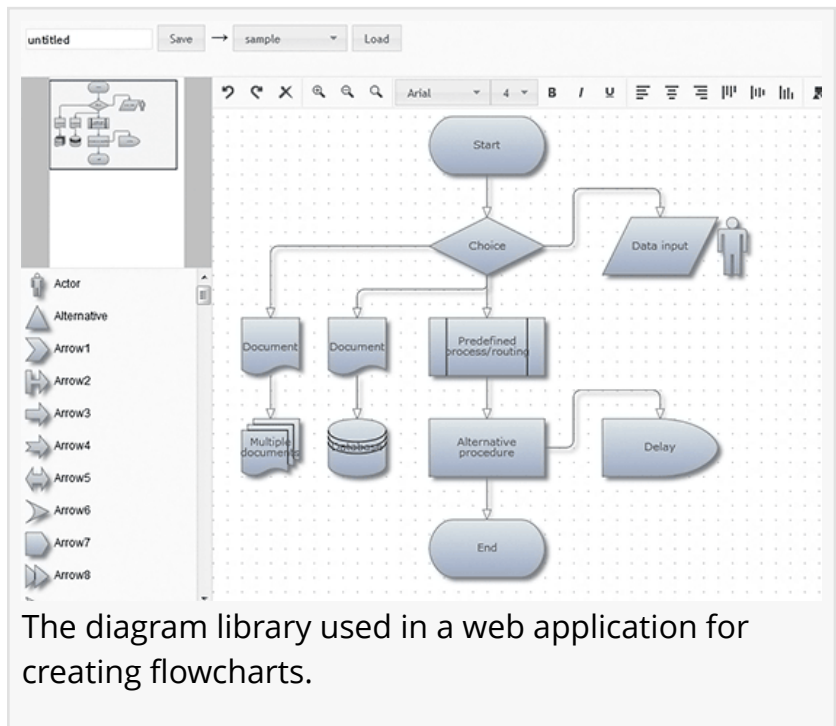


MindFusion Releases Diagram Library for JavaScript, V4.0

MindFusion has made a major release of its popular diagram library for JavaScript publicly available. The new version is compatible with the ES6 code standards.

SOFIA, BULGARIA, November 11, 2021 /EINPresswire.com/ -- Diagramming for JavaScript, V4.0 is released with the following new features and improvements:

ES6 modules, classes and properties JsDiagram source code has been refactored following ES6 standards, including modules, classes, properties and native collections. ArrayList, Dictionary and Set classes from MindFusion.Collections namespace have been removed, and replaced by respective JavaScript native Array, Map and Set. Get/set functions have been replaced by getter/setter properties, which should help using the [diagram](#) API with binding expressions of various JS frameworks.



The diagram library used in a web application for creating flowcharts.

“

A free unlimited trial version of the library can be downloaded from <https://mindfusion.eu/javascript-diagram.html>. Learn more about MindFusion at <https://mindfusion.eu/company.html>”

MindFusion LLC

Diagram view

The Diagram control has been refactored into two classes. What remains of Diagram is now just a model class that defines diagram structure and implements serialization. The new DiagramView class deals with rendering and user interaction. You can show the same diagram in several views, each one rendering at different scroll positions and zoom levels.

TreeView nodes

The TreeViewNode class represents nodes that can display hierarchical data. The root items displayed in the node can

be accessed through the rootItems property. Items can be added and removed individually by

using the `addItem` and `removeItem` methods, or in bulk by calling the `fromObject` method, which loads the tree view items from an array of objects.

Print pagination

The `printPreview` and `print` methods of `DiagramView` let you export the diagram as a list of smaller images in HTML page. Supported options include `printArea` (defaults to diagram's content bounds) and `pageSize` (defaults to `DiagramView`'s viewport). Note that print methods use `HTMLCanvasElement.toDataURL()` internally, so any limitations it has will apply (such as canvas size and CORS).

Orthogonal layout

The `OrthogonalLayout` class implements an orthogonal graph layout algorithm. Each link is drawn as a chain of alternating horizontal and vertical segments. Nodes are placed in a way that facilitates few links bends and crossings. This algorithm was designed for planar graphs where the nodes have at most four incident links, and produces best results with such graphs as input. It can arrange any arbitrary graph as well, by adding some dummy nodes and links to planarize the graph and reduce its vertex degree, and removing them after the layout.

New events

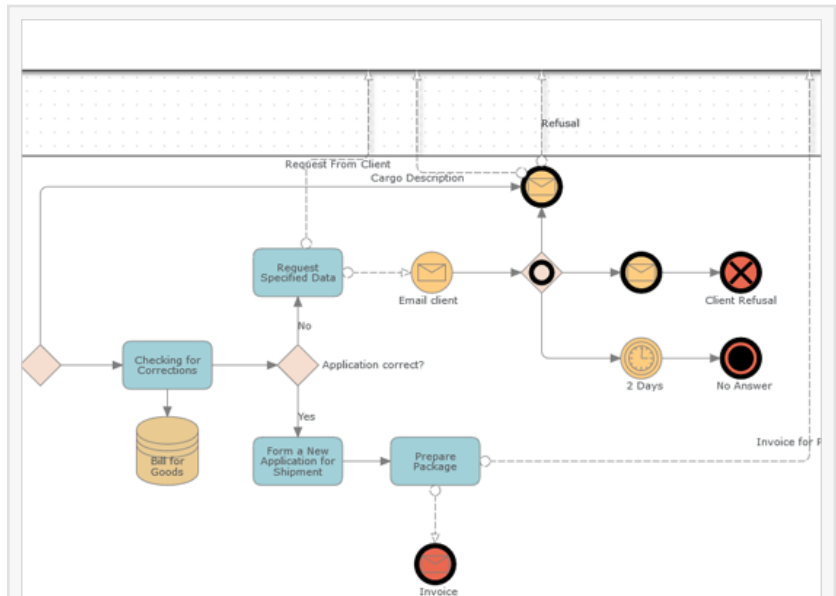
`nodeSelecting`, `linkSelecting`, `selectionChanged` events allow handling of selection interactions. `dataLoaded` is raised when the diagram data is loaded from JSON or XML.

`mouseWheel` is raised when the user rotates the mouse wheel while the cursor is positioned over the diagram surface.

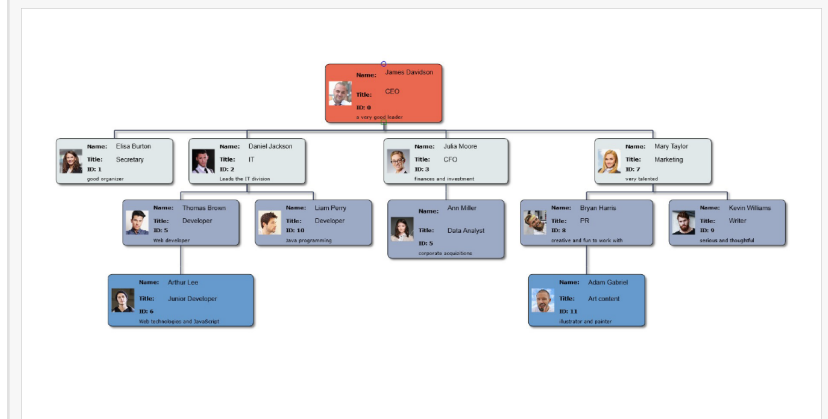
`treeItemTextEditing`, `treeItemTextEdited` allow handling of inplace-edit operations in `TreeViewNode`.

Miscellaneous

The new release also includes a long list of API changes, rotation of `FreeFormNode` instances,



A BPMN diagram built with the diagram library for JavaScript



An org chart built with MindFusion diagramming for JavaScript

improved align of images and many more.

The library is available for Vue, React and Angular. You can use npm to install it.

Diagramming for JavaScript on npm:

<https://www.npmjs.com/package/@mindfusion/diagramming>

Diagramming for React on npm:

<https://www.npmjs.com/package/@mindfusion/diagramming-react>

Diagramming for Angular on npm:

<https://www.npmjs.com/package/@mindfusion/diagramming-angular>

Diagramming for Vue on npm:

<https://www.npmjs.com/package/@mindfusion/diagramming-vue>

Technical support is available on MindFusion's forum, HelpDesk or per email. The licenses are royalty-free and include 12-month subscription for all upgrades that are released.

About MindFusion: For over two decades, MindFusion has successfully provided cutting-edge [programming](#) components that greatly increase developers productivity. Built with passion and commitment, the controls create value for customers from all types of industries and company sizes.

The company started in 2000 with a single ActiveX flowchart control and has since then expanded into offering components for more than 10 platforms - desktop, web and mobile. MindFusion components aim to provide software developers with easy-to-use solutions for complex and time-consuming features of their applications like scheduling, diagramming, reporting, charting and spreadsheets.

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