

Develop an RSS Reader App using Java

The task is to develop an RSS+Atom reader application using Java software stack. You may use any RSS/ATOM libraries or XML libraries. You may use any user interface libraries Swing/AWT/JavaFX. The goal is to finish the full featured client side only Rss Reader.

- What is RSS (<https://en.wikipedia.org/wiki/RSS>)
- Example RSS sources <http://www.nerds2nerds.com/?feed=rss2> or http://www.shacknews.com/rss?recent_articles=1 for RSS, <http://www.nerds2nerds.com/?feed=atom> for Atom.
- The application should support the following features:
- Mandatory requirements
 - Adding RSS/RSS2/ATOM feed source
 - Removing RSS/RS2/Atom feed source
 - Displaying all sources for news
 - Displaying all news (ordered by Date)
 - Displaying only unread news (ordered by Date)
 - Showing the content of a news and navigating between news (next, previous)
- Optional requirements
 - To be able to add more then 1 feed source
 - To switch between display only unread news and all news on the fly
 - Automatically to mark a news as read if you saw it.
 - To have transition animations
 - To be localizable

Tuesday, January 12, 2016

Example application for such a reader (no login or anything required) may look like this:



Here we have 3 columns the left one are the sources, the middle one are the news titles ordered by date, the right one displays information about unread posts/news.

The UX is up to you, the user interface, animations, actions, buttons, images and the look as a whole is your decision.

In the example application on the left side we may select and filter by source.. if we want to see ALL or a specific site news only. It displays the count of all unread news as well.

On top we may select between show all and show only unread via an custom control. You may use toggle button, or two buttons for such functionality, or checkbox in the File Menu if you decide to have file menu.

On the middle side if we select any news we see the content of the news on the right side. This content is shown only as text + image if there are only images. Basically it displays the following information:

Title (clickable opening a browser with the news)

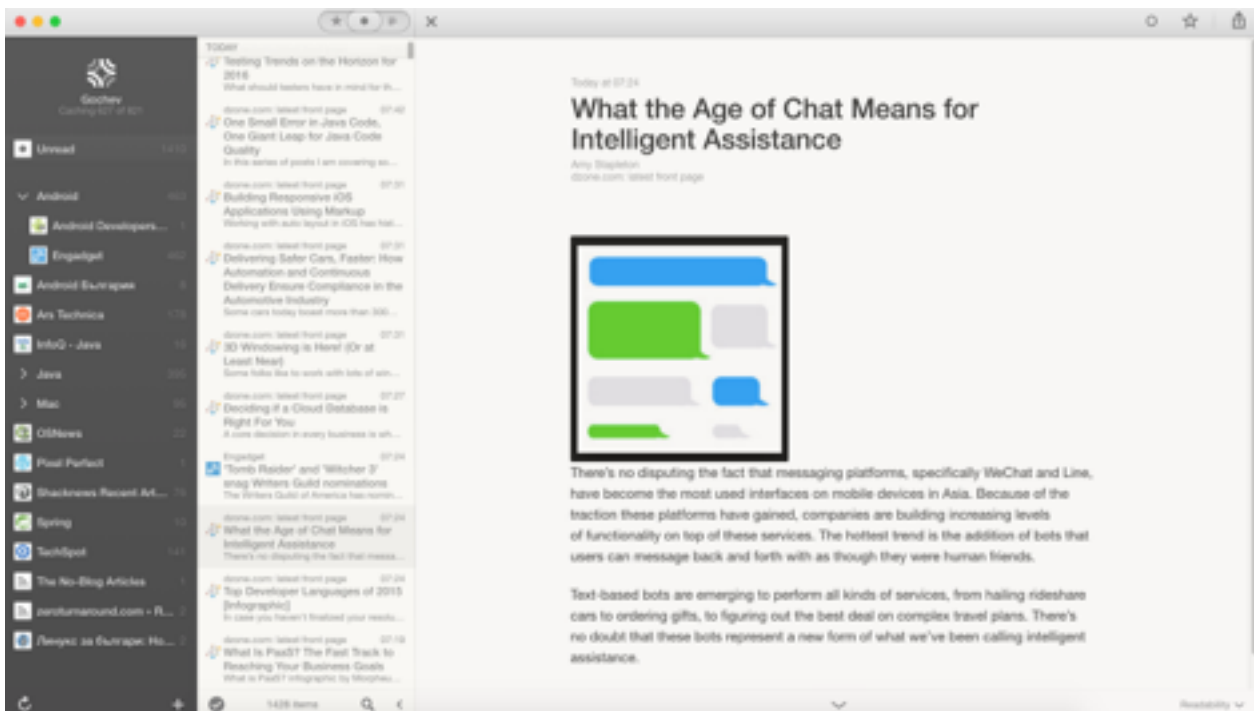
Date

Author

Summary.

Tuesday, January 12, 2016

Post that is opened looks like this:



There should be an option to show the content as full page content (in browser or in WebView)

For example in this app if we hit arrow down/up we navigate between news.

If we hit arrow right/left we navigate between reader view and web view.

The web view looks like this:



Tuesday, January 12, 2016