



As at 26 March 2009

ANATOMY OF TWITTERFX

TopControlPanel.fx

TinyButton.fx

TextButton.fx

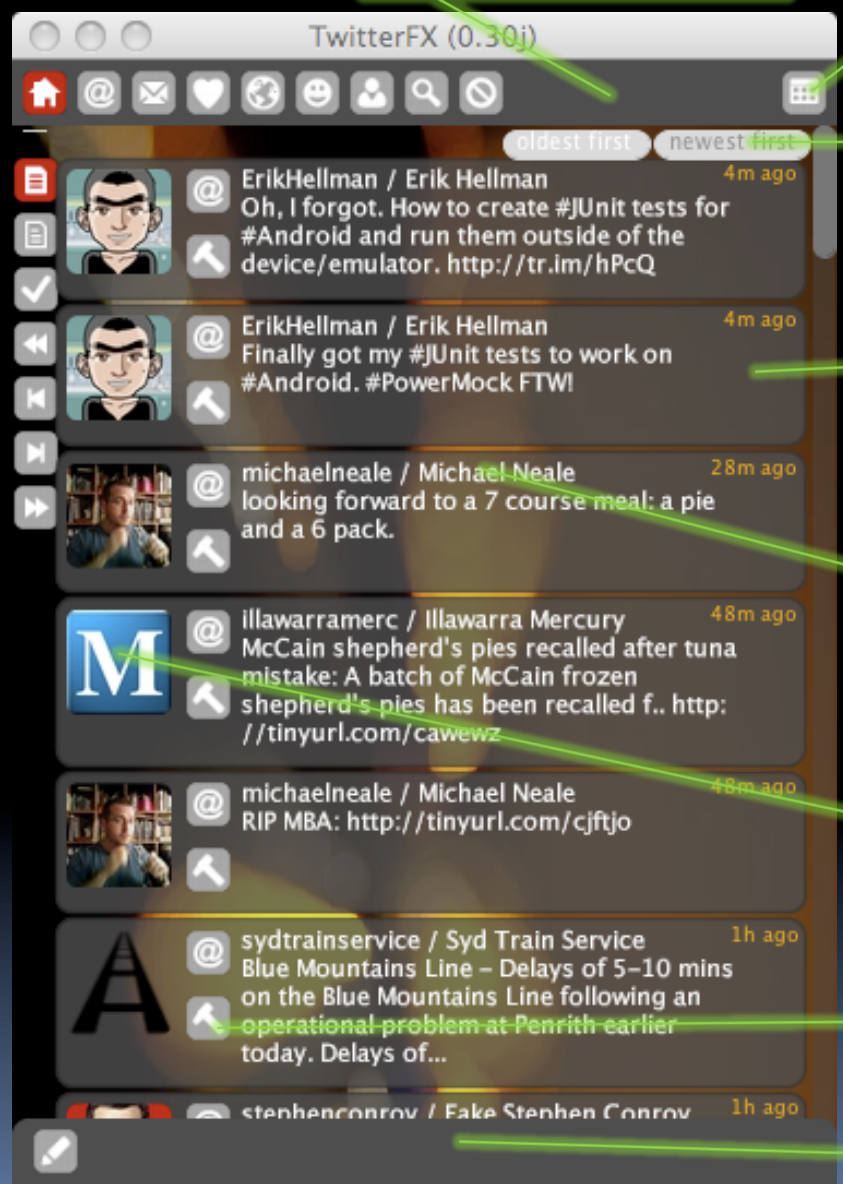
StatusNode.fx

HyperText.fx

FriendNode.fx

ToolBox.fx

SendTweetPanel.fx



Package overview

- Twitterfx
 - Holds the main.fx file, this is the entry point
- Twitterfx.browser
 - No longer used, contains a third party class for invoking a web browser
- Twitterfx.components
 - All the lower level visual components, instances of these components are used within panels – also includes the icons
- Twitterfx.panels
 - The main panels/dialogs, these are the high level containers
- Twitterfx.tinyurl
 - Java class to handle tinyurl shrinking, not used any longer, now uses the native JavaFX RemoteTextDocument class
- Twitterfx.twitpic
 - Twitpic image uploading integration, handles the multi-part mime form upload stuff (not available in native JavaFX)
- Twitterfx.twitter
 - Contains TwitterAPI.fx, the main class through which Twitter's REST API is accessed, and the data model for Statuses and Users (from twitter)
- Twitterfx.util
- Twitterfx.ycoding
 - Handles the decoding of the html unicode that twitter sends into Java unicode chars

twitterfx.components

- `CachedImageLoader.fx`
 - Wraps a `ConcurrentHashMap` which caches images retrieved from the net, this is because JavaFX currently doesn't cache images – if you create 5 images with the same URL, it would appear to retrieve said image 5 times. This caches image objects, keyed by the url.
- `DirectNode.fx/FriendNode.fx/StatusNode.fx`
 - These are the main `CustomNodes` through which Direct Messages, Images of tweeters and Tweets (Statuses) are visually displayed

Twitterfx.components

- `HyperText.fx`
 - Extension of JavaFX native `Text` type to handle hypertext style behavior – ie. Click to open browser for all urls within the text node.
- `IconButton.fx`, `TextButton.fx`, `TinyButton.fx`
 - All types of button with a particular appearance which all execute an action when clicked.
- `SwingPasswordField.fx`,
`TweetTextComponent.fx`
 - Wrapped swing components which offer custom behavior. `TweetTextComponent` counts down to max tweet size as the user types.

twitterfx.components

- ToolTip.fx
 - Handles the tooltip functionality.

twitterfx.panels

- `StatusPanel.fx`
 - The main panel type used for any kind of scrolling list of statuses
- `FriendPanel.fx`
 - The panel type for lists of users
- `TopControlPanel.fx`
 - The main control panel at top of screen
- `SendTweetPanel.fx`
 - Pop out tweeting panel.

Twitterfx.twitter

- TwitterAPI.fx
 - The TwitterAPI in JavaFX
- PersistenceAPI.fx
 - Wrapper on the JDBC code which does the interaction with the database
- RequestHandler.fx
 - Extension of HTTPRequest with HTTP basic authentication and the handling of twitter error responses
- StatusListParser, UserListParser, StatusParser, UserParser
 - Code which marshals the XML responses from Twitter into the data holding objects (Status.fx)