phoghorn egg

A thumbnail gallery library for spiffy
Extension for Chicken Scheme
Version 1.2

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1 About this egg

1.1 Version history

`1.2`   Update to latest versions of epeg and imlib2.

`1.1.1`   Changed .setup script to reflect new distribution of syntax-case.

`1.1`   Fix small bug (a let statement was closed a little too early.

`1.0`   initial release.

1.2 Requirements

This egg requires the following extensions:

`spiffy`, `spiffy-utils`, `syntax-case`, `imlib2`, `epeg`, `generalised-case`

2 Documentation

Phoghorn is a web-based image gallery with built-in automatic thumbnail generator for spiffy the webserver.

Its features are:

- Easy to use (just drop a bunch of files in a directory underneath the designated photos dir)
- Configurable
- Does not require a database
- Uses CSS for markup, so its look is easily changed
- Leverages imlib2 for maximum image file type support and epeg for extra-speedy JPEG handling.

2.1 Use

By default, phoghorn assumes there is a directory called `galleries` in the directory from which you call its functions (ie, the same directory in which you placed `index.ssp`). It will create thumbnails on-the-fly when there aren't any yet, and only for those pictures on the page that is currently being viewed. By default, these will be placed in the `thumbs` directory under the gallery's directory.

In the main page (save this as `index.ssp`):

```
<?scheme (use phoghorn) ?>
<html>
<head>
<title>Phoghorn example</title>
</head>
<body>
<?scheme
(parameterize ((ph:movie-image "/pics/movie.jpg")) ; Default is #f
  (ph:show-gallery))
?>
</body>
</html>
```

In the zoomed-in page (save this as `zoomed.ssp`):

```
<?scheme (use phoghorn) ?>
<html>
<head>
<!-- The current photo's filename is the title -->
<title><? (ph:get-entry) ?></title>
</head>
<body>
<?scheme
(parameterize ((ph:movie-image "/pics/movie.jpg")) ; Default is #f
  (ph:show-zoomed-entry))
?>
```

```
</body>
</html>
```

Note that currently there's no support for calling phoghorn from SXML pages. This is an important shortcoming and the intention is to rewrite the output functions to SXML for the next release.

2.2 Configuration

Phoghorn can be customised to the max. The following SRFI parameters are supported:

2.2.1 Directory and file settings

`ph:gallery-dir`   [parameter]

>   (ph:gallery-dir) [default: "galleries"]

> The directory under which the galleries can be found, relative to the index page.

`ph:index-page`   [parameter]

>   (ph:index-page) [default: "index.ssp"]

> The main webpage serving the Phoghorn script. This shows the image thumbnails.

`ph:zoomed-page`   [parameter]

>   (ph:zoomed-page) [default: "zoomed.ssp"]

> The webpage that serves the zoomed-in views on images.

`ph:thumb-dir`   [parameter]

>   (ph:thumb-dir) [default: "thumbs"]

> The name of the directory under which thumnail versions of the images in the parent directory are stored.

2.2.2 Thumbnail generation

`ph:thumb-max-width/height`   [parameter]

>   (ph:thumb-max-width/height) [default: 100]

> Maximum width *or* height of a thumbnail.The smaller of the two will get scaled by the same factor as the larger, which will be shrunk into this size. In other words, it maintains the aspect ratio of the original picture in the thumb.

2.2.3 Presentational options

`ph:entries/page`   [parameter]

>   (ph:entries/page) [default: 25]

> The number of pictures to display on one page.

`ph:table-width`   [parameter]

>   (ph:table-width) [default: 5]

> The number of images horizontally (to be deprecated).

ph:prev-page-text   [parameter]
          (ph:prev-page-text) [default: "prev"]
     The text on the link to the previous page.

ph:next-page-text   [parameter]
          (ph:next-page-text) [default: "next"]
     The text on the link to the next page.

ph:up-link-text   [parameter]
          (ph:up-link-text) [default: "up"]
     The text on the link to a higher directory.

ph:prev-entry-text   [parameter]
          (ph:prev-entry-text) [default: "prev"]
     The text on the link to the previous image in zoomed view.

ph:next-entry-text   [parameter]
          (ph:next-entry-text) [default: "next"]
     The text on the link to the next image in zoomed view.

ph:unzoom-link-text   [parameter]
          (ph:unzoom-link-text) [default: "back"]
     The text on the link to the gallery view (displayed inzoomed view).

ph:movie-image   [parameter]
          (ph:movie-image) [default: #f]
     The image file to display when a movie is in the gallery. This image will also be
     displayed in the zoomed view, as a link to the actual video clip.

ph:root-gallery-name   [parameter]
          (ph:root-gallery-name) [default: "Gallery list"]
     The title of the topmost gallery. All subgalleries have a title that is equal to the
     directory name.

2.3 Output document structure

The output can most easily be looked at in the source view of your favorite browser, but
to style it with CSS it is handy to have a reference. There is an example CSS file in the
examples section.

2.3.1 Global

All phoghorn output is wrapped in a `div` element of class `phoghorn`. It also has class
`gallery` when in thumbnail view, and class `zoomed` in zoomed view.

2.3.2 The zoomed view

Links above and below the image are inside a `div` of class `navigation`. The image itself is
inside a `div` of class `entry`.

2.3.3 The gallery/thumbnail view

The list of subgalleries, if present, is inside a `div` of class `gallerytree`. The list itself is an `ul`. The list item of the link to the parent gallery, if present, has class `uplink`.

Below the subgalleries list (and repeated again below the gallery) is a `div` of class navigation. This navigation has the links to the other pages. The current page number is not a link, but a `span` of class `curpage`.

The gallery itself is inside a `table`, containing the thumbnails.

3 Examples

```
/*
 * All stuff Phoghorn outputs is centered, and in a sans-serif font of a
 *  decent size.  Any stuff above or below the Phoghorn output is separately
 *  on a new line.
 */
div.phoghorn {
        text-align: center;
        font-family: arial, tahoma, verdana, helvetica;
        font-size: 12px;
        clear: both;
}


/* A blue background for the thumbnails */
div.phoghorn table {
        background-color: #6688bb;
}


/* Current page in thumbnail view shown in red */
div.phoghorn .curpage {
        color: red;
}


/* We show the gallery tree in a table-like fashion */
div.phoghorn .gallerytree {
        display: block;
        text-align: center;
        width: 100%;
}


div.phoghorn .gallerytree li {
        /* background-color: #cc0000; */
        display: block;                   /* Remove leading list-bullets */
        width: 200px;                     /* Link text is left-aligned inside */
        text-align: left;                 /*   the 200 pixels-wide 'li' element */
        float: left;                      /* Don't make them start a new line */
        padding-bottom: 10px;             /* Leave room between them vertically */
}


div.phoghorn .gallerytree li.uplink {
        width: 100%;                      /* The uplink is on its own line */
        text-align: center;          /* Centered */
}


/* Start the table on its own line, not to the right of the navigation */
div.phoghorn table {
```

```
        clear: left;
}
```

4 License

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