

DrupalCamp Australia 2008



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Agileware Justin Freeman (CEO)

An intro to some cool modules:
EditView, Signwriter,
ComputedField, OpenOffice Export

And a funky demo of:
Polygons with Google Maps

About Agileware



AGILEWARE
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- Canberra-based IT company
- Established 2002 (in protest to dot-com bust)
- Team of 5 extraordinary staff
- Primarily develop Web based applications
- Specialise in Drupal applications and FOSS
- Services include: development, integration, support, hosting

About Agileware



- Our clients include:
 - Federal Government
 - Department of Defence
 - SMEs
 - International companies
- Active contributor to the Drupal community
- We deploy and support FOSS

Contributed modules

- Contributed modules are either created for in-house requirement or sponsored project
- Sponsored projects usually have multiple contribution candidates
- We look for unique and generally applicable modules to contribute
- Drupal contributions require maintenance, although most are production-ready

Why we contribute

- To give back to the Drupal community
- To improve the code
- To learn and gain experience
- To free the code
- To be a good citizen



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Contributions require maintenance



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- Drop'n dash contributions = bad karma
- Therefore, we try to respond to issues, incorporate patches and roll-out new features
- This comes down to prioritising Community above paid-services, allocating resources & time
- An imperfect juggling act
- Modules not maintained will be claimed by others (lesson learnt)

Module: Signwriter

<http://drupal.org/project/signwriter>



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•Use Case:

- Dynamically create graphics using true type fonts and text from page
- No more Photoshop'ing
- Signwriter created to solve problem of great graphic design (poor web design)
- Module used on most Agileware websites

Module: Signwriter

<http://drupal.org/project/signwriter>



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- Dynamically replace any text element on a page with a nicely rendered image with alt text
- Can set font (ttf), font colour, size, background colour, transparency, background image (can write on images)
- Use Signwriter to create an **Input Filter** and **Regex** replacement, or
- Insert Signwriter code directly into your **tpl** files

Module: Signwriter

<http://drupal.org/project/signwriter>



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- Stable, good feature set and easy to use
- Drupal 4.7, Drupal 5 and Drupal 6
- Recently underwent major refactor by **eMPee584** (node/316295), thanks mate!
- Now D6 version allows replace page/block titles, font/style preview, coder style, unicode handling and more

Module: Signwriter

<http://drupal.org/project/signwriter>



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- **Example 1:** Replacing the page title in your theme
- Create a signwriter profile in drupal called 'Theme Heading', and assign the other settings to your liking.
- Add the following code to your page.tpl.php where you want to print the page title.



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```
<?php
  if ($title != '') {
    $profile =
signwriter_load_profile('Theme Heading');
    // $profile->fontsize = 43; //
  override the font size

    print
signwriter_title_convert($title,
$profile);
  }
?>
```

Module: Signwriter

<http://drupal.org/project/signwriter>



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- **Example 2: Using Signwriter without a profile**
- Add your custom font to your theme directory. In this example we'll use Arial.ttf.
- Add the following code to your page.tpl.php.

```
<?php
```

```
    if ($title != '') {
```

```
        $profile->fontfile = 'Arial';
```

```
        $profile->fontsize = 15;
```

```
        $profile->foreground = 'ff0000'; // red
```

```
        $profile->background = 'ffffff'; //
```

white. If your text is jagged then change this to your page background colour

```
        $profile->maxwidth = 600;
```

```
        $profile->transparent = true;
```

```
        print signwriter_title_convert($title,  
$profile);
```

```
    }
```



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Module: Signwriter

<http://drupal.org/project/signwriter>

- Demo



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Module: Open Office Exporter



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•Use Case:

- Perform Mail Merge feature using Open Office and Drupal
- Converts Drupal data into Open Office text
- Used by Agileware to generate quotes, invoices, contracts and other documentation
- Fast, platform independent, no Open Office required server-side

Module: Open Office Exporter



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- Requires CCK module
- Drupal 5 only currently, Drupal 6 RSN. Maybe MS OpenXML in future too
- Setup
 - Add Open Office CCK field to node type
 - Insert code to export Drupal data
 - Open Office doc must have matching fields

Module: Open Office Exporter



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- **Demo**

Module: EditView

<http://drupal.org/project/editview>



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•Use Case:

- How to add, update, delete records based data quickly
- Customer wants MS Excel like functionality on website
- Sponsored project for completing complex survey
- Perform CRUD ops on Nodes and uploads, images, dates (JSCalendar), Events

Module: EditView

<http://drupal.org/project/editview>



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- Drupal Views plugin adds new Views type
- Turns any Views node data into editable rows
- Can be used in one-to-many relationships
- Obeys required field rules
- Easy to setup and to use
- Drupal 5 only, no Drupal 6 yet. Not compatible with Views 2 (rc++)

Module: EditView

<http://drupal.org/project/editview>

- Demo



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Module: ComputedField

http://drupal.org/project/computed_field



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- **Use Case:** Need to calculate field value based on other CCK fields or some other factor
- CCK field type that allows insertion of PHP code to evaluate a field value (or do anything!)
- Concept is based on Lotus Notes, Computed field type (don't laugh!)
- No longer need custom mini/generic modules to alter the node data. ComputedField solves this

Module: ComputedField

http://drupal.org/project/computed_field



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- Code is part of the node type CCK fields
- Easy to manage, can be exported/imported
- Hard to debug
- Assumes you know what you are doing, it's just PHP code with no helpers
- Can use to either: Store calculated value in Drupal, or only display calculated value (not stored) Views

Module: ComputedField

http://drupal.org/project/computed_field



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•Example ComputedField:

```
$node_field[0]['value'] = $node->field_product_price[0]['value'] +  
$node->field_postage_price[0]  
['value'];
```

•Lots of code examples at

<http://drupal.org/node/149228>

Module: ComputedField

http://drupal.org/project/computed_field



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- **Demo**

Polygons with Google Maps



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•Use Case:

- Define multiple regions of interest on a Google Map
 - Users can click on region for more information (from related nodes or taxonomy)
 - Each region defined by arbitrary points creating a polygon
- Sponsored project to map regions on Google

Polygons with Google Maps



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- Patches to Gmaps and Location modules
- Uses the existing Gmap view type
- Adds feature to select marker or polygon for the Google Map
- Ability to assign multiple points on a single map, instead of the default multiple maps, single point.
- Works with current Gmap and Location modules

Polygons with Google Maps



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- **Demo**

Thanks for listening



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Drupal coders and themers

YES, WE ARE FOR HIRE

HELP WANTED

Looking for support to convert EditView to D6 &
Views 2