TriUlti
iFlowEdit
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Weekly Report #6

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This report is about mapping the technologies that will be used and the functionalities which are provided to users of iFlowEdit. As it is mentioned before, the technologies that will be used are HTML5, JavaScript, CSS, Ext-JS, ProcessingJS, XAML and JSON. HTML5, CSS, JSON and XAML affect functionality indirectly, while JavaScript, Ext-JS and ProcessingJS affect functionality directly.

The ones that have indirect effect:

HTML5 will be used to create everything on the user GUI and administrator GUI. Stencil set, work flow, properties box and buttons are some of them.

CSS will be used to give a better look and feel to the user GUI and administrator GUI. Colors, shapes and borders are some of them.

JSON will be used as a message which is shuttled between client side, e.g., user and administrator, and server side.

XAML will be used to store the information of the work flow. It will be used by INNOVA IT with WF.NET.

The ones that have direct effect:

JavaScript will be used to perform user and administrator actions. Specifically, JavaScript will be used to perform button clicks and key presses, to create JSON objects and send them to server, to get JSON objects from server, to change colors, shapes and other design features, to update properties box in the user GUI.

Ext-JS will be used to build skeleton of the user GUI and administrator GUI. It will be also used to add drag and drop functionality to activities in the stencil set. Moreover, it will be used to give stencil set an accordion interaction.

ProcessingJS will be used to handle every action that take place on the work flow. Creating, editing and deleting activity instances and connection instances are major responsibilities of ProcessingJS.