

Fluid Layout Reorderer Showcase

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Fluid

Designing software that works – for everyone.

Fluid is an open-source software community

Fluid builds user interfaces, designs commonly used interactions, teaches others how to build good user-centred designs, and works with other software projects to integrate our solutions into their applications.

Our products are created by an international team of partners and partner institutions whose main principles are to design user-centred components built for flexibility and customization, and made to be thoroughly accessible.

Fluid News



Fluid-uPortal Collaboration 2.0

Mar 02, 2009 by Laurel Williams

The Fluid and uPortal communities have both benefited from nearly two years of successful collaboration on user experience issues. Fluid technologies, such as the Skinning System and the Reorderer, have been integrated into uPortal 3.1, and we've got lots more code and resources to share over the next few months. [more>](#)

Design Handbook



Demos



Infusion Documentation



Downloads





Fluid Components

- Downloads and Demos
- Components
- User Manual
- Daily builds

Community

- Get Involved
- Meetings
- Collaborate
- User Experience
- Development
- Project Coordination

Other Fluid Projects

- Design Handbook
- Design Patterns
- OpenVULab

More Information

- What is Fluid?
- Showcase of Recent Work

Page Operations

Browse Space

Fluid Layout Reorderer

Added by [Anastasia Cheatham](#), last edited by [Eli Cochran](#) on Feb 23, 2009 ([view change](#))
 Labels: [development](#), [layout customizer](#), [reorderer](#), [release](#), [manual](#), [released](#), [component](#)

The screenshot displays several overlapping portlets in a Fluid environment. The 'Permissions Manager' portlet shows a list of groups with checkboxes. The 'Identity Swapper Portlet' has search fields for user attributes. The 'Password Management' portlet lists users with their roles. The 'Attribute Swapper Portlet' contains a table for user attributes.

Attribute	Original Value	Current Value
Display Name	Admin User	Admin User
E-Mail	admin.user@jasig.org	admin.user@jasig.org
User Name (user.login.id)	admin	admin
Last Name	User	User
First Name	Admin	Admin
User Name (username)	admin	admin

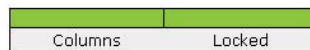
Layout Reorderer

The Layout Reorderer provides drag and drop customization of modules in a portal environment.

Features

- Quickly wire up "draggable" elements and "droppable" targets with a simple script.
- Configurable options allow for "locked" content, specifying drag handles, and injecting custom CSS classes.

Layout Reorderer - Progress Indicator



- 1) Reorder Elements Across Columns
- 2) Locked Portlets

Legend

Stable In Development In Design Future

*Based on the [latest current release](#)

Design

- [Layout Reorderer Design Overview](#)
- [Layout Reorderer Specification](#)
- [Layout Reorderer User Testing](#)
- [Layout Reorderer Design Pattern](#)

Integration

- [Layout Reorderer API](#)
- [Layout Reorderer Tutorial](#)
- [Sorting Portlets or other content modules](#)

Demos

Last stable release (v0.8)



- [Layout Reorderer Functional example](#)
- [Layout Reorderer uPortal example](#)

Nightly build

- [Layout Reorderer Functional example](#)
- [Layout Reorderer uPortal example](#)

What is a “reorderer”?

The image displays a 2x3 grid of image thumbnails, each with a caption below it. A central grey box highlights the 'approaching wall street.jpg' image, which is also present in the top-left and bottom-middle positions. A vertical red line is on the right side.

 approaching wall street.jpg	 approaching wall street.jpg	 wall street.jpg
 lower manhattan.jpg	 manhattan sunday.jpg	 woolwich bldg.jpg

What is a “reorderer”?

Example 1. Semi-sortable List

This list only has a few sortable items

1. I'm sortable
2. I'm sortable
3. Not sortable
4. Not sortable
5. I'm sortable
6. I'm sortable
7. Not sortable
8. I'm sortable

What is a “reorderer”?

The screenshot displays a web application interface with several management portlets:

- Permissions Manager:** A portlet with a title bar and a search icon. It contains a "Select Owners" section with a "Cancel" button. Below this are two buttons: "Select All" and "Deselect All". A list of items with checkboxes is shown:
 - Groups Manager
 - uPortal Channel Subscription
 - CError Channel
 - uPortal Channel Publication
 - Account ManagerAt the bottom are "Submit" and "Reset Form" buttons.
- Identity Swapper Portlet:** A portlet with a title bar and a search icon. It contains a "Search for Users:" section with four input fields labeled "E-Mail", "Last Name", "First Name", and "User Name (username)". Below the fields are "Search" and "New Search" buttons.
- Password Management:** A portlet with a title bar and a search icon. It contains a list of users with their roles:
 - admin - User, Admin
 - demo - User, Demo
 - developer - User, Developer (inactive)
 - ent-lo - Layout Owner, Entertainment
 - faculty - User, Faculty
 - fragmentTemplate - Template, Fragment
 - guest-lo - Layout Owner, Guest
 - news-lo - Layout Owner, News
 - staff - User, Staff
 - student - User, StudentAt the bottom are "Fetch", "Search", and "Cancel" buttons.
- Attribute Swapper Portlet:** A portlet with a title bar and a search icon. It contains a "Lookup Person" section with a table showing user attributes and their values. Below the table are "Update Attributes" and "Reset Attributes" buttons.

The "Attribute Swapper Portlet" table is as follows:

Attribute	Original Value	Current Value
Display Name	Admin User	Admin User
E-Mail	admin.user@jasig.org	admin.user@jasig.org
User Name (user.login.id)	admin	admin
Last Name	User	User
First Name	Admin	Admin
User Name (username)	admin	admin



Design

Moving Layout Reorderer through the Fluid component design process.

Fluid Design Process

1. Scope
2. Users
3. User Needs
4. Design
5. Evaluation
6. Implementation

Fluid Design Process - Scope

1. Review pain points
2. Review user activities and use cases
3. Create problem statement
4. Create high level design goals
5. Scope show & tell

User Preferences

Options for modifying Preferences:

Navigate to a tab, or select an element on the current tab by clicking one of the grey buttons below. For example, click one of the **Add Channel** buttons to add a new channel in that location.



- ▶ Choose a skin
- ▶ Revert to default layout
- ▶ Select a Locale

Welcome

Admin Tools

Development

Testing

Gary's Tab

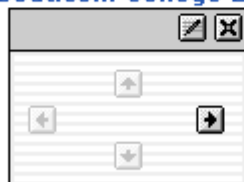
Add New Tab

Add Column

Select Column

Add Channel

About.com College Life



Add Channel

Add Column

Select Column

Add Channel

Calendar



Add Channel

Add Column

Fluid Design Process – Users

1. Review personas
2. Identify primary and secondary personas
3. Create persona deliverables
4. Personas show & tell

Fluid Design Process – User Needs

1. Identify likely contexts of use
2. Create list of potential scenarios
3. Identify primary and secondary scenarios
4. Flesh out primary and secondary scenarios
5. Identify use cases abstracted from contexts of use and scenarios

Create list of functional requirements

User needs show & tell



Fluid Design Process – Design

1. Benchmarking
2. Create storyboards
3. Identify existing and new design patterns
4. Create wireframes and/or mockups
5. Create new design patterns
6. Design show & tell

Fluid Design Process – Evaluation

1. Create testing protocols
 2. Mouse interaction user testing
 3. Keyboard interaction user testing
 4. Screen reader interaction user testing
 5. Analyze user testing and create lightweight report
- Iterate design based on user testing results
- Evaluation show & tell

Fluid Design Process – Implementation

1. Create lightweight functional specification
2. Implementation show & tell



Integration

Integrating the Layout Reorderer into uPortal 3.

Portal Layout

portalPageBodyColumns

.portlet-page-column-inner

.portlet-toolbar

.portlet-container
.locked

.portlet-toolbar

.portlet-container

.portlet-page-column-inner

.portlet-toolbar

.portlet-container

.portlet-toolbar

.portlet-container

Initializing the Reorderer

```
var options = {
  selectors: {
    columns: ".portal-page-column-inner",
    modules: ".portlet-container",
    lockedModules: ".locked",
    dropWarning: $("#portalDropWarning"),
    grabHandle: "[id*=toolbar_]"
  },
  listeners: {
    afterMove: movePortlet
  },
  styles: {
    mouseDrag: "orderable-dragging-mouse"
  }
};
settings.myReorderer = up.fluid.reorderLayout
("#portalPageBodyColumns", options);

settings.myReorderer.refresh();
```



Refactoring

Getting it right.



Configuration

Some common ways to configure the Layout Reorderer.



uPortal 3.1

Layout Reorderer is drag and drop in 3.1.