

# In control with ControlsFX

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# Session overview



1. ControlsFX overview
2. Introduction to ControlsFX features
3. Demonstration
4. How to get involved
5. Future plans
6. Wrapping up / question time



# ControlsFX Overview

# Answering your burning questions



How do  
I get involved?

What is it?

## ControlsFX

Can it  
benefit me?

Why does  
it exist?

Who is  
involved?



# What is ControlsFX?



Low bug count

JavaFX library

## ControlsFX

Business  
friendly licensing  
(BSD)

Focus on  
high quality API

# Who is ControlsFX?

Here today:



Eugene Ryzhikov



Jonathan Giles

# Who is ControlsFX?

## Not here today:

- Sven Reimers
- John Malc
- Stefan Saring
- Henri Biestro
- Ryan Jaeb
- Werner Lehmann
- Jean-François Henrard
- Jens Deters
- Badisi
- Dirk Lemmermann
- Tomas Mikula
- Dennis Lee
- Julien Coloos
- Paul Jonas
- Pascal Büttiker
- Pedro Duque Vieira
- Dennis Fischer
- Alice Sotzek
- Anirvan Sarkar
- Adam Kosta
- Gabriel Féron
- Carolina Veiga
- Artur Biesiadowski
- Yair Oren
- Davide Nabais
- Tom Eugelink
- Michał Skowroński
- Uwe Sander
- Laurent Gebus
- Geoffrey Capper
- Romain Moreau
- Sriram Raghuraman
- Mario Voigt
- Ruben Paz
- jonathan millman
- Michael Berry
- Chen Gaofeng
- Γεράσιμος Μάκης Μαρόπουλος
- Ladislav Török
- Tiziano Lattisi
- Victor Alfonso
- Pineda Orozco
- Daniel Rodrigues

# Who is ControlsFX?

## Not here today:

- Christian Michelsen
- Takayuki Shoji
- Farzaneh Taleb
- Steffen Rachner
- Manel Sanchez i Ruiz
- Samir Hadzic
- John Zeringue
- István Avramucz
- Marek Budyn
- George Keith Watson
- Christoph Keimel
- Łukasz Śliwiński
- George Moralis
- Yann D'Isanto
- István Avramucz
- James Denvir
- Carlos Martins
- Andreas Liebelt
- André Lanouette
- Ralf Schmitt
- Thijs Walcarius
- Roger Terrell
- Thomas Nield
- Jason Pollastrini
- Bastien Aracil
- Haval Ahmed
- Jeff Plourde
- Cole Markham
- Nathaniel Sherry
- Márcio Rodrigues
- Robert Lichtenberger
- Christoph Keimel
- Sarah Skanes
- Michael Ellis
- Arthur McGibbon
- Robert B. Colton
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- John Brandon
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All up, there are over 90 contributors to ControlsFX!

# Who is ControlsFX?



- More importantly, it can be you!
- ControlsFX welcomes contributions
  - Bug fixes,
  - Translations,
  - New features,
  - New controls
- We review all code that comes in, so you can learn a lot!
- We are not a dumping ground for half-implemented ideas though!

# What is ControlsFX?

## - Releases

Version	Release Date	Release Gap	Downloads
ControlsFX 8.0.0 Developer Preview 1	May 7, 2013	-	720
ControlsFX 8.0.0	June 3, 2013	~ One month	627
ControlsFX 8.0.1	July 7, 2013	~ One month	536
ControlsFX 8.0.2 Developer Preview 1	August 11, 2013	~ One month	513
ControlsFX 8.0.2 Developer Preview 2	September 11, 2013	~ One month	420
ControlsFX 8.0.2	October 11, 2013	~ One month	881
ControlsFX 8.0.3	December 4, 2013	~ Two months	614
ControlsFX 8.0.4	December 28, 2013	~ One month	1382
ControlsFX 8.0.5	March 4, 2014	~ Two months	3974
ControlsFX 8.0.6	May 29, 2014	~ Two months	8324*
ControlsFX 8.20.7	September 30, 2014	~ Four months	2129*
ControlsFX 8.20.8	October 19, 2014	~ One month	16917*
ControlsFX 8.20.9 / 8.40.9	June 1, 2015	~ Eight months!	1188* / 5319*
ControlsFX 8.40.10	October 26, 2015	~ Five months	-

# What is ControlsFX?

## - Releases

- Releases are generally slowing down
- Why?
  - ControlsFX has filled in a lot of gaps in the JavaFX UI controls
  - A lot of the 'interesting' problems are solved
  - Focus is shifting more to quality, rather than new features
- Pull requests and new features are still being accepted though!



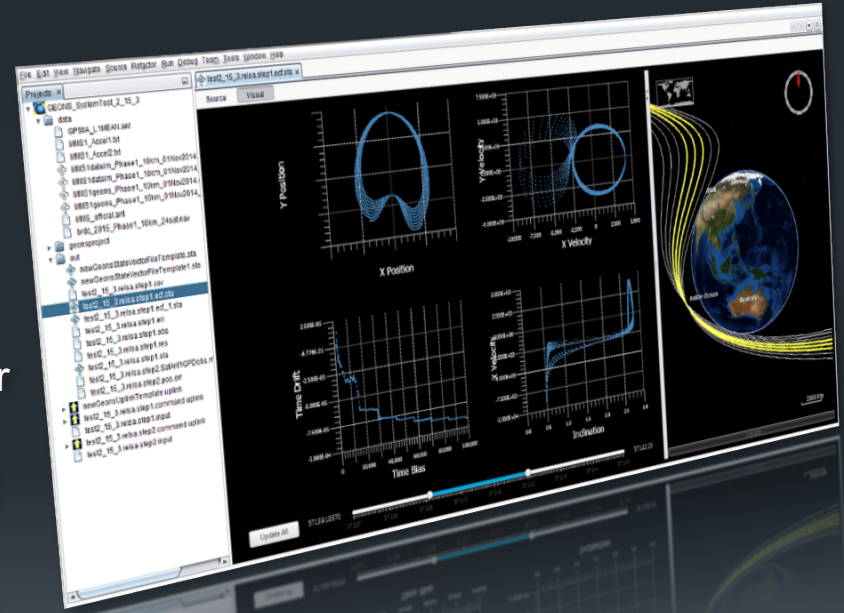
# Why does ControlsFX exist?

- Official JavaFX UI controls are developed slowly and their APIs are fixed once released.
  - Jonathan should know – He the tech lead of JavaFX UI Controls at Oracle
- ControlsFX exists to fill the gaps in JavaFX UI Controls:
  - API is much less rigid in ControlsFX
  - But: API quality is required to be exceptionally high to release
  - We follow the same API patterns as in JavaFX for consistency

# Who uses ControlsFX?

## NASA Magnetospheric Multiscale Mission Support Software

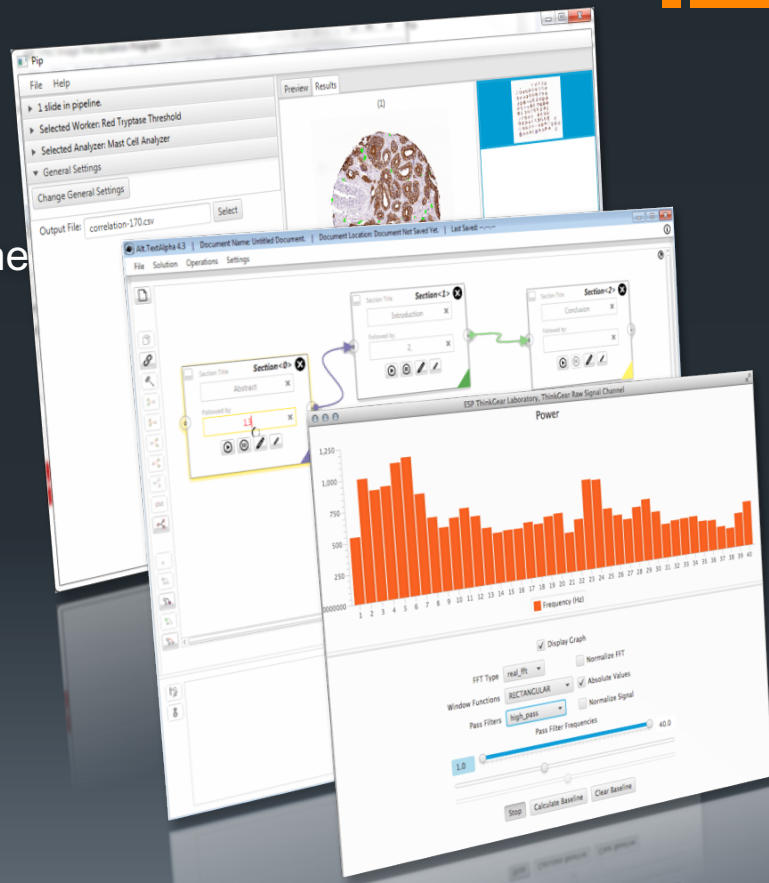
- Mission info [mms.gsfc.nasa.gov](http://mms.gsfc.nasa.gov)
- Developed at the Goddard Space Flight Center by ai-solutions, NASA partner
- Sean Phillips, lead developer, and his team will be discussing and demonstrating some of the software developed for NASA at their sessions.

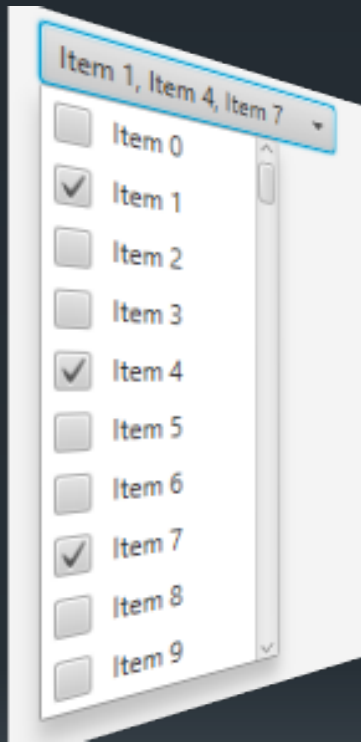


# Who uses ControlsFX?

- **PIP** – open source medical image analysis tool for use with cancer research projects at the Department of Pathology and Laboratory Medicine of Johns Hopkins Hospital
- **Alt.Text** – tool for exploring alternatives in text documents
- **ESPLab** – JavaFX 8 GUI for ESP devices

We know there is a lot more ...





# ControlsFX Features

# Dialog API

## The beginning

- Featured since the first ControlsFX release
- Enjoys wide popularity
- Quickly became the de-facto Dialog API for JavaFX
- Became a “victim of its own success”
  - Accepted and promoted to be a part of JavaFX, starting with JavaFX 8u40



# Dialog API

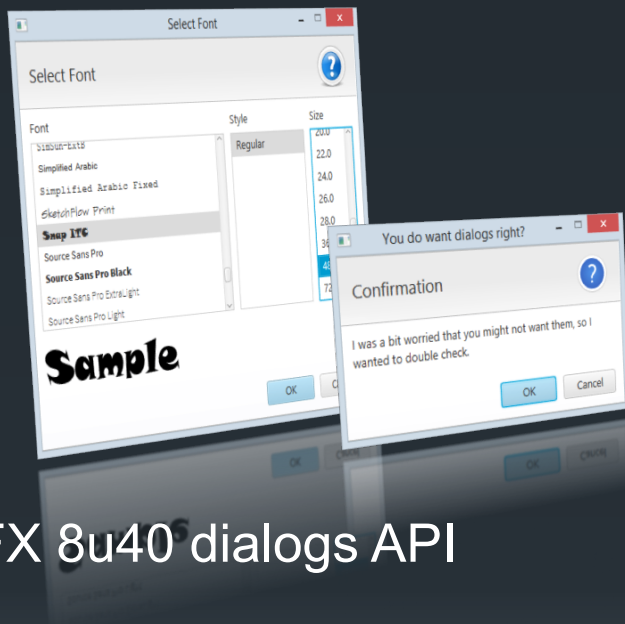
## Current status



- Huge amount of API development in JavaFX 8u40.
- Totally different API compared to ControlsFX (although implementation is the same).
- What happened to the 'original' ControlsFX dialogs:
  - When our dialogs went into JavaFX, we deprecated our alternate API.
  - We have now removed the deprecated dialogs from ControlsFX
  - All dialogs that are now offered in JavaFX are not offered in ControlsFX
  - ControlsFX now uses the new, official API to provide dialogs not available in JavaFX itself.

# Dialog API

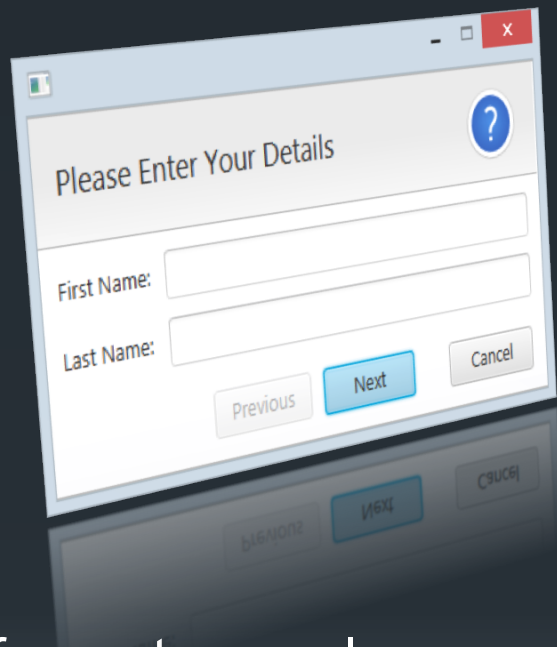
## openjfx-dialogs



- openjfx-dialogs is a fork of JavaFX 8u40 dialogs API
- Works fine in 8u20
- Fork is manually updated when necessary from openjfx
- Available online under OpenJDK license (GPL + Classpath):
  - <http://bitbucket.org/controlsfx/openjfx-dialogs>

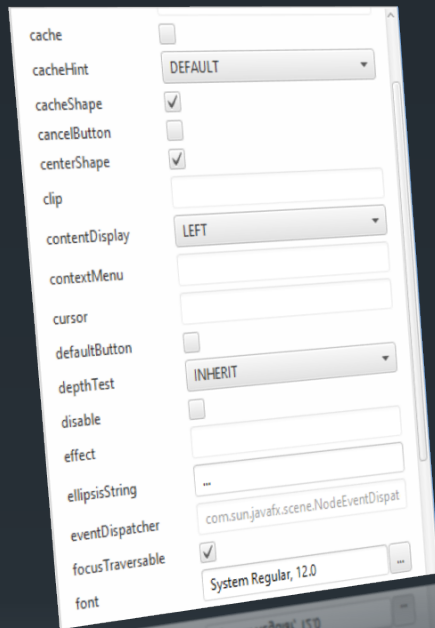
# Wizard API

- First iteration , based on openjfx-dialogs
- WizardPane based DialogPane
- Wizard.Flow interface defines the logic of page traversal
- Wizard.LinearFlow – simple linear flow
- Custom flows can be easily defined
- Wizard handles page history automatically





# Property Sheet



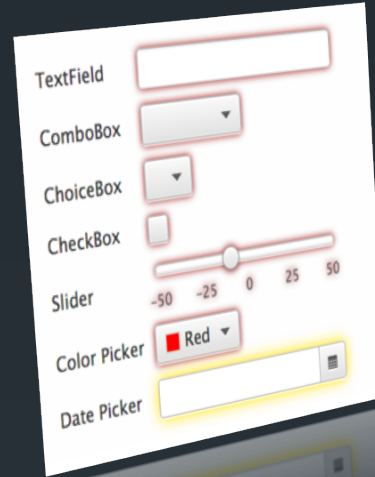
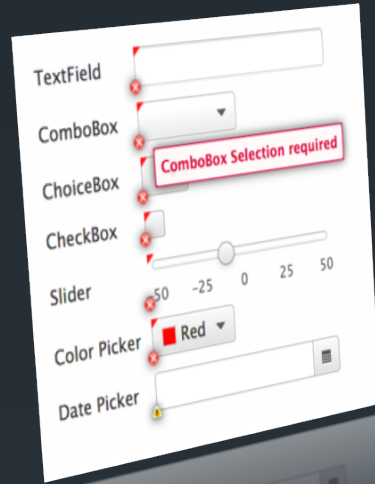
- Support for JavaBeans properties, as well as custom property models
- Includes prebuilt editors as well as ability to register custom ones
- Property grouping by name or category
- Property filtering
- Can also be used to implement simple forms.

# Action API



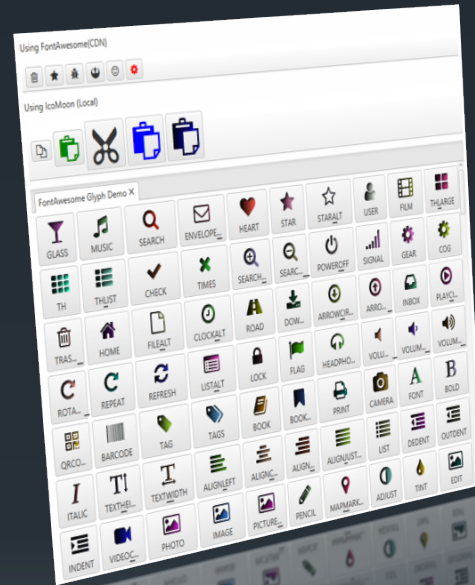
- JavaFX is missing an Action API, so we implemented it.
- Action is an `EventHandler<ActionEvent>` implementing all common properties.
- Can create UI controls such as buttons, menu items, etc from an Action
- Can define an 'action tree' to effortlessly build ToolBar, MenuBar and ContextMenu
- `@ActionProxy` annotation. Methods annotated with it become actions automatically

# Decoration / Validation API



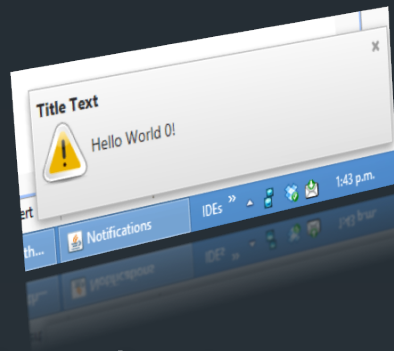
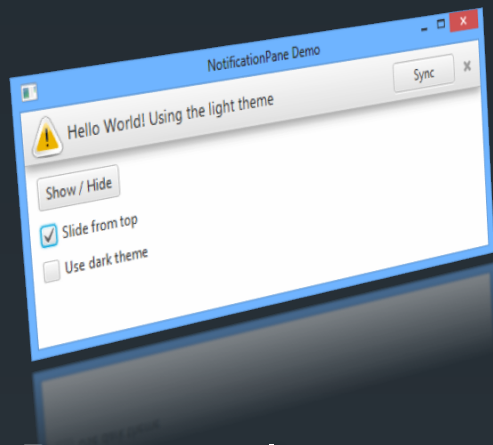
- Can decorate nodes through CSS or graphic at predefined positions
- Decoration is used as visual feedback mechanism for Validation API
- Validation API is designed to be lightweight but flexible

# Glyph Font API



- Inspired by Jens Deters' excellent FontAwesomeFX library
- Supports any icon fonts, such as FontAwesome, IcoMoon etc
- Extended use of icon fonts in Action API:  
`@ActionProxy(text="Action Text", image="font>FontAwesome|STAR")`

# Notification API



- NotificationPane: overlay pane, animates in and out, support for graphics, text, controls, has several visual styles
- Notifications: Similar to NotificationPane but a separate window. Can appear in one of nine locations on the screen, support for stacking multiple notifications and showing complex screen graphs. Fades out after a set duration.

# SpreadsheetView

TableView-like control that supports:

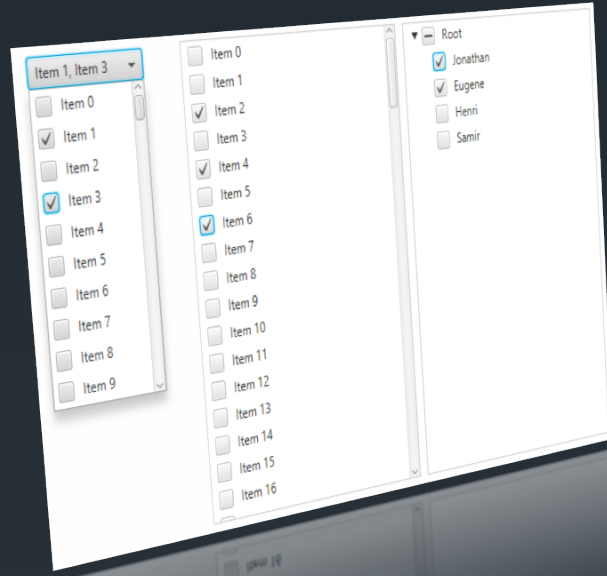
- Cell spanning
- Fixed rows and columns
- Cell editing

	A	B	C	D
1	Logo			Rapture
2	Company :	ControlsFX	Aperture Science	China
3	Countries	New Zealand	United States	23/08/2014
4	Start day	29/08/2014	27/08/2014	23/08/2014
5	Logo		22.046	73.836
6	Income	It's over 9000!	76%	16%
7	Increase	71%	1	3
8	Number of employees	4	<a href="http://aperturescience.com/">http://aperturescience.com/</a>	
9	WebSite	<a href="http://fluxexperience.com/controlsfx/">http://fluxexperience.com/controlsfx/</a>		
10				
11			London	22/08/2014
12		Berlin	11.056	24/08/14
13	Random 13	United States	5.595E1	24/08
14	Random 14	samedi 23		
15	Random 15			
16	Random 16			

# CheckComboBox

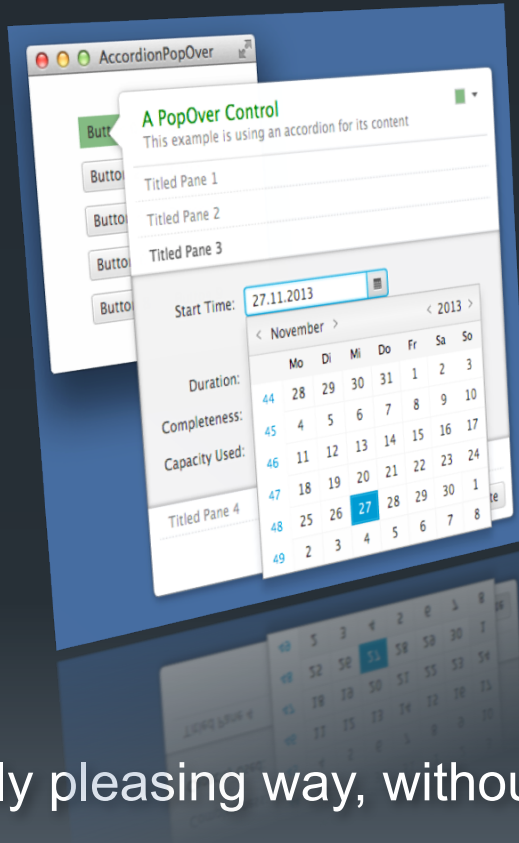
# CheckListView

# CheckTreeView



- All three controls extend the standard JavaFX UI control
- Adds support for a 'check model', to allow developers to easily
  - Check specific indices / items
  - Retrieve checked indices / items

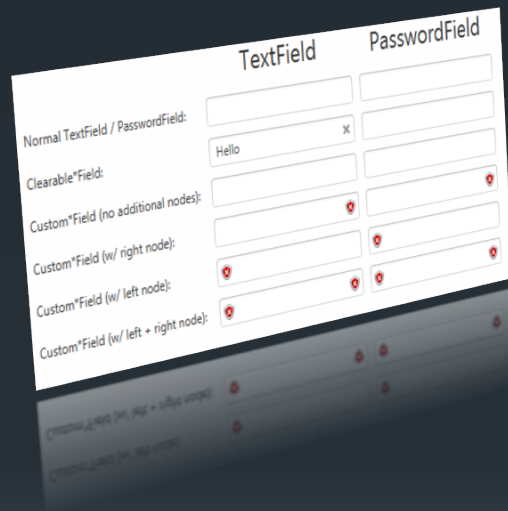
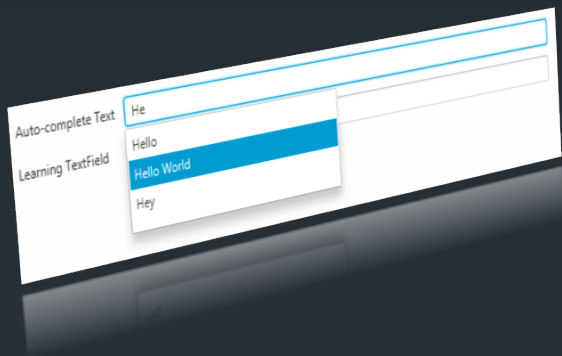
# PopOver



Provides information in a visually pleasing way, without interfering with user's workflow.

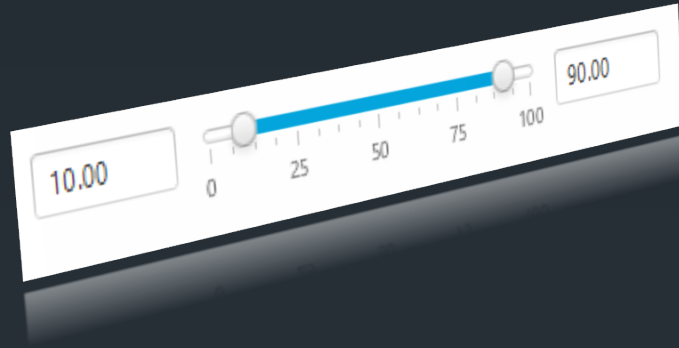


# TextField API



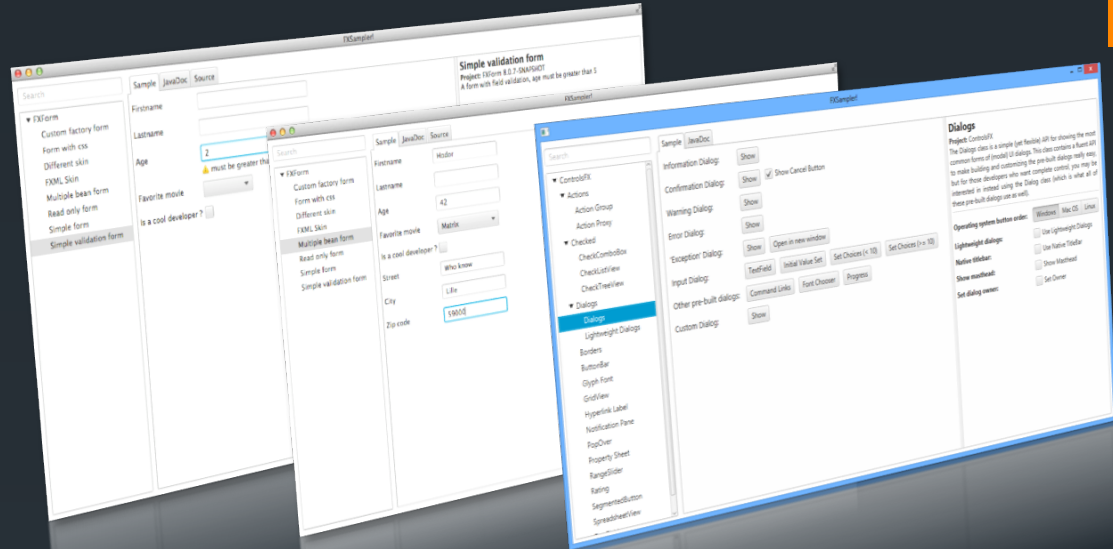
- Autocomplete TextField
- Clearable Fields
- Decorated Fields, where nodes can be placed within the text area.
  - Text does not go underneath the decoration!

# Range Slider



- Standard JavaFX slider but with two draggable thumbs, instead of one.
- Thumbs represent low and high values.
- User can drag range bar to concurrently adjust both values

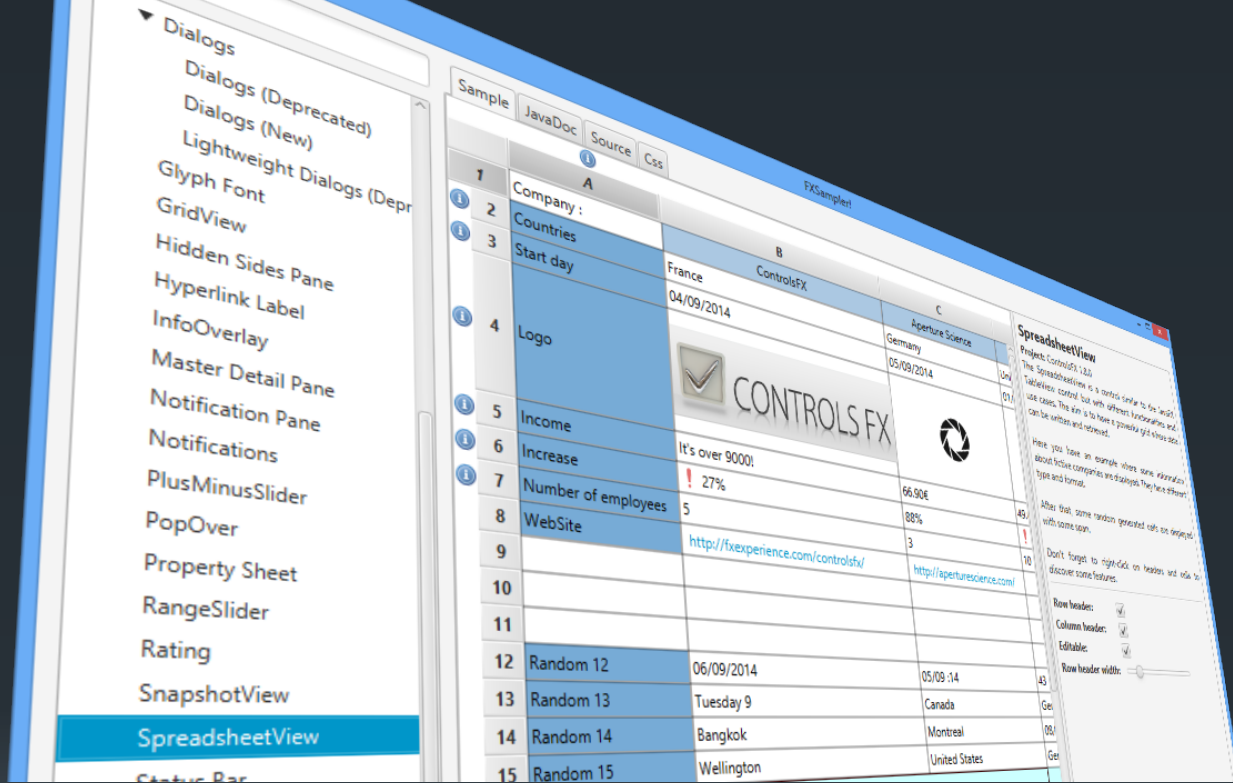
# FX Sampler



- To demonstrate ControlsFX, we built FX Sampler
- Standalone application that detects samples at runtime
- Can be used by anyone wanting to demonstrate their samples
  - E.g. JFXtras, FlexGanttFX and FXForm2 use it
  - Overall 19 downloads of the last release

# Even more controls

- **Border API**: wraps nodes and panes with a border
- **BreadCrumbBar**: Simple navigator for hierarchical page structures
- **GridView**: fast, virtualized grid container. Great for showing images
- **HiddenSidesPane**: Pane with possible hidden side panes
- **HyperlinkLabel**: Label with clickable links
- **InfoOverlay**: Designed to show text comment over a node
- **MasterDetailPane**: Details pane can be made invisible on demand.
- **PlusMinusSlider**: Allows continuous scrolling through large datasets
- **Rating**: Shows star rating, including partial ratings
- **SegmentedButton**: Visually groups toggle buttons together
- **SnapshotView**: Draw a bounding box on screen graph and get selection



# Demonstration

**Overview**

Last updated: an hour ago  
Website: <http://www.controlsfx.org/>  
Language: Java  
Access level: Read

6 Branches, 13 Tags, 78 Forks, 119 Watchers

**Overview**

ControlsFX is an [open source project](#) for JavaFX that aims to provide really high quality UI controls and other tools to complement the core JavaFX distribution. It has been developed for JavaFX 8.0 and beyond, and has a guiding principle of only accepting new controls / features when all existing code is at an acceptably high level, including thorough javadoc documentation. This ensures a high quality release is available at all times, with all experimental work being done in branches of the main code base.

You can learn more about [ControlsFX](#) on its website, and be sure to check out the [features page](#) for an overview of everything ControlsFX offers.

If you think you have a feature you can contribute, a bug you want to fix please review our [guide for contributors](#).

**Build Status and Project Links**

Jenkins (ControlsFX build status)	<a href="#">build status</a> <b>Success</b>
Jenkins (ControlsFX samples build status)	<a href="#">build status</a> <b>Failed</b>
Jenkins (FXSampler build status)	<a href="#">build status</a> <b>Success</b>
Latest published version in Maven Central	<a href="#">maven central</a> <b>8.0.5-20</b>
Open Hub (Repository stats)	<a href="#">dependencies</a> <b>Success</b>
Version Eye (External project dependencies)	<a href="#">references</a> <b>Success</b>
Version Eye (External project references)	

# Getting Involved

# Getting Started

## - In Six Simple Steps!

**1** The following software is required:

- Mercurial
- Gradle
- JDK 8u40

**2** You'll need a Bitbucket account

- Accounts are free from <http://bitbucket.org>



# Getting Started

## - In Six Simple Steps!

3

Fork the repo.

- Go here to create your own fork
  - <https://bitbucket.org/controlsfx/controlsfx/fork>

4

Clone your fork:

- hg clone <https://<username>@bitbucket.org/<username>/<forkname>>
- e.g.
  - hg clone <https://eryzhikov@bitbucket.org/eryzhikov/controlsfx>




# Getting Started


## - In Six Simple Steps!



- 5** Build your clone. From clone root directory, run:
  - `gradle clean assemble`
  
- 6** Run your clone:
  - `gradle run`

# Where is ControlsFX?

[to the beginning home](#)[to our app scenic view](#)[about this site about](#)[blog posts feed rss](#) [follow us](#)



# CONTROLS FX

ControlsFX is an [open source project](#) for JavaFX that aims to provide really high quality UI controls and other tools to complement the core JavaFX distribution. It has been developed for JavaFX 8.0 and beyond, and has a guiding principle of only accepting new controls / features when all existing code is at an acceptably high level, including thankless jobs like having [high quality javadoc documentation](#). This ensure a high quality release is available at all times, with all experimental work being done in branches of the main code base.

## Features

ControlsFX includes so many features that we're now listing them on a separate page! Go to the [ControlsFX features](#) page to see some of what is included in ControlsFX.

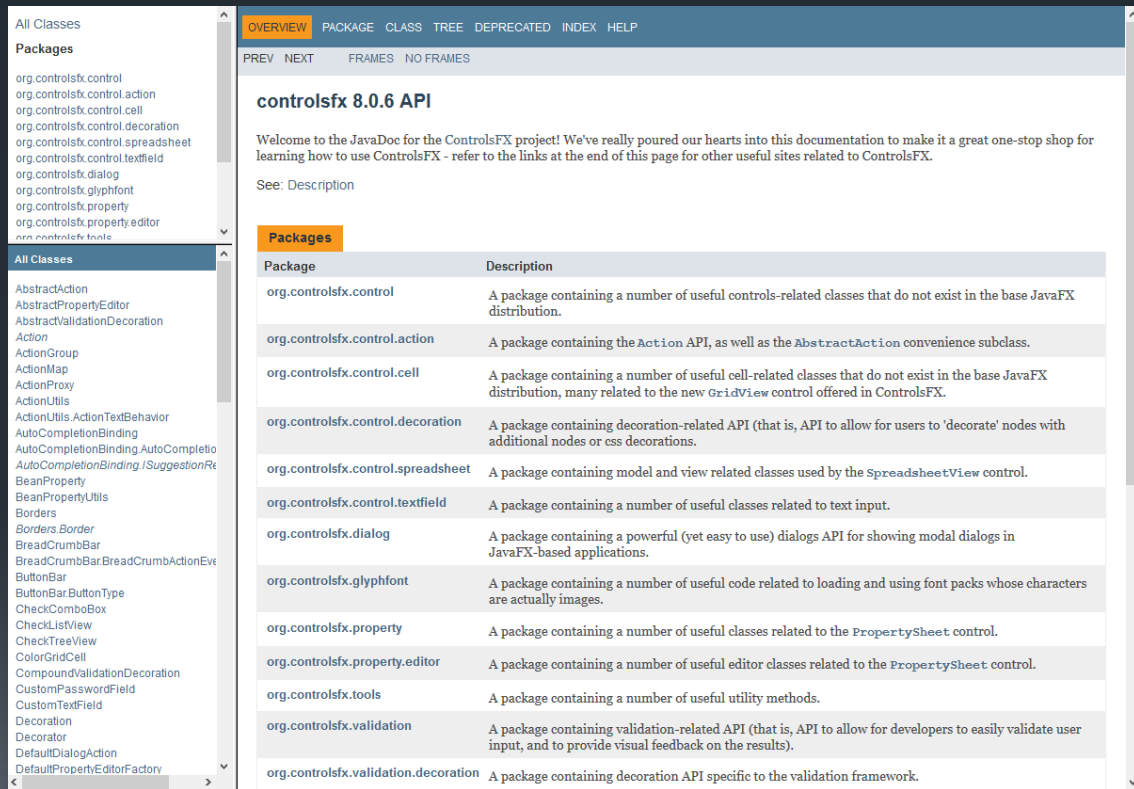
## Quick links

- [Features](#)
- [Developer site](#)
- [JavaDoc](#)
- [Mailing list](#)
- [Bug / feature tracker](#)

## Getting ControlsFX

For ControlsFX 8.0.6 we are releasing two separate releases:

# Where is ControlsFX?



All Classes

**Packages**

- org.controlsfx.control
- org.controlsfx.control.action
- org.controlsfx.control.cell
- org.controlsfx.control.decoration
- org.controlsfx.control.spreadsheet
- org.controlsfx.control.textfield
- org.controlsfx.dialog
- org.controlsfx.glyphfont
- org.controlsfx.property
- org.controlsfx.property.editor
- org.controlsfx.tools

**All Classes**

- AbstractAction
- AbstractPropertyEditor
- AbstractValidationDecoration
- Action
- ActionGroup
- ActionMap
- ActionProxy
- ActionUtils
- ActionUtils.ActionTextBehavior
- AutoCompletionBinding
- AutoCompletionBinding.AutoComplete
- AutoCompletionBinding.SuggestionRt
- BeanProperty
- BeanPropertyUtils
- Borders
- Borders.Border
- BreadCrumbBar
- BreadCrumbBar.BreadCrumbActionEvt
- ButtonBar
- ButtonBar.ButtonType
- CheckComboBox
- CheckListView
- CheckTreeView
- ColorGridCell
- CompoundValidationDecoration
- CustomPasswordField
- CustomTextField
- Decorator
- DialogAction
- DefaultPropertyEditorFactory

**controlsfx 8.0.6 API**

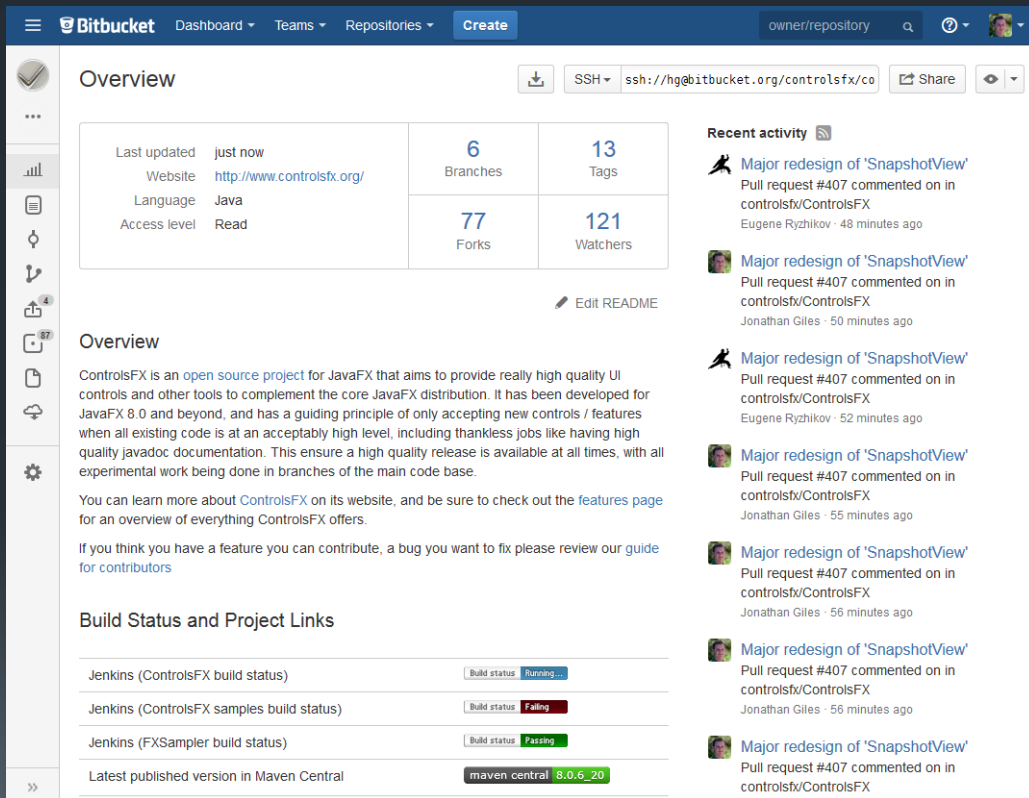
Welcome to the JavaDoc for the ControlsFX project! We've really poured our hearts into this documentation to make it a great one-stop shop for learning how to use ControlsFX - refer to the links at the end of this page for other useful sites related to ControlsFX.

See: Description

**Packages**

Package	Description
org.controlsfx.control	A package containing a number of useful controls-related classes that do not exist in the base JavaFX distribution.
org.controlsfx.control.action	A package containing the <code>Action</code> API, as well as the <code>AbstractAction</code> convenience subclass.
org.controlsfx.control.cell	A package containing a number of useful cell-related classes that do not exist in the base JavaFX distribution, many related to the new <code>GridView</code> control offered in ControlsFX.
org.controlsfx.control.decoration	A package containing decoration-related API (that is, API to allow for users to 'decorate' nodes with additional nodes or css decorations).
org.controlsfx.control.spreadsheet	A package containing model and view related classes used by the <code>SpreadsheetView</code> control.
org.controlsfx.control.textfield	A package containing a number of useful classes related to text input.
org.controlsfx.dialog	A package containing a powerful (yet easy to use) dialogs API for showing modal dialogs in JavaFX-based applications.
org.controlsfx.glyphfont	A package containing a number of useful code related to loading and using font packs whose characters are actually images.
org.controlsfx.property	A package containing a number of useful classes related to the <code>PropertySheet</code> control.
org.controlsfx.property.editor	A package containing a number of useful editor classes related to the <code>PropertySheet</code> control.
org.controlsfx.tools	A package containing a number of useful utility methods.
org.controlsfx.validation	A package containing validation-related API (that is, API to allow for developers to easily validate user input, and to provide visual feedback on the results).
org.controlsfx.validation.decoration	A package containing decoration API specific to the validation framework.

# Where is ControlsFX?



The screenshot shows the Bitbucket repository page for ControlsFX. The top navigation bar includes 'Dashboard', 'Teams', 'Repositories', and 'Create'. The repository name 'owner/repository' is visible in the top right. The main content area is titled 'Overview' and features a table with repository statistics: Last updated (just now), Website (http://www.controlsfx.org/), Language (Java), Access level (Read), 6 Branches, 13 Tags, 77 Forks, and 121 Watchers. Below this, the 'Overview' section describes ControlsFX as an open source project for JavaFX, aiming to provide high quality UI controls and tools. It mentions that the project has been developed for JavaFX 8.0 and beyond, following a guiding principle of only accepting new controls/features when all existing code is at an acceptably high level. The 'Build Status and Project Links' section shows Jenkins build status for ControlsFX (Running), ControlsFX samples (Failing), and FXSampler (Passing). The 'Recent activity' section on the right lists several pull requests, all titled 'Major redesign of 'SnapshotView'', with comments from Eugene Ryzhikov and Jonathan Giles.

Bitbucket Dashboard Teams Repositories Create owner/repository

Overview

Last updated	just now	6	13
Website	<a href="http://www.controlsfx.org/">http://www.controlsfx.org/</a>	Branches	Tags
Language	Java	77	121
Access level	Read	Forks	Watchers

Edit README

Overview

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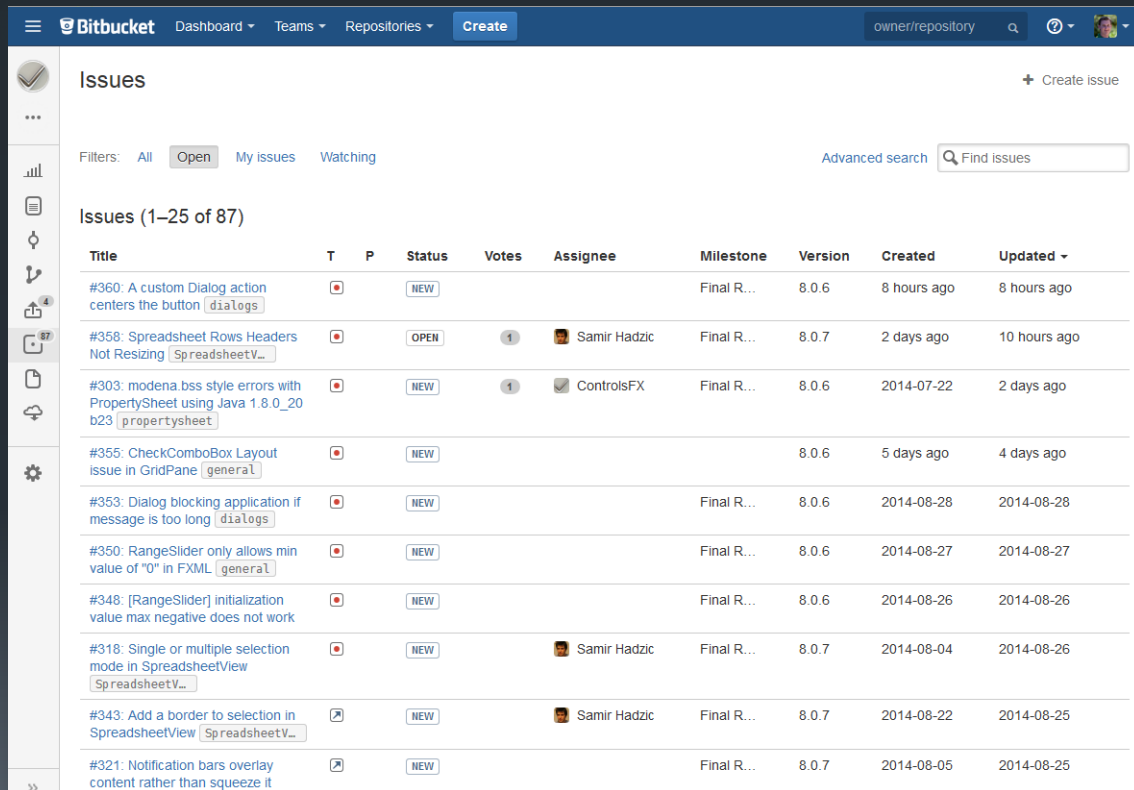
Jenkins (ControlsFX build status)	Build status <span>Running...</span>
Jenkins (ControlsFX samples build status)	Build status <span>Failing</span>
Jenkins (FXSampler build status)	Build status <span>Passing</span>
Latest published version in Maven Central	maven central <span>8.0.6_20</span>

Recent activity

- [Major redesign of 'SnapshotView'](#)  
Pull request #407 commented on in controlsfx/ControlsFX  
Eugene Ryzhikov · 48 minutes ago
- [Major redesign of 'SnapshotView'](#)  
Pull request #407 commented on in controlsfx/ControlsFX  
Jonathan Giles · 50 minutes ago
- [Major redesign of 'SnapshotView'](#)  
Pull request #407 commented on in controlsfx/ControlsFX  
Eugene Ryzhikov · 52 minutes ago
- [Major redesign of 'SnapshotView'](#)  
Pull request #407 commented on in controlsfx/ControlsFX  
Jonathan Giles · 55 minutes ago
- [Major redesign of 'SnapshotView'](#)  
Pull request #407 commented on in controlsfx/ControlsFX  
Jonathan Giles · 56 minutes ago
- [Major redesign of 'SnapshotView'](#)  
Pull request #407 commented on in controlsfx/ControlsFX

code.controlsfx.org

# Where is ControlsFX?



Bitbucket Dashboard Teams Repositories Create owner/repository

Issues + Create issue

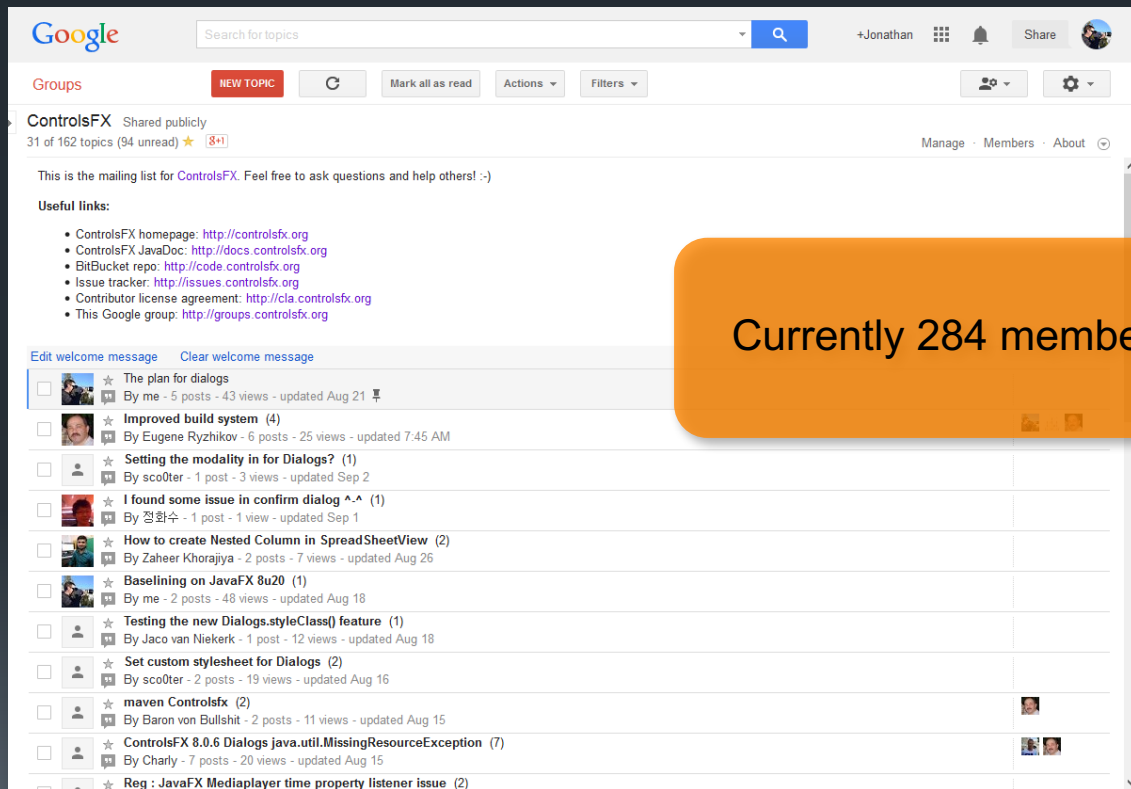
Filters: All Open My issues Watching Advanced search Find issues

Issues (1-25 of 87)

Title	T	P	Status	Votes	Assignee	Milestone	Version	Created	Updated
#360: A custom Dialog action centers the button <a href="#">dialogs</a>	■		NEW			Final R...	8.0.6	8 hours ago	8 hours ago
#358: Spreadsheet Rows Headers Not Resizing <a href="#">SpreadsheetV...</a>	■		OPEN	1	Samir Hadzic	Final R...	8.0.7	2 days ago	10 hours ago
#303: modena.bss style errors with PropertySheet using Java 1.8.0_20 b23 <a href="#">propertysheet</a>	■		NEW	1	ControlsFX	Final R...	8.0.6	2014-07-22	2 days ago
#355: CheckComboBox Layout issue in GridPane <a href="#">general</a>	■		NEW				8.0.6	5 days ago	4 days ago
#353: Dialog blocking application if message is too long <a href="#">dialogs</a>	■		NEW			Final R...	8.0.6	2014-08-28	2014-08-28
#350: RangeSlider only allows min value of "0" in FXML <a href="#">general</a>	■		NEW			Final R...	8.0.6	2014-08-27	2014-08-27
#348: [RangeSlider] initialization value max negative does not work	■		NEW			Final R...	8.0.6	2014-08-26	2014-08-26
#318: Single or multiple selection mode in SpreadsheetView <a href="#">SpreadsheetV...</a>	■		NEW		Samir Hadzic	Final R...	8.0.7	2014-08-04	2014-08-26
#343: Add a border to selection in SpreadsheetView <a href="#">SpreadsheetV...</a>	■		NEW		Samir Hadzic	Final R...	8.0.7	2014-08-22	2014-08-25
#321: Notification bars overlay content rather than squeeze it	■		NEW			Final R...	8.0.7	2014-08-05	2014-08-25

issues.controlsfx.org

# Where is ControlsFX?



The screenshot shows the Google Groups interface for the ControlsFX group. At the top, there's a search bar and navigation links. The group name "ControlsFX" is prominently displayed, along with the note "Shared publicly" and "31 of 162 topics (94 unread)". Below this, a welcome message states: "This is the mailing list for ControlsFX. Feel free to ask questions and help others! :-)". A section titled "Useful links:" provides several resources: ControlsFX homepage, JavaDoc, BitBucket repo, Issue tracker, Contributor license agreement, and the Google group link. A list of recent topics follows, including "The plan for dialogs", "Improved build system", "Setting the modality in for Dialogs?", "I found some issue in confirm dialog", "How to create Nested Column in SpreadsheetView", "Baselining on JavaFX 8u20", "Testing the new Dialogs.styleClass() feature", "Set custom stylesheet for Dialogs", "maven Controlsfx", and "ControlsFX 8.0.6 Dialogs java.util.MissingResourceException".

Google

Search for topics

+Jonathan

Share

Groups

NEW TOPIC

Mark all as read

Actions

Filters

ControlsFX Shared publicly

31 of 162 topics (94 unread) ★ [8+1]

Manage · Members · About

This is the mailing list for ControlsFX. Feel free to ask questions and help others! :-)

Useful links:

- ControlsFX homepage: <http://controlsfx.org>
- ControlsFX JavaDoc: <http://docs.controlsfx.org>
- BitBucket repo: <http://code.controlsfx.org>
- Issue tracker: <http://issues.controlsfx.org>
- Contributor license agreement: <http://cla.controlsfx.org>
- This Google group: <http://groups.controlsfx.org>

Edit welcome message Clear welcome message

★ The plan for dialogs  
By me - 5 posts - 43 views - updated Aug 21

★ Improved build system (4)  
By Eugene Ryzhikov - 6 posts - 25 views - updated 7:45 AM

★ Setting the modality in for Dialogs? (1)  
By sco0ter - 1 post - 3 views - updated Sep 2

★ I found some issue in confirm dialog ^.^ (1)  
By 정화수 - 1 post - 1 view - updated Sep 1

★ How to create Nested Column in SpreadsheetView (2)  
By Zaheer Khorajiya - 2 posts - 7 views - updated Aug 26

★ Baselining on JavaFX 8u20 (1)  
By me - 2 posts - 48 views - updated Aug 18

★ Testing the new Dialogs.styleClass() feature (1)  
By Jaco van Niekerk - 1 post - 12 views - updated Aug 18

★ Set custom stylesheet for Dialogs (2)  
By sco0ter - 2 posts - 19 views - updated Aug 16

★ maven Controlsfx (2)  
By Baron von Bullshit - 2 posts - 11 views - updated Aug 15

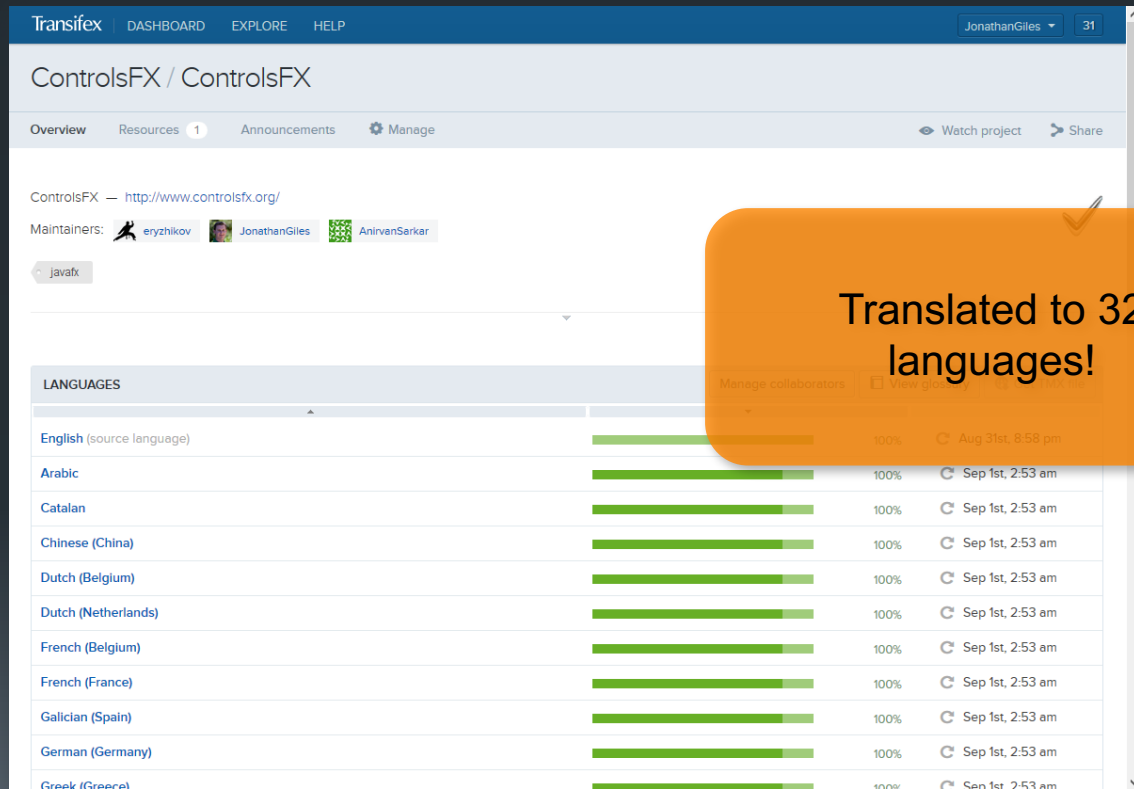
★ ControlsFX 8.0.6 Dialogs java.util.MissingResourceException (7)  
By Charly - 7 posts - 20 views - updated Aug 15

★ Reg : JavaFX MediaPlayer time property listener issue (2)

Currently 284 members!

groups.controlsfx.org

# Where is ControlsFX?



The screenshot shows the Transifex project page for ControlsFX. The page includes a navigation bar with 'Dashboard', 'Explore', and 'Help'. Below the navigation bar, there are tabs for 'Overview', 'Resources', 'Announcements', and 'Manage'. The 'Overview' tab is selected. The page displays the project name 'ControlsFX / ControlsFX' and the URL 'http://www.controlsfx.org/'. It also lists the maintainers: erylzhikov, JonathanGiles, and AnirvanSarkar. A 'javafx' tag is visible. The 'LANGUAGES' section shows a list of languages with their translation progress. An orange callout box with a checkmark icon and the text 'Translated to 32 languages!' is overlaid on the right side of the screenshot.

Language	Progress	100%	Last Update
English (source language)	100%	Aug 31st, 8:58 pm	
Arabic	100%	Sep 1st, 2:53 am	
Catalan	100%	Sep 1st, 2:53 am	
Chinese (China)	100%	Sep 1st, 2:53 am	
Dutch (Belgium)	100%	Sep 1st, 2:53 am	
Dutch (Netherlands)	100%	Sep 1st, 2:53 am	
French (Belgium)	100%	Sep 1st, 2:53 am	
French (France)	100%	Sep 1st, 2:53 am	
Galician (Spain)	100%	Sep 1st, 2:53 am	
German (Germany)	100%	Sep 1st, 2:53 am	
Greek (Greece)	100%	Sep 1st, 2:53 am	

i18n.controlsfx.org

# Where is ControlsFX?

- at Maven Central

- Stable builds are available in Maven Central at <http://releases.controlsfx.org>:  
    groupId : org.controlsfx  
    artifactId : controlsfx
- Our CI server pushes latest snapshots every hour to <http://snapshots.controlsfx.org>



# How To Contribute



- ControlsFX is open source
- ControlsFX has a CLA that needs signing (<http://cla.controlsfx.org>)
- Everyone works in their own fork
- All contributions are submitted as pull requests
- Pull requests are reviewed and merged ASAP.

# How To Contribute



- Pull request stats:
  - Jonathan is naughty – he commits directly to the repo
  - Everyone else:
    - Over 550 pull requests have been merged
    - Around 50 have been declined
    - Another 11 or so are pending review

# What Should You Contribute



- Anything!
  - (although acceptance is not guaranteed)
- If in doubt, post to controlsfx-dev and ask
- Bug fixes, javadocs, samples are just about always welcome.
- New features can be discussed on a per-feature basis
  - Our focus on quality means we don't want to accept all features



Future Plans

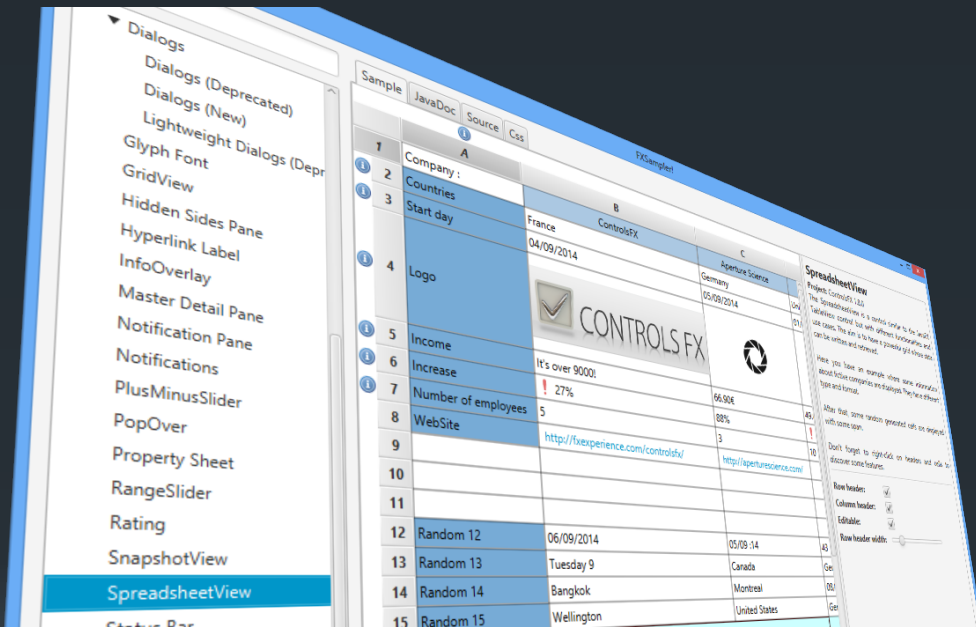
# Future Plans

- We have a lot still to do! Ideas include:
  - Improve Scene Builder support
  - Accessibility support (using new a11y API in JavaFX 8u40)
  - Research / implement a GlassPane API
    - Rewrite decoration / validation API to use this
    - Reintroduce lightweight dialogs
  - TableView improvements
    - Improved search / filter tools
  - Docking framework

# Future Plans - JideFX



- JIDE Software has contributed all their JideFX work to ControlsFX
- JideFX is a huge collection of UI controls and API, including:
  - **JideFX Common:** Searchable, IntelliHints, ShapedPopup and a bunch of utilities
  - **JideFX Converters:** Collection of ObjectConverters (compatible with JavaFX StringConverter)
  - **JideFX Comparators:** Collection of comparators
  - **JideFX Decoration:** Inject a decoration node to any existing node without affecting the layout
  - **JideFX Validation:** Provides complete validation support for any JavaFX controls
  - **JideFX Fields:** Contains several TextField and ComboBoxBase subclasses such as MaskTextField, FormattedTextField, many PopupFields, FormattedComboBoxes, and Spinners for different data types.



# Wrapping Up

# Conclusion

- ControlsFX is a growing project
- It depends on the community
  - Don't be a passive user – get active and help grow the project!
- Development is done in lieu of family time, and is unpaid
  - Expectations should be calibrated accordingly.
  - ControlsFX would gladly accept donations from generous benefactors
- Show your appreciation by ranking this session highly!





# CONTROLS FX

**Thanks for attending!**  
**Question Time!**

<http://www.controlsfx.org>

<http://code.controlsfx.org>

<http://groups.controlsfx.org>