Feature Requirement & Specification Document

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# Review details

|  |  |  |
| --- | --- | --- |
| Date | Reviewed By | Comments |
|  |  |  |
|  | Keerthivasan R | Need to provide tooltip support for symbols in symbol palette in blazor diagram control. |
|  |  |  |
|  |  |  |

# Title

Need to provide tooltip support for symbols in symbol palette in blazor diagram control.

# Use case scenario

|  |  |
| --- | --- |
| **Use case scenario** | **Description** |
| Need to provide tooltip support for symbols in symbol palette. | Need to provide tooltip support for symbols in symbol palette. It is used to show some additional information for symbols in symbol palette. |
|  | Check all possible scenarios for tooltip support in symbol palette. |
|  |  |
|  |  |
|  |  |
|  |  |

# Requirements

In blazor diagram, there is no tooltip support for symbols in symbol palette. Now we have provide the tooltip support for symbol palette.

1. Need to provide tooltip support for symbols in symbol palette.
2. It will give some additional information when we mouse hover on the element.
3. Need to implement the tooltip properties in symbol palette.

# Existing Features

* Diagram does not have a padding support for group nodes.

# Competitors Link

|  |  |
| --- | --- |
| **Competitors details** | **Reference Link** |
|  |  |
|  |  |

# Reference Link

Proposed Implementation

Prototype

|  |
| --- |
| @using Syncfusion.Blazor.Diagram  @using Syncfusion.Blazor.Diagram.SymbolPalette  @using Syncfusion.Blazor.Popups  <div class="control-section">  <div style="width:20%">  <div id="palette-space" class="sb-mobile-palette" style="border: 2px solid #b200ff">  <**SfSymbolPaletteComponent** @ref="@SymbolPalette" **Height**="300px" **Width**="200px"  **Palettes**="@Palettes" **SymbolHeight**="60" **SymbolWidth**="60" **SymbolMargin**="@SymbolMargin">  </**SfSymbolPaletteComponent**>  </div>  </div>  </div>  @code  {  SymbolMargin SymbolMargin = new SymbolMargin  {  Left = 15,  Right = 15,  Top = 15,  Bottom = 15  };  SfSymbolPaletteComponent SymbolPalette;  //Define palettes collection.  DiagramObjectCollection<Palette> Palettes = new DiagramObjectCollection<Palette>();  // Defines palette's flow-shape collection.  DiagramObjectCollection<NodeBase> PaletteNodes = new DiagramObjectCollection<NodeBase>();  protected override void OnInitialized()  {  InitPaletteModel();  }  private void InitPaletteModel()  {  CreatePaletteNode(NodeFlowShapes.Terminator, "Terminator","Terminator is used to denote the start and end of the process");  Palettes = new DiagramObjectCollection<Palette>()  {  new Palette(){Symbols =PaletteNodes, Title="Flow Shapes", ID="Flow Shapes" },  };  }  private void CreatePaletteNode(NodeFlowShapes flowShape, string id, string content)  {  Node node = new Node()  {  ID = id,  Shape = new FlowShape() { Type = NodeShapes.Flow, Shape = flowShape },  Style = new ShapeStyle() { Fill = "#6495ED", StrokeColor = "#6495ED" },  Tooltip=new DiagramTooltip()  {  Content=content,  ShowTipPointer=true,  Position=Position.BottomCenter  }  };  PaletteNodes.Add(node);  }  } |

Test driven development

Should create a test cases with 100% coverage of expected and unexpected behaviour validation.

Cover the testcase for all the use case scenarios have mentioned above.

User Stories

|  |  |  |
| --- | --- | --- |
| S.no | Feature | Story Points |
| 1. | Need to provide tooltip support for symbols in symbol palette | 4 |

Implementation Conclusion

Fill the positives and negatives faced during implementation.