

# Development

## Fluid Development

### Component Development

- [How to Create a Fluid Component](#)
- [Functional Examples](#) — clean samples of Fluid components for integration with your projects [work in progress]
- [Image Reorderer](#)
- [Navigation Tabs](#)
- [Auto Complete](#)

### Framework Development

— forward-looking or foundational issues of interest to those working on the framework

- [Criteria for Selecting a DHTML Toolkit](#)
- [Transformable 2.0 Roadmap](#)
- [Fluid Renderer - Background](#)
- [Fluid Loader](#)
- [Architecture Sketches](#)
- [Notes on the ChangeApplier](#)
- [The Geometric Manager](#)
- [IoC Speculations](#)
- [Notes on Model Transformation Semantics](#) (improvements from 1.5 -> 2.0)
- [New Notes on the ChangeApplier](#) (modelRelay system 1.5 -> 2.0)
- [New New Notes on the ChangeApplier](#) (hypermodern notes 25/1/15 on variant application models, vertical transaction demarcation, etc)
- [Notes on "Expressionism" in Model Relay](#) (also about 1.5 -> 2.0 relay system)
- [On TIME and BEING](#) (notes on "Why Grades are not Types")
- [If What We Made Were Real](#) (characterising what Software is, and how we will know it when we see it)
- [Notes on Kettle](#) (from Community Meeting held on 16/7/14)
- [Notes on valueMapper Requirements](#) (from discussion with Cindy about Metadata Editing component 22/7/14)
- [Notes on Modularisation of Infusion](#) (particularly with [bower](#), from discussion with Justin and Colin 31/7/14)
- [Notes on the Infusion Module Loader](#) (and build tools based on grunt and npm)
- [Common Problems and Solutions with the IoC Testing Framework](#)
- [Stylus and How to Use It in Infusion](#)
- [What is Infusion](#) (notes from Community Meeting held on 8/7/15)
- [The State of Options Merging 25-4-16](#) (notes written 25/4/16 preparing for framework rewrite later in the year)
- [Bestiary of Reuse Failures](#) (a growing collection of disastrous failures of reuse resulting from traditional development techniques)
- [Plan to Abolish Invokers and Events](#) (notes 17/11/2016 for improved authorial idiom and unification of framework features)
- [Motivation and Explanation for New IoC Testing Framework Feature sequenceGrade \(FLUID-5903](#) - notes written 5/12/16 at GPII F2F at DC)
- [Post Infusion 2.0 Review Meeting Notes](#) (notes 21/12/2016 on community meeting discussing post Infusion 2.0 roadmap)

### The Preferences Framework

- [Integrating with the GPII Preferences Server](#) (minutes of meeting held on 15/1/16)
- [GPII Preferences Edge Proxy Refinement I](#) (minutes of meeting held on 18/1/16)

### Development Resources

- [Source Code](#)
- [Fluid issue tracker](#)
- [Fluid daily build site](#)
- [DHTML Developer Checklist](#)
- [Writing JavaScript Unit Tests](#)
- [Interesting Tech Blog Posts](#)
- [Subversion Tips and Tricks](#)
- [GIT Tips and Tricks](#)
- [Github Tips and Tricks](#)
- [HTML tips and tricks](#)

### Development Governance

- [Voting](#)
- [Process for Granting Commit Access](#)
- [Fluid Maintainers](#)
- [Coding and Commit Standards](#)
- [Contributing Code](#)

## Tests

- [Tabindex Focus Navigation Tests](#) - Describes an html document that tests browsers' TAB key navigation using various tabindex values.

## Participating Project Architectures

### uPortal

- [Portal Technical Documentation](#)