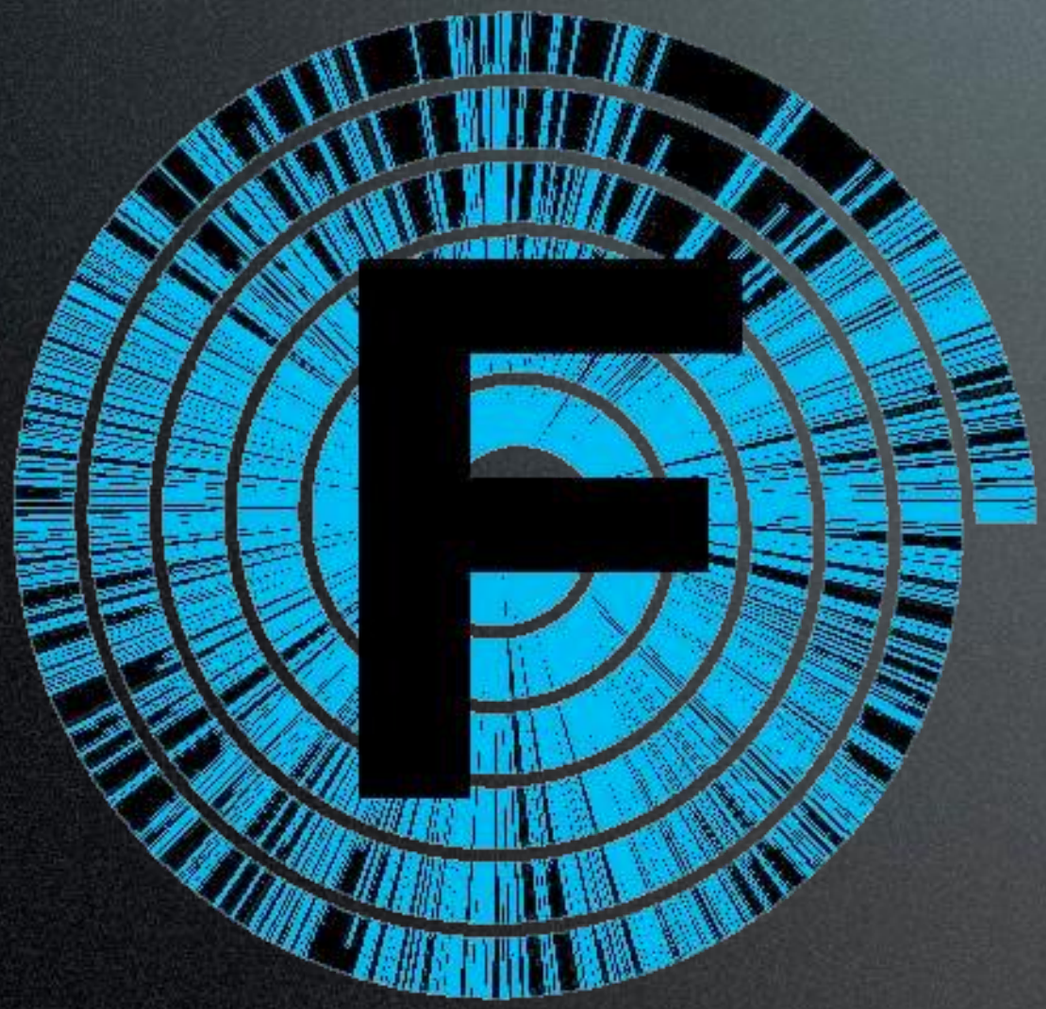


Fluency

James Bennett

Project Manager,
Computer Science MS

Zachary Zimmerman

HCId MS

Michael Zlatkovsky

Computer Science PHd

The Problem

- Users normally have no way of defining interaction themselves
- Software development is a very slow process

Fluency

- UI Designer for non-programmers
  - Designers
  - Users
- Aims to:

Cost

Speed

Creating Functionality

- To Create Functionality the user must:
  - Select Widgets
  - Wire Widgets

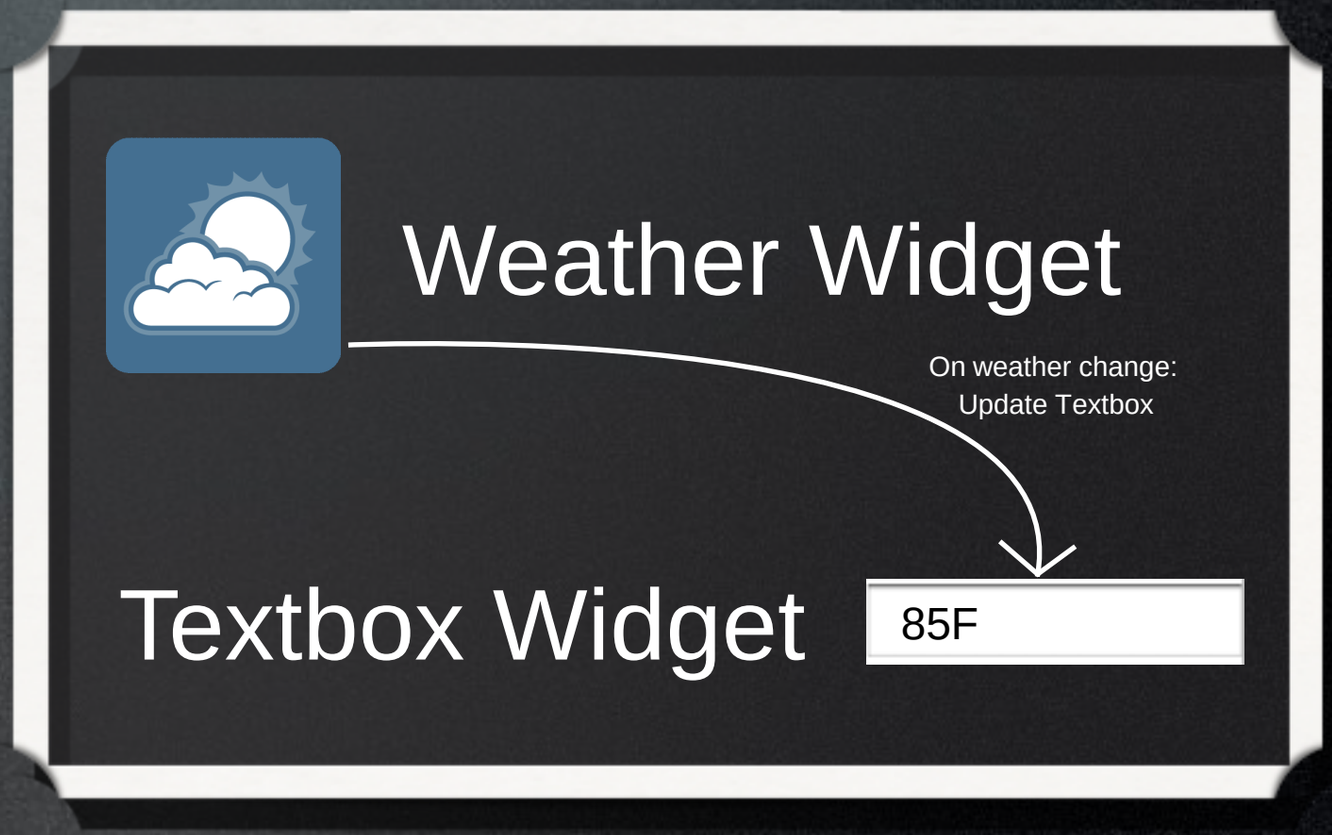
together using
“Pipes”

QuickTime™ and a
H.264 decompressor
are needed to see this picture.

Fluency

Widgets

- Nuggets of functionality
- Properties
- Actions



Fluency

Non-visual Widget

Weather Widget

On weather change:
Update Textbox

Textbox Widget

85F

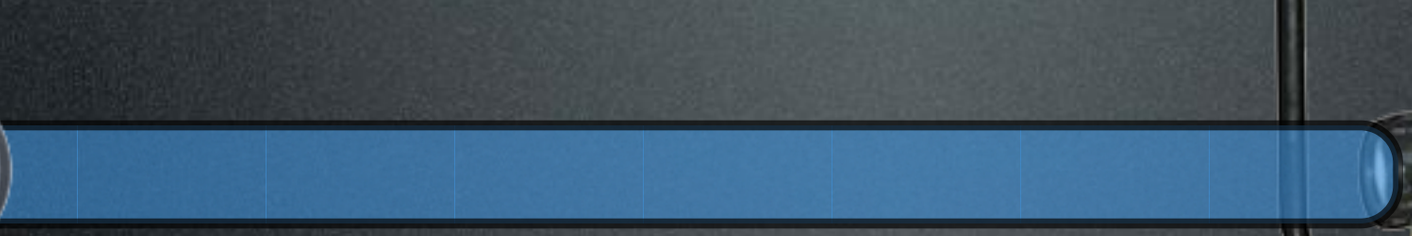
Visual Widget

Fluency

Weather Icon Source:
http://flukeout.com/free-weather-icons/

Pipes

Faucet



Pipe

Water Pump

Fluency

Pipes

event happened

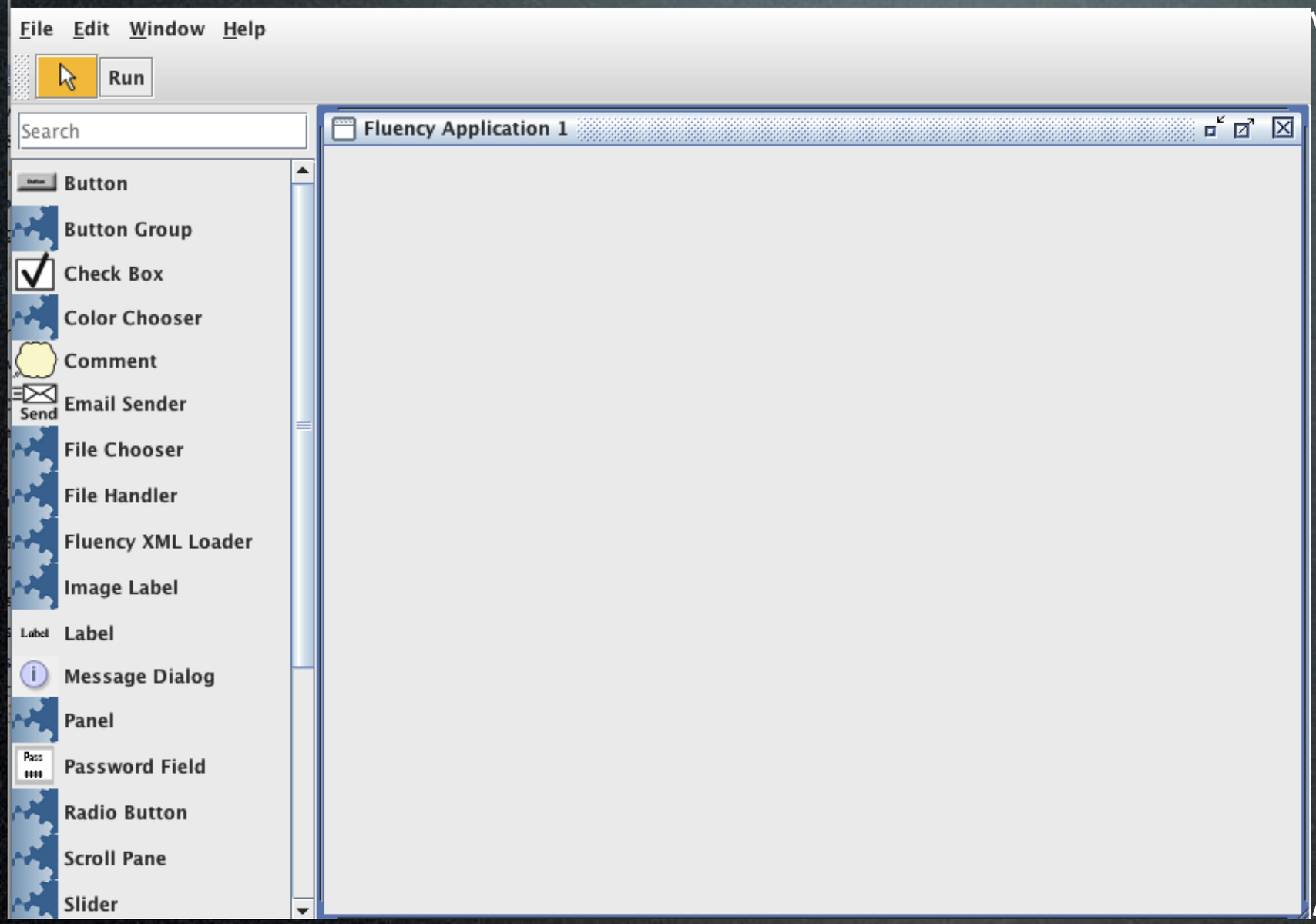
Pipe

Action

Event Broker

Fluency

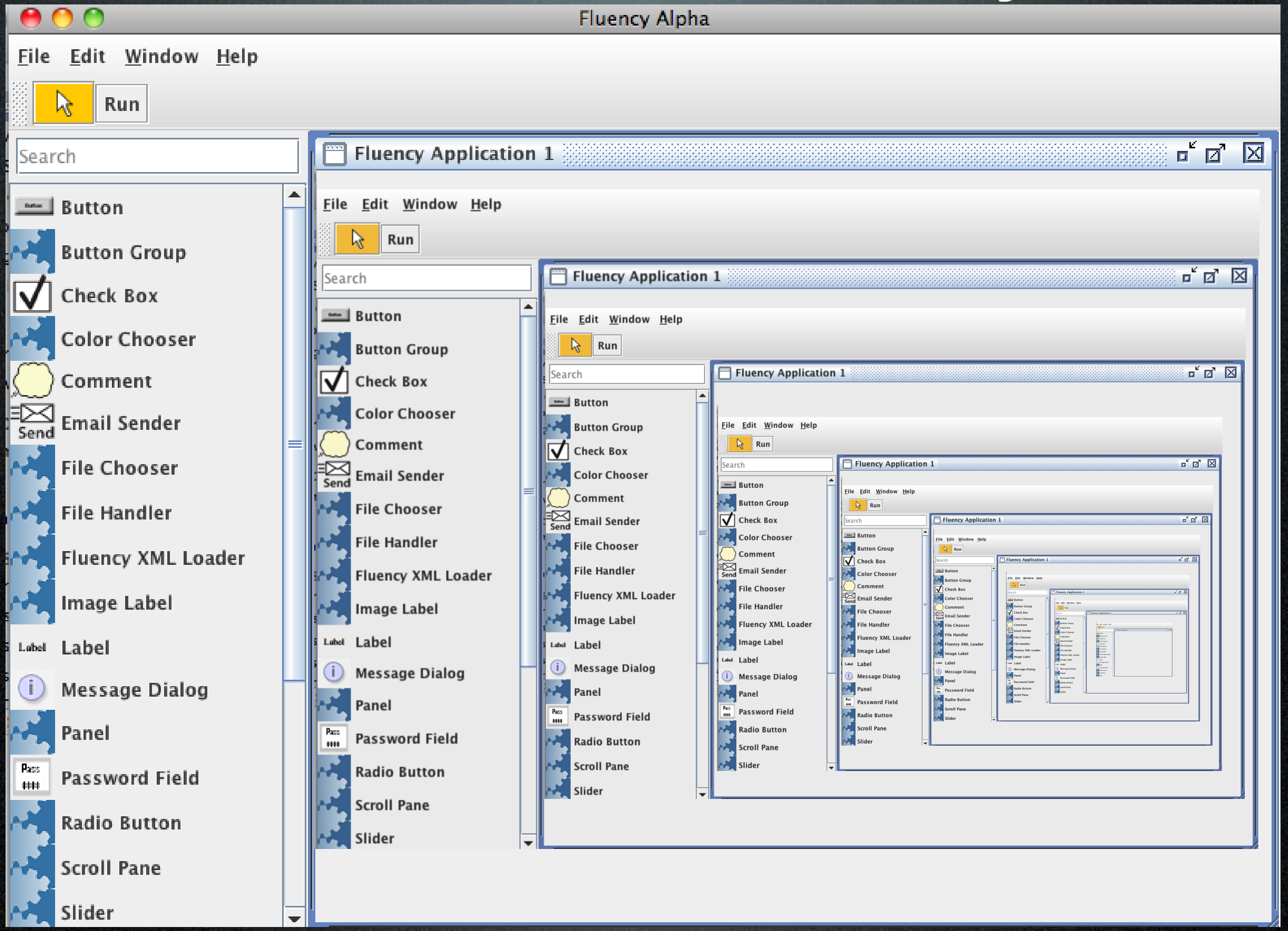
Molecules



Molecule

Fluency

Recursive Fluency



This week

- Pipe representation mostly redone
- Actions can be deleted
- Pipe creation GUI simplified
  - Trimmed fat
- Connect to existing actions

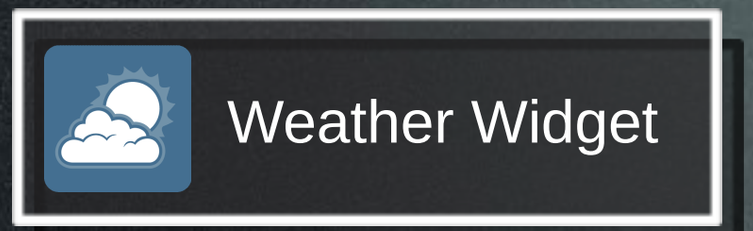
Fluency

Next Week's Goals

- Connecting arguments to actions
- Finish reworking of the Pipe Representations
- Icons for all widgets!

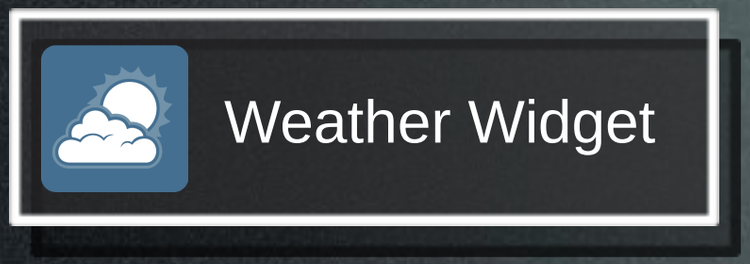
Thank you

Pipe Concept



Fluency

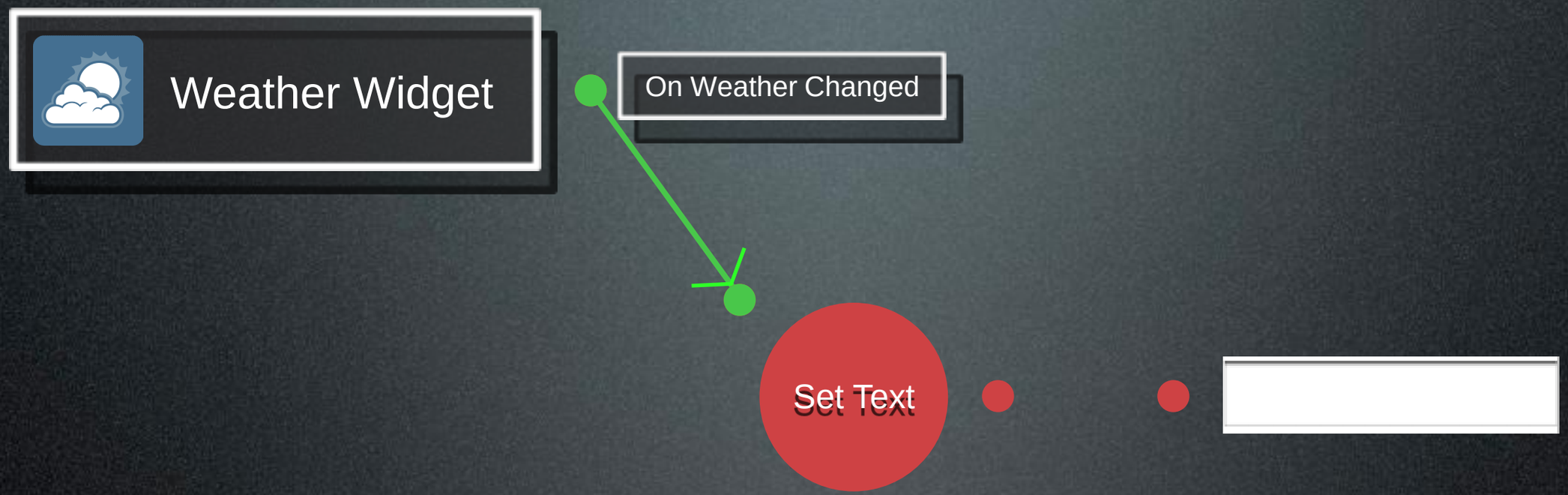
Pipe Concept



Set Text

Fluency

Pipe Concept



Fluency

Future of Pipes

Fluency