Diagram Ring 6.2
User's Manual

Author: Farshad Barahimi

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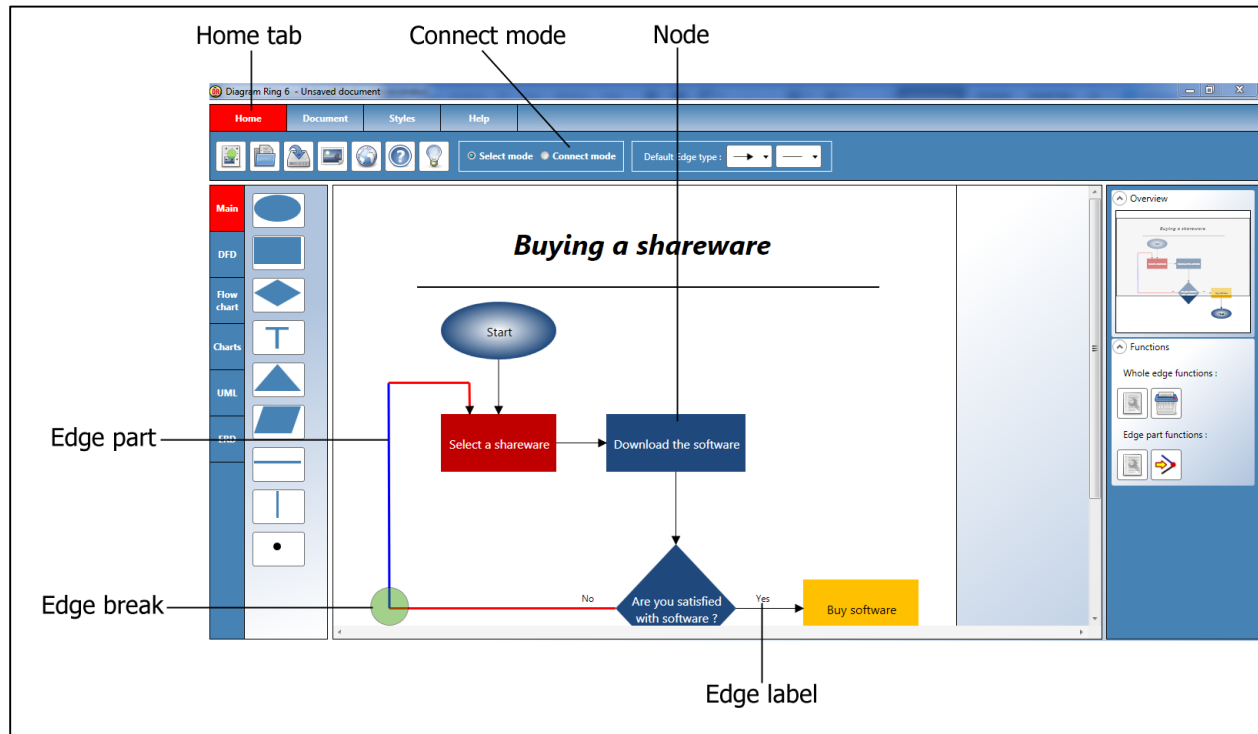
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Table of Contents

Concepts

In "Diagram Ring" we call lines that connect nodes as "*Edge*" s.
Edges can have multiple parts and each part is a straight line. Start of each part is the end of the previous part. We call each part an "*Edge part*" and the intersection points between consecutive parts as "*Edge break*" s.

System requirements

Operating system : Windows XP,Windows Vista,Windows 7, Windows 8 (not Windows RT)
Memory : At least 1 GB of Ram
Prequisite : .Net Framework 4.0 or higher
Graphic card : DirectX 9.0c compatible graphic card

But we recommend running the program on windows 8 and .Net Framework 4.0

Creating new diagram

To create new diagram click on "*New*" button on the "*Home*" tab on the top toolbar. A new diagram will be created.

Opening an existing diagram

To open an existing diagram click on "*Open*" button on the "*Home*" tab on the top toolbar. Select the file you want to open and click the open button.

Saving a diagram

To save a diagram click on "*Save*" button on the "*Home*" tab on the top toolbar. Select the file location and click the save button.

Adding a new node

To add a new node, click on a symbol on the left side toolbar. The mouse will be automatically moved inside the diagram area. Move your mouse to position the node. When node is in its appropriate position, left-click and the new node will be placed there. You can cancel the process by clicking the right mouse button.

Connecting nodes

In "Diagram Ring" we call lines that connect nodes as "*Edge*" s.
Edges can have multiple parts and each part is a straight line. Start of each part is the end of the previous part. We call each part an "*Edge part*" and the intersection points between consecutive parts as "*Edge break*" s.

To add a new edge, click on the "*Connec mode*" radio button on the "Home" tab on the top toolbar. Small circles which we name them "*Connection Point*" s appear on all nodes.
On your source node, click on a *connection point*. Without holding your mouse down, move your mouse to desired place for the next edge break and click. Continue this procedure until and at the end click on a *connection point* on your destination node and the new edge is added

Changing node styles

Styles change the background color and label font color of the selected nodes. To change the style of some nodes just select the nodes you want to change their style and click on your desired style on the "*Styles*" tab on the top tool bar.

Changing node properties

To change properties of a node select the node and press "*Enter*" key. "*Node Properties*" window shows. You can change width, height, background color, label and label font. Click "*Ok*" to apply the changes.

Duplicating nodes

To duplicate a node select the node and press the "D" key. The new node is created in the same position. You can move it your desired position.

Adding edge labels

Each edge part can have multiple labels. Each label is specified by its text and the following three factors:

1. ***Position from start:*** specifies the distance of the label from beginning of the edge part. This distance is specified in percent so that when the edge part length changes the position of the label is changed automatically.
2. ***Distance from the line:*** This factor specifies how much the line and the label will be close together.
3. ***Clockwise or Counterclockwise:*** this factor specifies which side of the line the text should appear.

To add an edge label select an edge part and press "*Enter*" key. "*Edge Part Properties*" window shows up. Specify parameters and click on the "*Add edge label*" button.

Changing edge properties

To change edge properties select an edge and press "*Space*" key. "*Edge Properties*" window shows up. You can change the edge end symbols and the edge brush. Click on "*Close*" button to close the window.

Breaking edge parts

To break an edge part, select an edge part and press "B" button.

Moving objects

To move an object (a node or an edge part or an edge break) first select it and then drag the object.

Removing nodes

To remove a node or nodes select a node or nodes and press "Delete" key.

Removing edges

To remove an edge, select an edge and press "Delete" key.

Removing edge breaks

To remove edge breaks select an edge break and press "Delete" key.

Changing node orders

To change node orders (which one appears on the front when they overlap) select a node and on the right side of the window click on "*Bring into front*" or "*Send to back*" button.