WormBase Reimplementation

Part II: Configuration

13 February 2008

Configuration

Very flexible

✓ site-wide

✓ per-page (view level)

✓ per-class (model level)

Formats

POP

```
antibody => {
        widget_order => [qw/identification expression_patterns references/],
         widgets      => { identification => [
                               qw/name common_name other_name summary/]
```

YAML

```
pages :
   gene :
      widget_order :
          - [ identification, location, expression,
function, gene_ontology, genetics, homology,
references, similarities ]
        widgets :
           identification :
               - [ description, ncbi_kogs, species,
other_sequences, ncbi, gene_models, cloned_by ]
```

Apache

```
<pages>
    <antibody>
```

Sample Configuration

```
pages :

  gene :

    widget_order :

        - [ identification, references ]

    widgets :

        identification :

            - [ description, ncbi_kogs, species ]
```

Why?

free stuff:

actions

model methods

template selection

view formatting

Each **page** is an action

```
pages :

    gene :

        widget_order :

            - [ identification, references ]




WormBase::Controller::Gene;

sub gene { AceDB->fetch(Gene => @_ }

eg: /gene/*/
```

Each **widget** is an action

```
pages :

    gene :

        widgets :

                identification :

                    - [ description, ncbi_kogs, species ]

WormBase::Controller::Gene;

sub identification( );
```

eg: /gene/*/identification

Each **field** is an action

```
pages :

    gene :

      widgets :

             identification :

                  - [ description, ncbi_kogs, species ]

WormBase::Controller::Gene;

sub species( );
```

eg: /gene/*/species

Config and models align

```
pages :

    gene :

       widgets :

             identification :

                  - [ description, ncbi_kogs, species ]

WormBase::Model::Gene;

sub description(

    my ($self,$gene) = @_;

    return $object->Description;

);
```

Config maps to views...

```
pages :

    gene :

        widgets :

                identification :

                        - [ description, ncbi_kogs, species ]

--

description.tt2

[% description %]
```

Future Calls

- ☑ I. Introduction
- ☑ II. Documentation and configuration
- ☐ III. Anatomy of a model
- ☐ IV. Controllers: dynamic actions, root actions
- ☐ V. Views: design decisions, flexibility