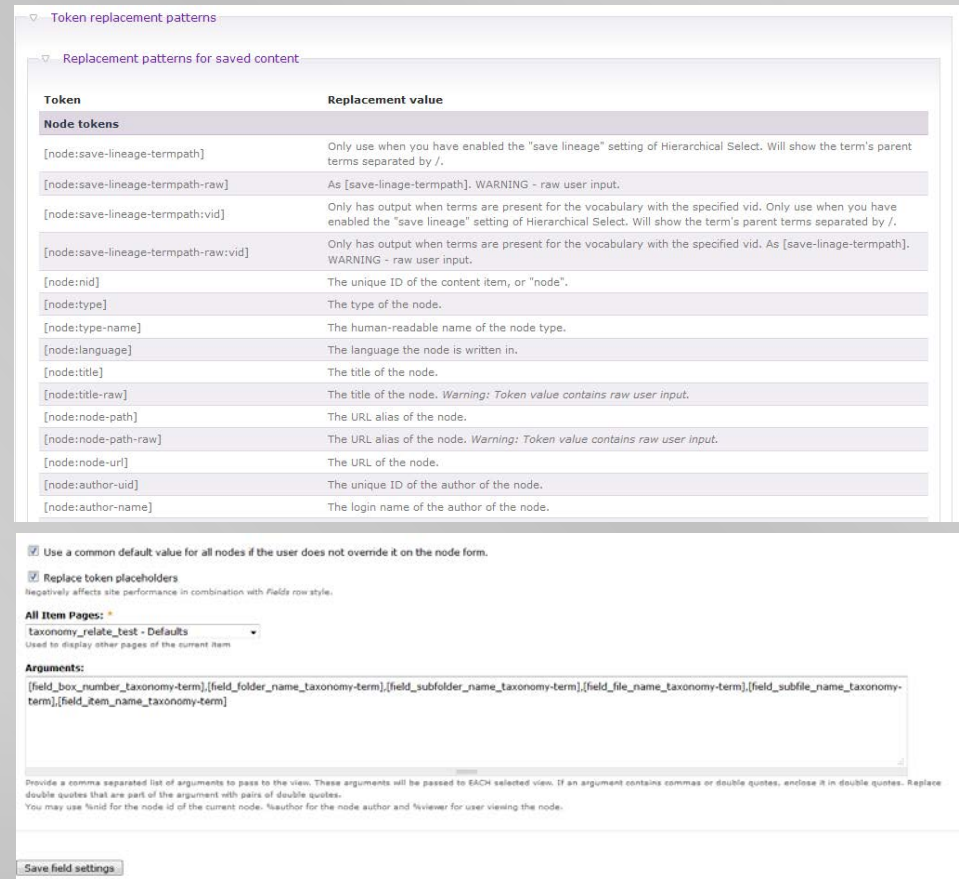▽ 'field_dept_taxonomy' has value Athletics

✚ Add a condition

DO

⚙ Send Email: Athletics-Approved by Publisher

✚ Add an action

- Triggered on a System Event
  - Content Changed
  - User logs in, etc

- Content evaluated based on if/and/or logic and can then be modified in various ways

- Can be used to send email to specified users when content with a certain taxonomy term is updated for example

Base Set Up – Tokens

- Behind the scenes

- Allows content to be passed from one module to another

- Most modules have token support

- Node title token

- Passing taxonomic values to Views to display related content

Must Haves - Staff Login

- LDAP Integration (?)

  - http://drupal.org/project/ldap_integration(V6)

  - http://drupal.org/project/ldap (V7)

- Oauth (?)

  - http://drupal.org/project/oauth

  - http://drupal.org/project/oauthloginprovider

- Open ID (?)

  - http://drupal.org/project/openid_sso_relying

  - http://drupal.org/project/openid_client_ax

- Basic Login with Site Created ID

Must Haves - HTML Migration
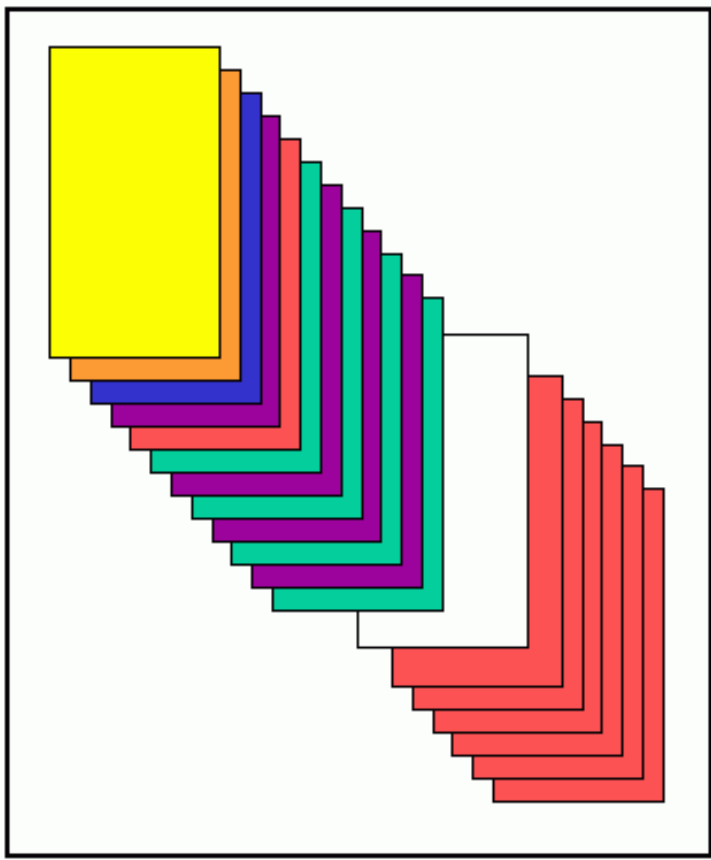
- Import HTML - http://drupal.org/project/import_html
  - Drupal 7 Version still in early development
  - Import to 6 and Updrade

- Migrate - http://drupal.org/project/migrate
  - Better for Conversion from Existing CMS

- Migrate by Hand, Cut and Paste
  - Only 200 pages, may not be worth development time

Must Haves - Calendar

- Calendar - http://drupal.org/project/calendar

- Parish Calendar - http://drupal.org/project/parish_calendar

- Availability Calendars - http://drupal.org/project/availability_calendars

Must Have - Blogs

- Core

- Easy to Implement

- Can Enhance with

  - CCK (Core in 7)

  - Editablefields (Wiki Like) - http://drupal.org/project/editablefields

- Display as News on Home Page

- Utilize taxonomies for categories

Must Haves - RSS and XML

- Turn Blogs (News Articles) into RSS Feeds to keep Users Updated

- Aggregator (Core)

- Views RSS -
  http://drupal.org/project/views_rss

- XML, CSV, DOC Exports -
  http://drupal.org/project/views_data_export

Must Have - Email Alerts

- Triggered Rules

- Send relevant information to appropriate roles

- Custom sign ups for various news and other categories

Roles

- Each department will be a role
  - Reference
  - Web Services
  - Technical, etc.
- Organic Groups - http://drupal.org/project/og
  - facilitate the forming of new groups

Must Have – Document Editing

- Google Docs Integration
  - http://drupal.org/project/gdoc_field

- Document as Content Type
  - Revisioning to Keep Track of Versions
  - Generate PDF's Using Print module

- Spreadsheets
  - http://drupal.org/project/sheetnode
  - http://drupal.org/project/slickgrid

- Other Documents as Files
  - http://drupal.org/project/apture
  - http://drupal.org/project/embeditin

Nice to Have? - Chat

- Chat Room - http://drupal.org/project/chatroom

- Drupal Chat - http://drupal.org/project/drupalchat

- Banckle Live Chat - http://drupal.org/project/banckle_live_chat

Nice To Have? - SMS Messaging and Voice IP

- VOIP Drupal - http://drupal.org/project/voipdrupal
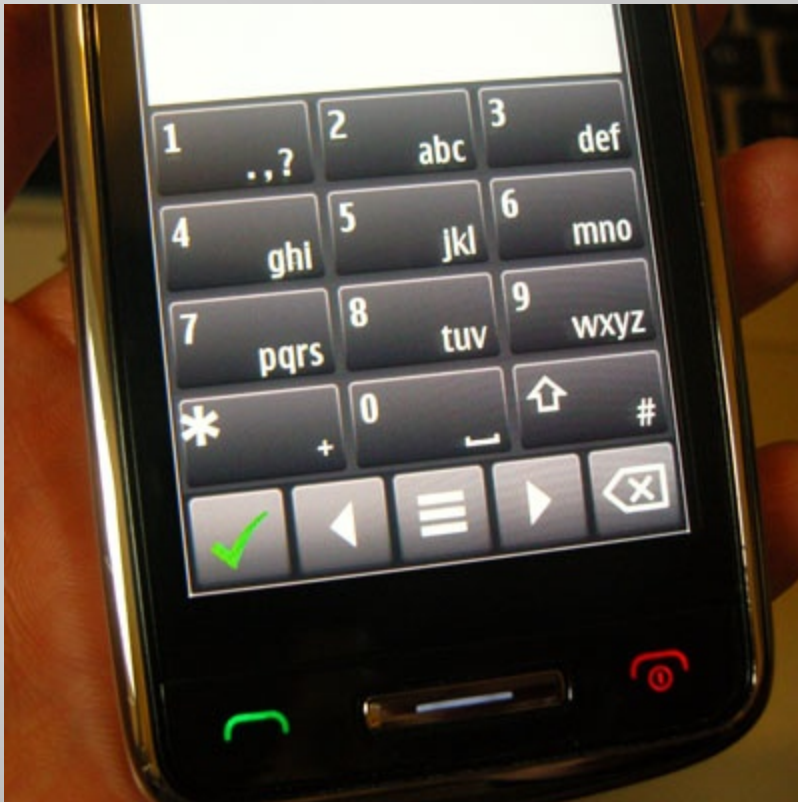
- VOIP Plivo - http://drupal.org/project/voipplivo

Nice to Have? - Mobile

- Drupal Gap - http://drupal.org/project/drupalgap

- Push Notifications - http://drupal.org/project/push_notifications

Alpha and Beta Testing

α β

- Once the site is functional, User testing should begin to iron out bugs
- An Alpha round
- A Beta Round

Final Release

Questions?