Canopy Graph

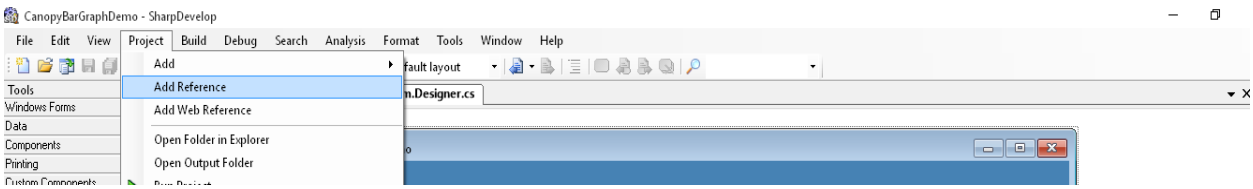
Canopy Graph is a DLL that I developed for the Creation of Visual Graphs of the softwares I developed. It can be used for Developing C# Applications by adding it as a reference (CanopyGraph.dll) along with itextsharp.dll (The PDF Tool I used. Note: I did not create and don't claim ownership for itextsharp.dll).

Development Tools

Language: C#

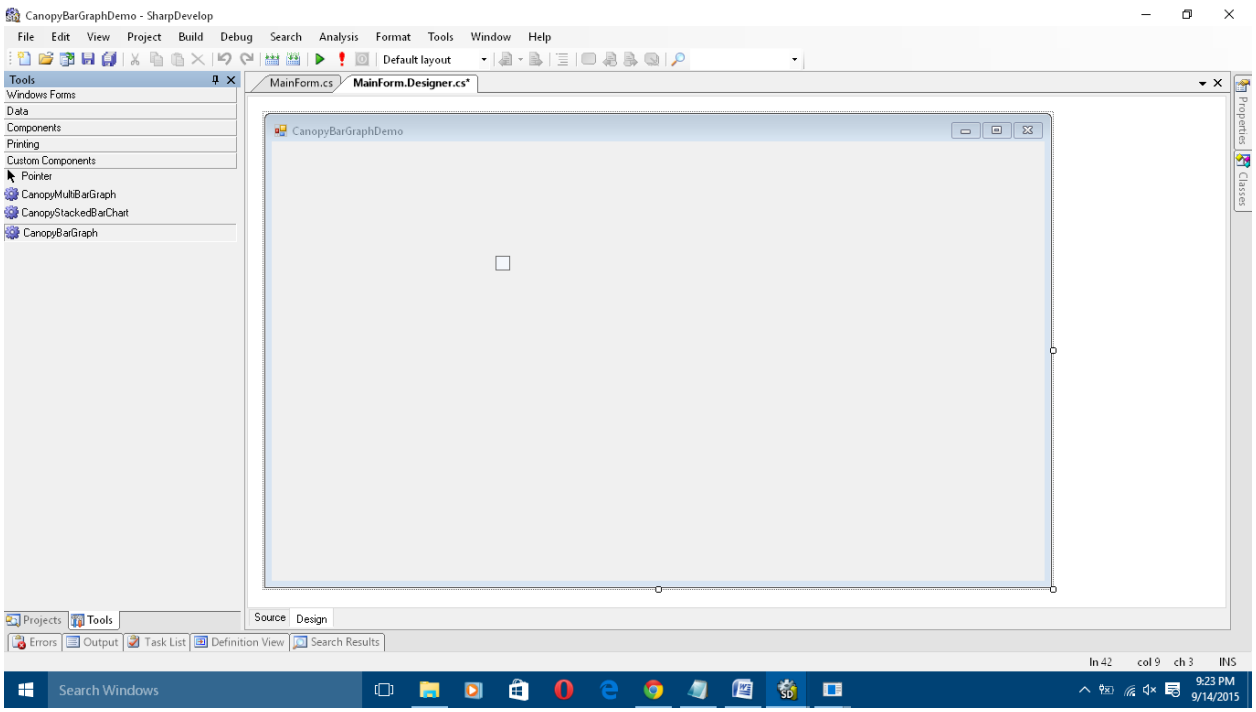
Framework: Framework/Components: .Net Framework 3.5, iTextSharp.dll(For Printing)

Integrated Development Environment: SharpDevelop 3.2

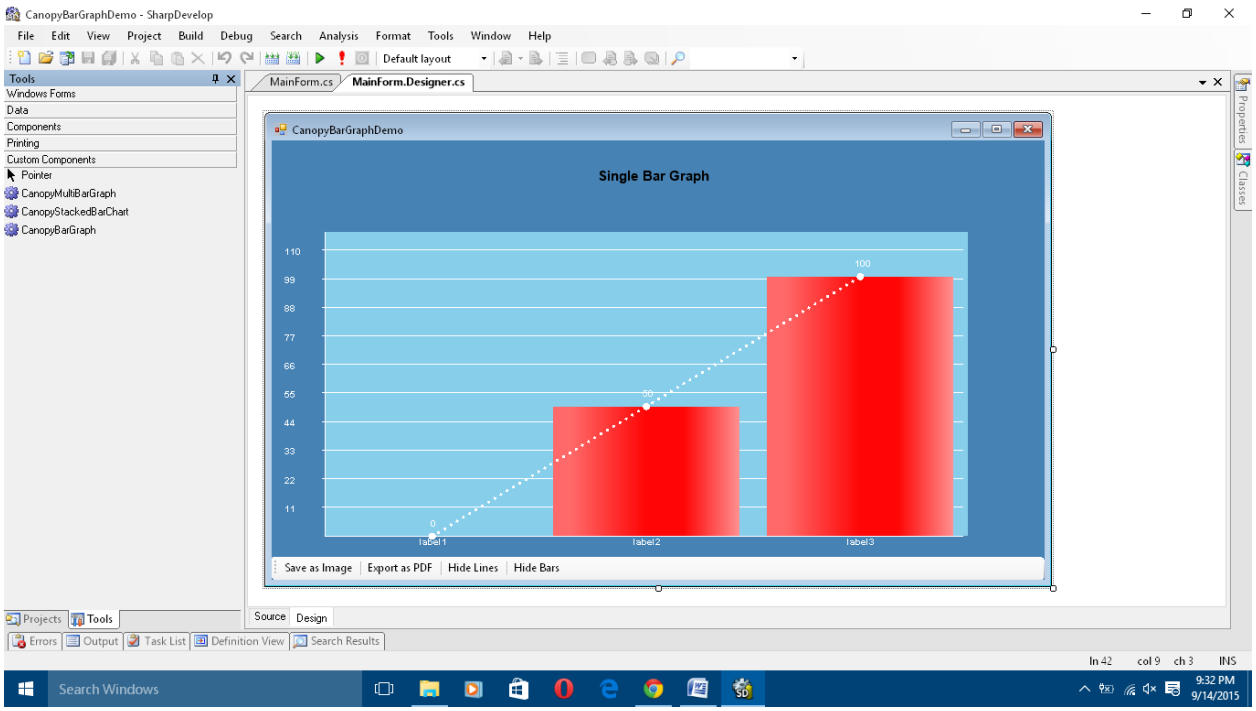


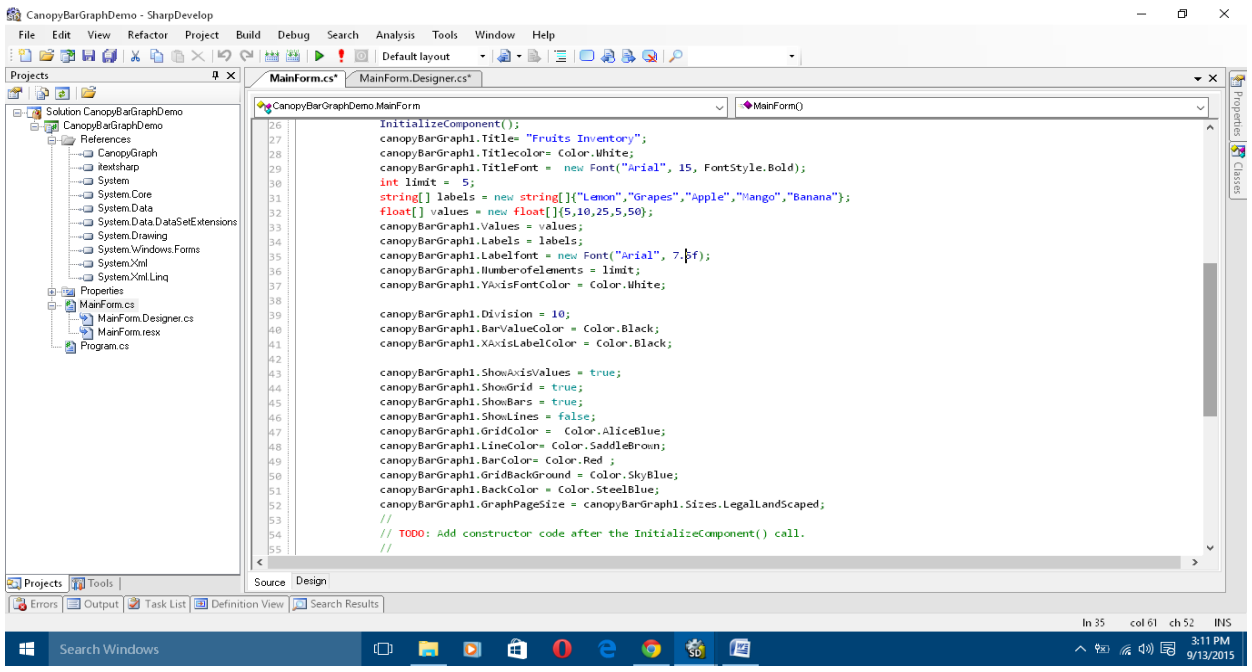
1. Canopy Bar Graph

Usage

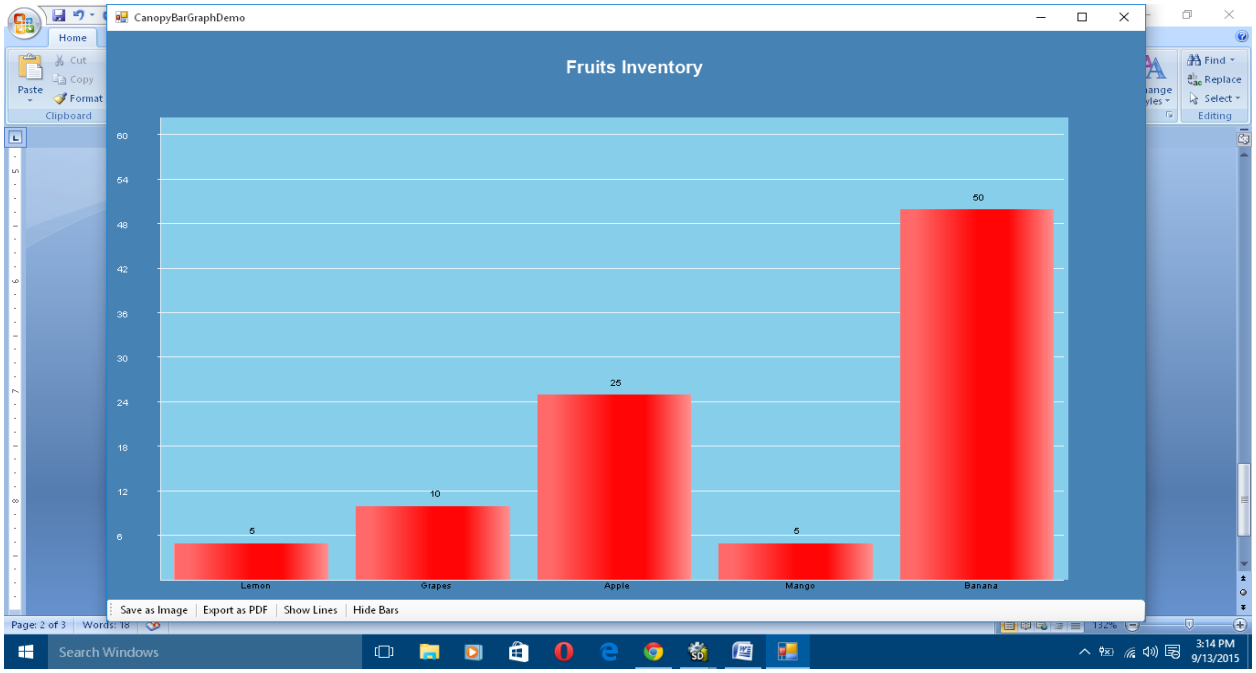


Drag CanopyBarGraph Component to Form

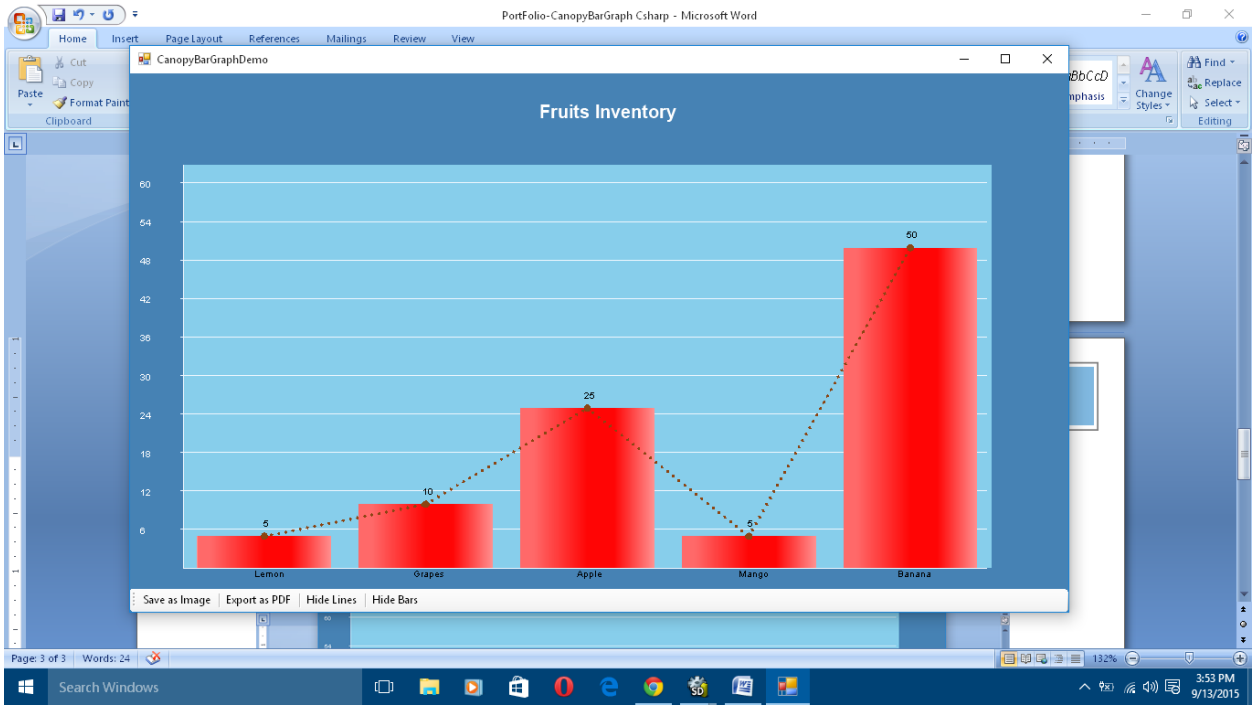




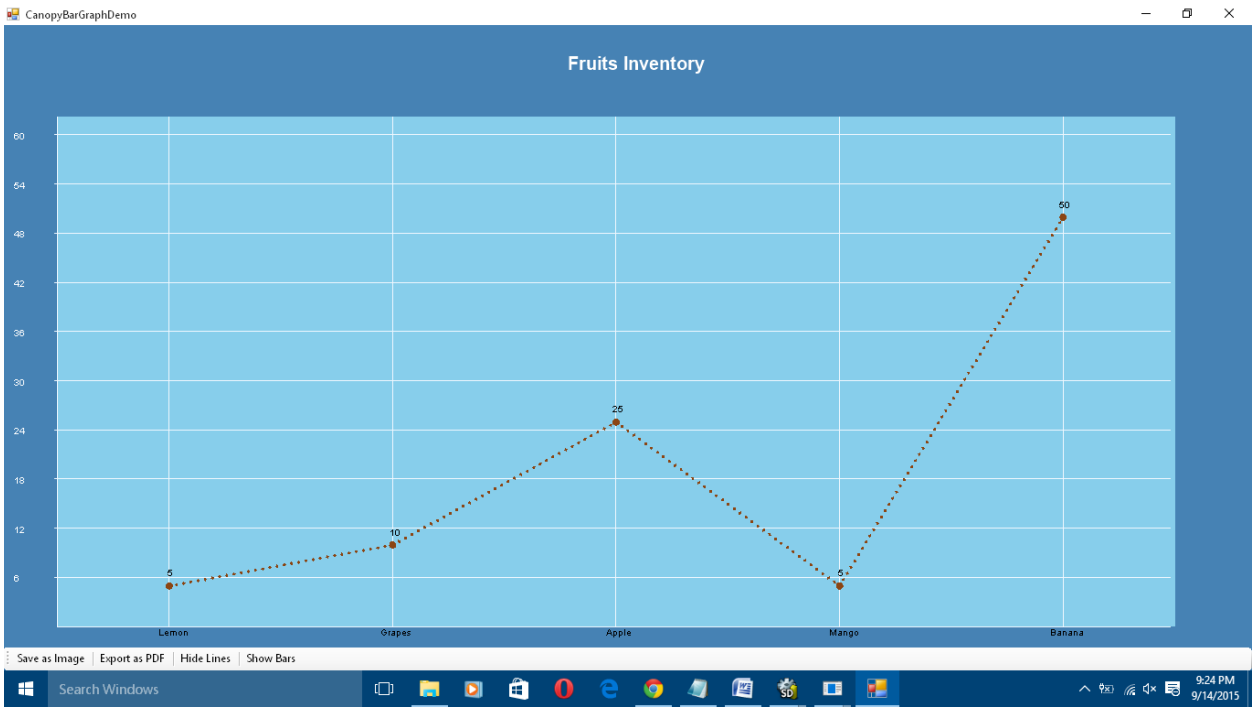
Set canopyBarGraph1's properties' values to the Form's Constructor after the InitializeComponent() call. Then Run.



Without Lines

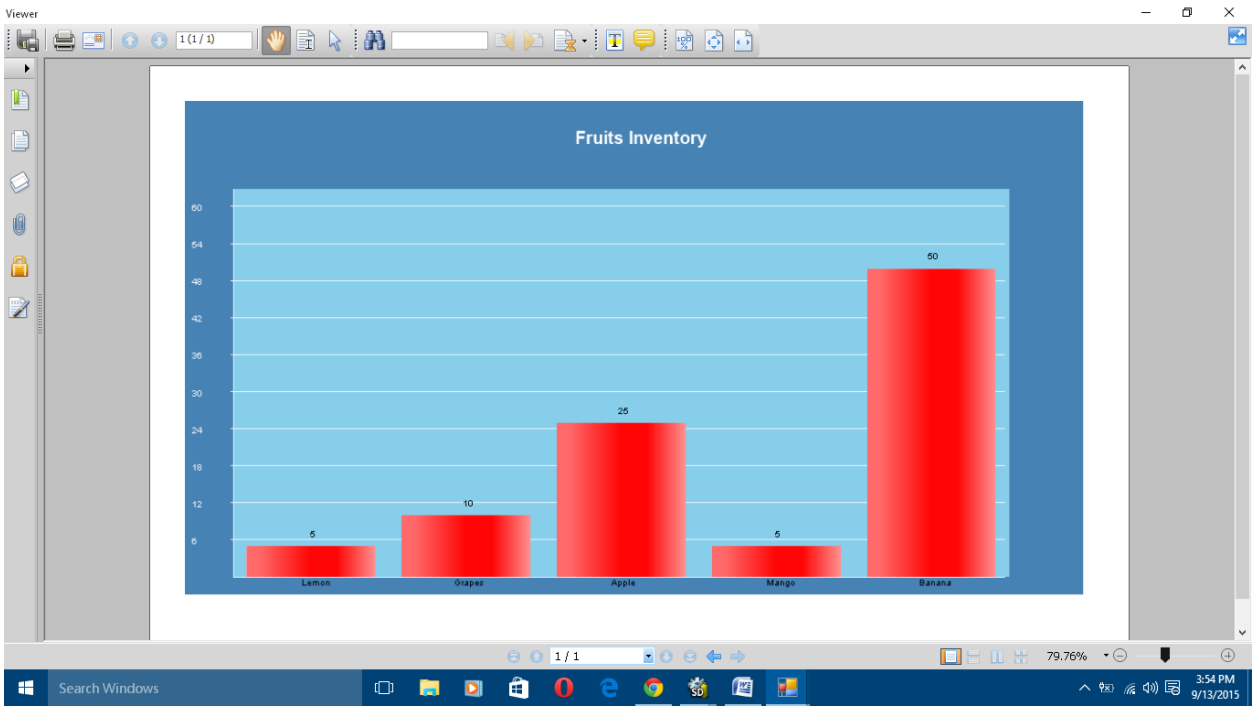


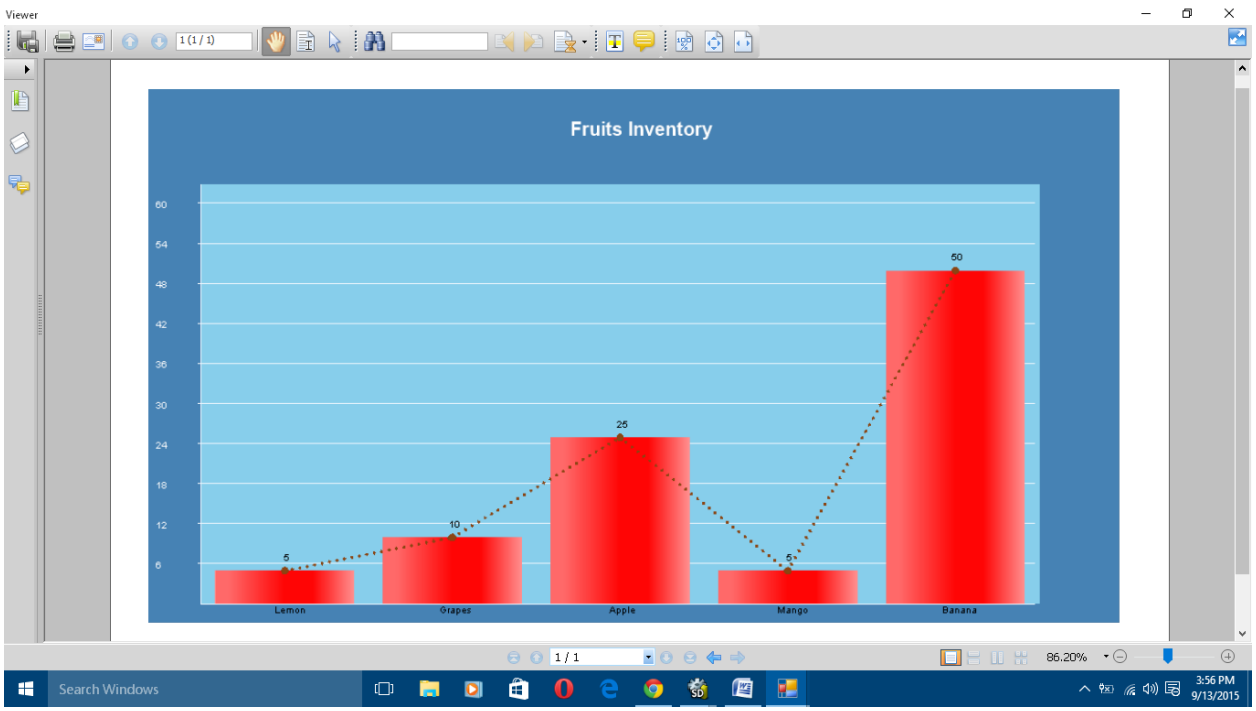
With Lines

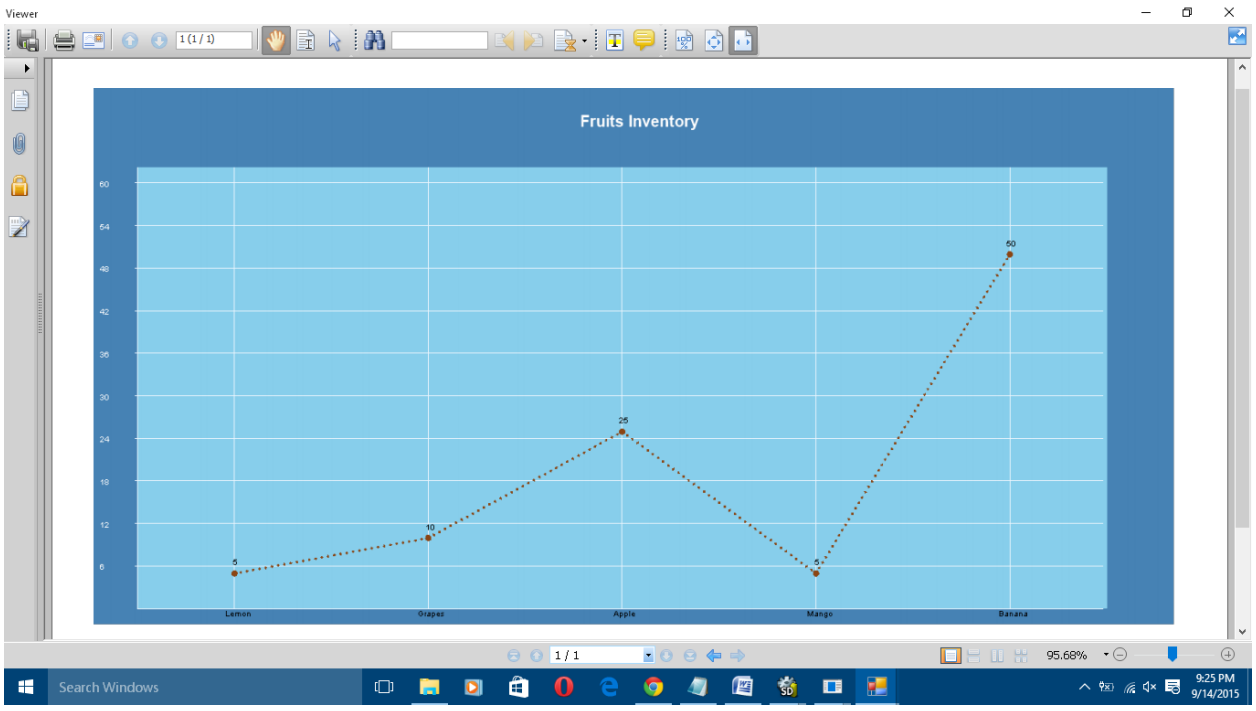


Just Lines

Export as PDF




Viewer
Fruits Inventory
60
54
48
42
36
30
24
18
12
6
5
10
25
5
50
Lemon
Grapes
Apple
Mango
Banana
1 / 1
86.20%
Search Windows
3:56 PM
9/13/2015


Viewer
Fruits Inventory
60
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42
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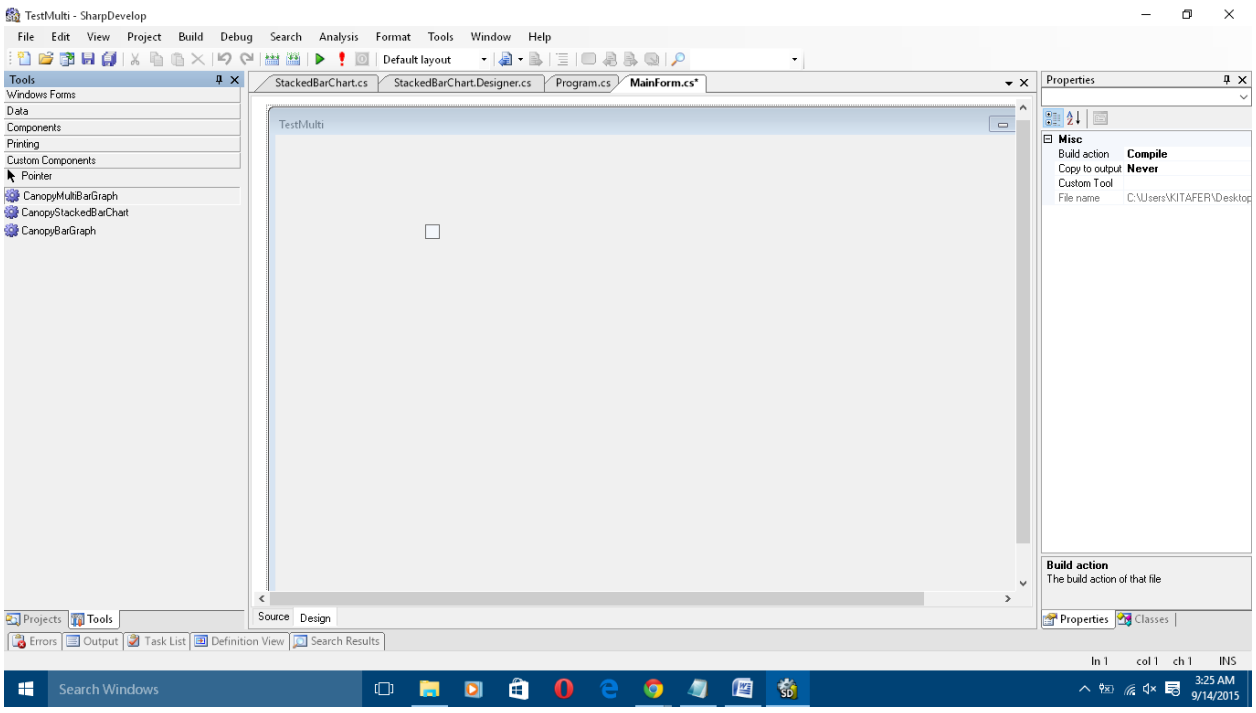
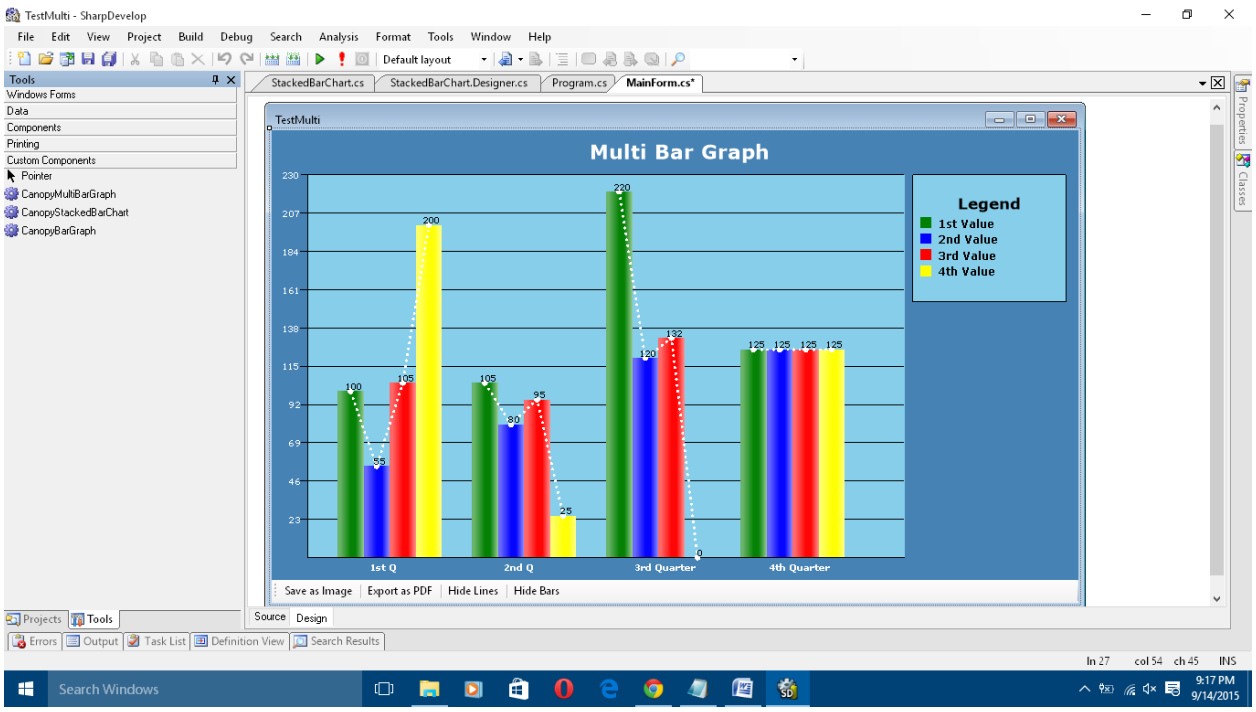
Lemon
Grapes
Apple
Mango
Banana
1 / 1
95.68%
Search Windows
9:25 PM
9/14/2015

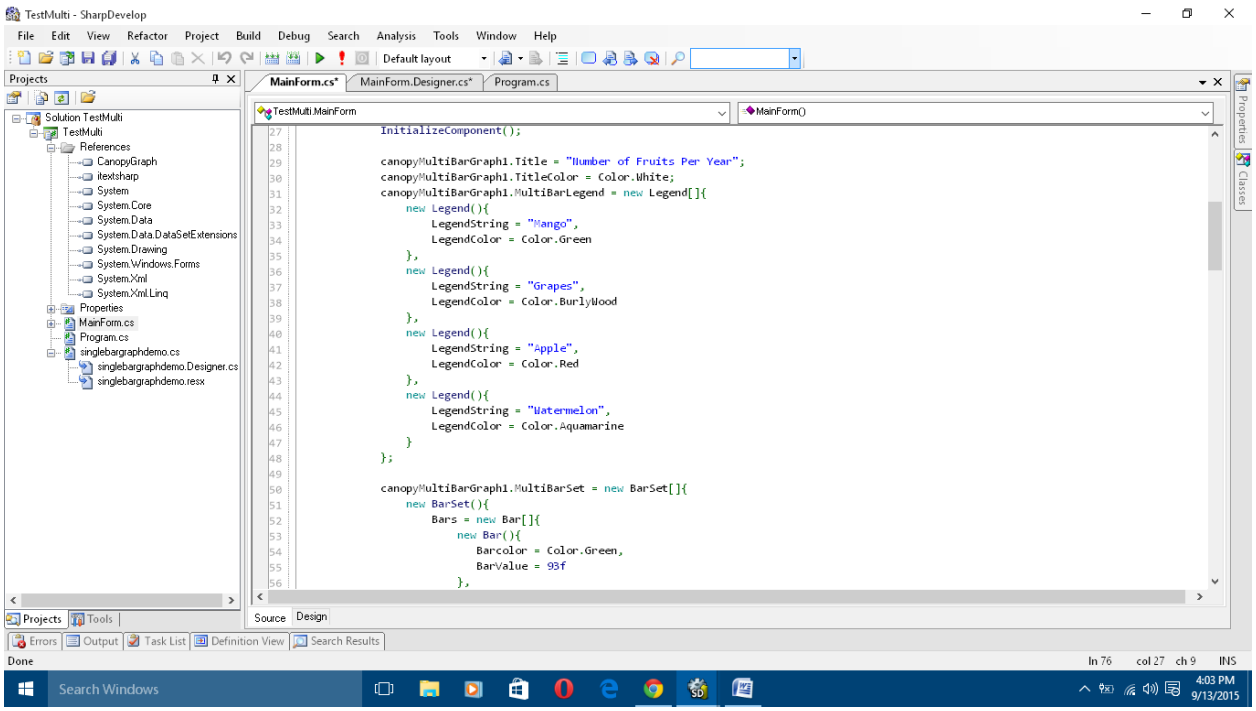
2. Canopy Multi Bar Graph

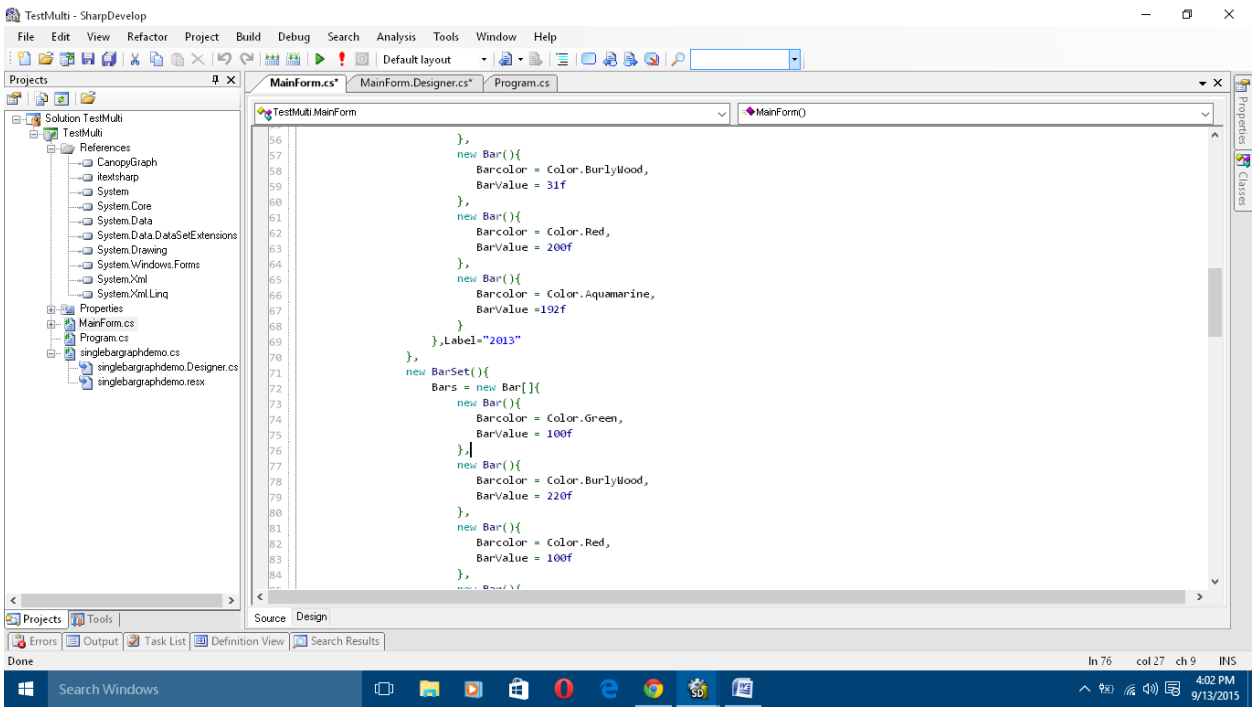
Usage



Drag CanopyMultiBarGraph Component to Form




TestMulti - SharpDevelop
File Edit View Refactor Project Build Debug Search Analysis Tools Window Help
Default layout
Projects
Solution TestMulti
TestMulti
References
CanopyGraph
itextsharp
System
System.Core
System.Data
System.Data.DataSetExtensions
System.Drawing
System.Windows.Forms
System.Xml
System.Xml.Linq
Properties
MainForm.cs
Program.cs
singlebargraphdemo.cs
singlebargraphdemo.Designer.cs
singlebargraphdemo.resx
MainForm.cs*
MainForm.Designer.cs*
Program.cs
TestMulti.MainForm
MainForm()
InitializeComponent();
canopyMultiBarGraph1.Title = "Number of Fruits Per Year";
canopyMultiBarGraph1.TitleColor = Color.White;
canopyMultiBarGraph1.MultiBarLegend = new Legend[]{
new Legend(){
LegendString = "Mango",
LegendColor = Color.Green
},
new Legend(){
LegendString = "Grapes",
LegendColor = Color.BurlyWood
},
new Legend(){
LegendString = "Apple",
LegendColor = Color.Red
},
new Legend(){
LegendString = "Watermelon",
LegendColor = Color.Aquamarine
}
};
canopyMultiBarGraph1.MultiBarSet = new BarSet[]{
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green,
BarValue = 93f
},
Source Design
Errors Output Task List Definition View Search Results
Done
ln 76 col 27 ch 9 INS
Search Windows
4:03 PM
9/13/2015


TestMulti - SharpDevelop
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Projects
Solution TestMulti
TestMulti
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CanopyGraph
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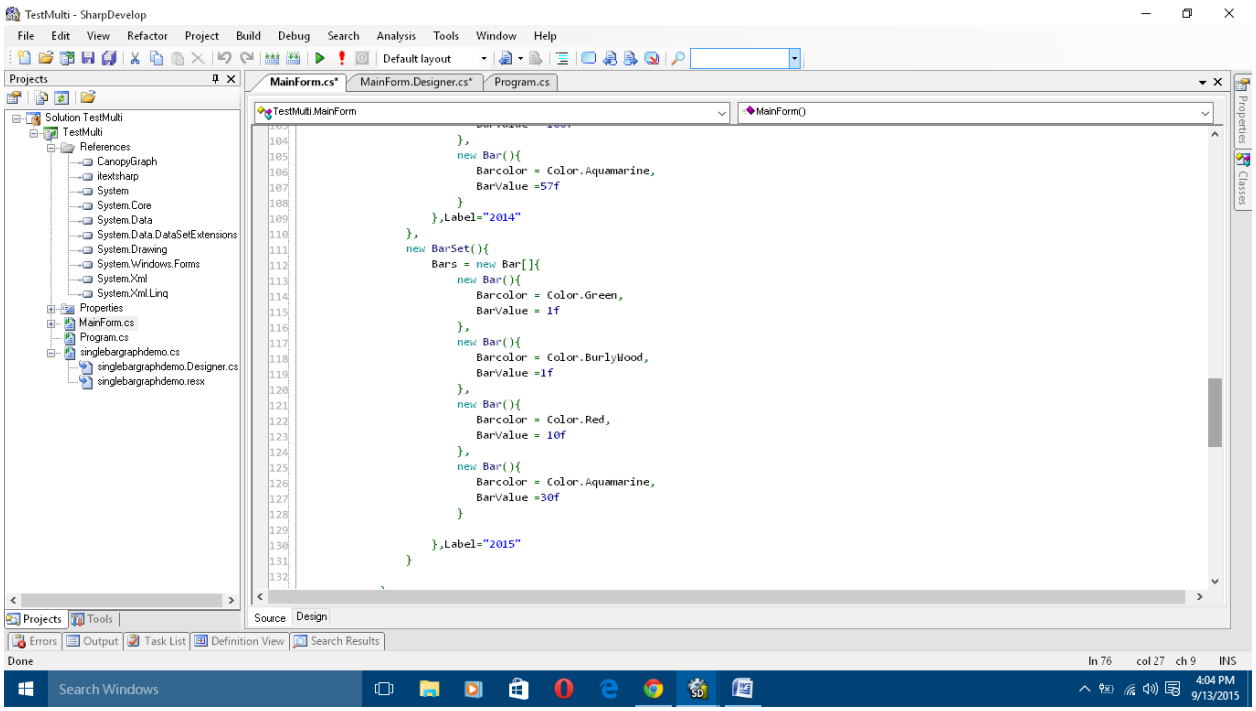
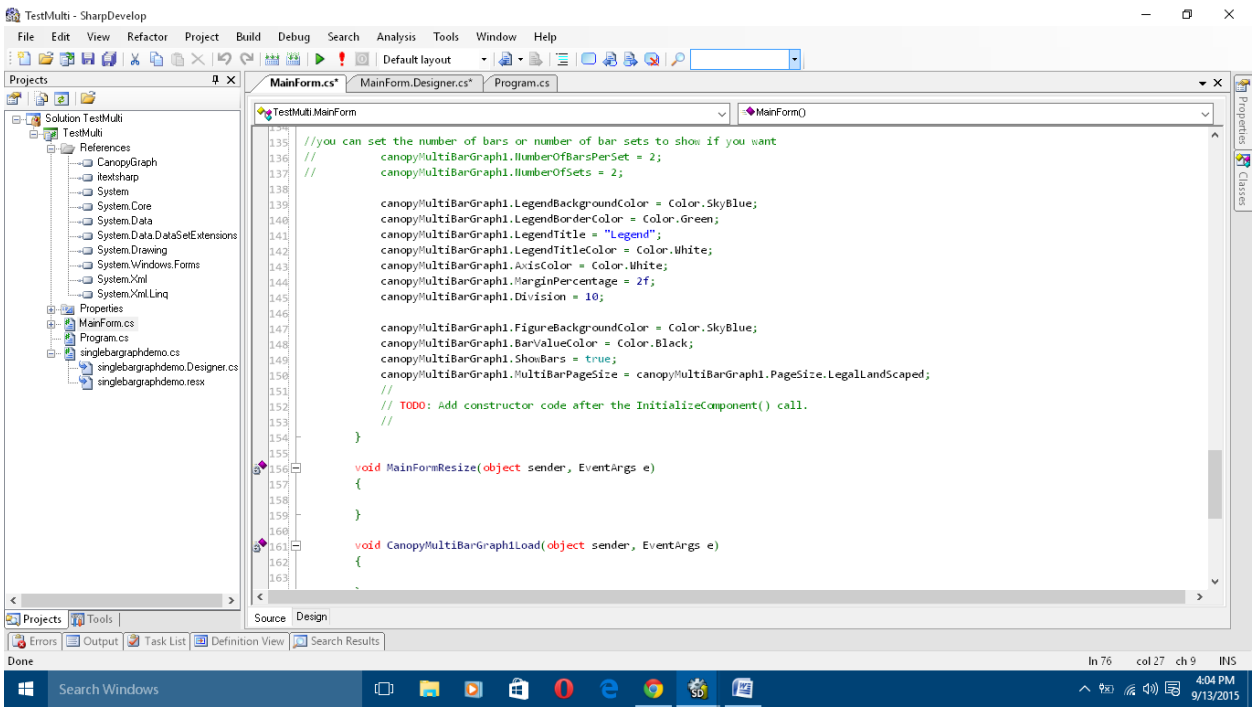
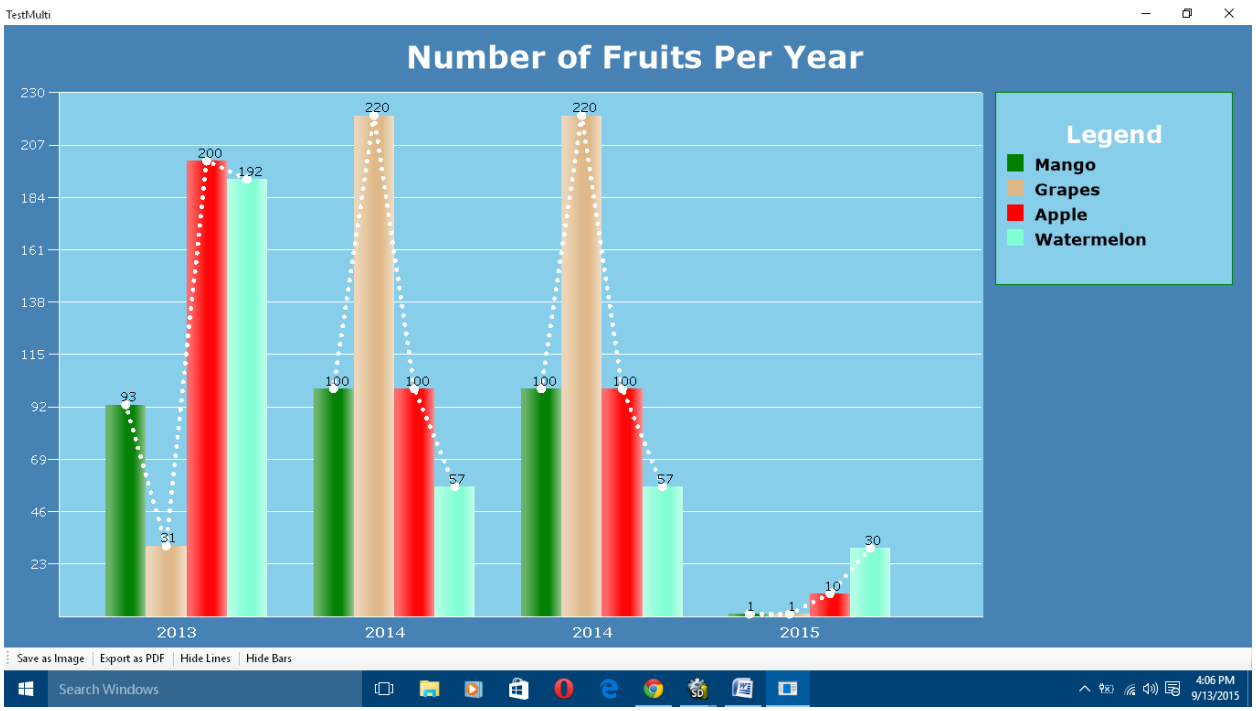
System
System.Core
System.Data
System.Data.DataSetExtensions
System.Drawing
System.Windows.Forms
System.Xml
System.Xml.Linq
Properties
MainForm.cs
Program.cs
singlebargraphdemo.cs
singlebargraphdemo.Designer.cs
singlebargraphdemo.resx
MainForm.cs*
MainForm.Designer.cs*
Program.cs
TestMulti.MainForm
MainForm()
},
new Bar(){
Barcolor = Color.BurlyWood,
BarValue = 31f
},
new Bar(){
Barcolor = Color.Red,
BarValue = 200f
},
new Bar(){
Barcolor = Color.Aquamarine,
BarValue =192f
}
},Label="2013"
},
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green,
BarValue = 100f
},
new Bar(){
Barcolor = Color.BurlyWood,
BarValue = 220f
},
new Bar(){
Barcolor = Color.Red,
BarValue = 100f
},
Source Design
Errors Output Task List Definition View Search Results
Done
ln 76 col 27 ch 9 INS
Search Windows
4:02 PM
9/13/2015

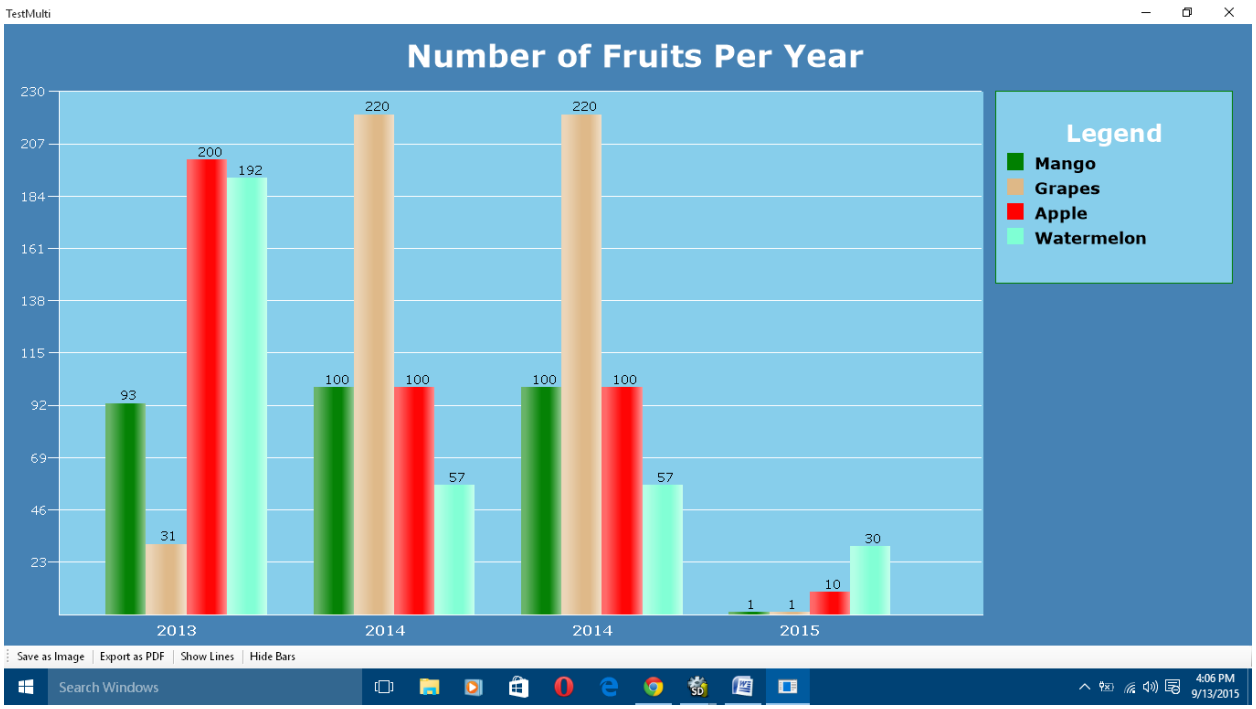




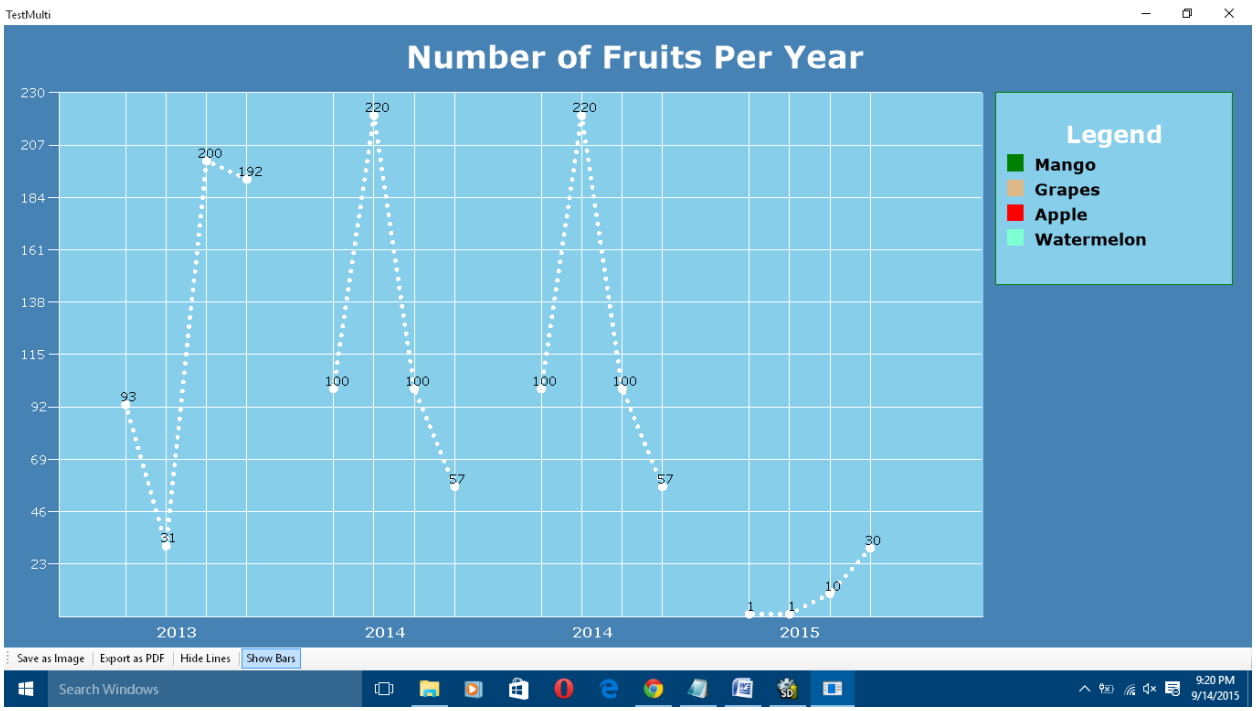
Set canopyMultiBarGraph1's properties' values to the Form's Constructor after the InitializeComponent() call. Then Run.



MultiBars Plus Lines

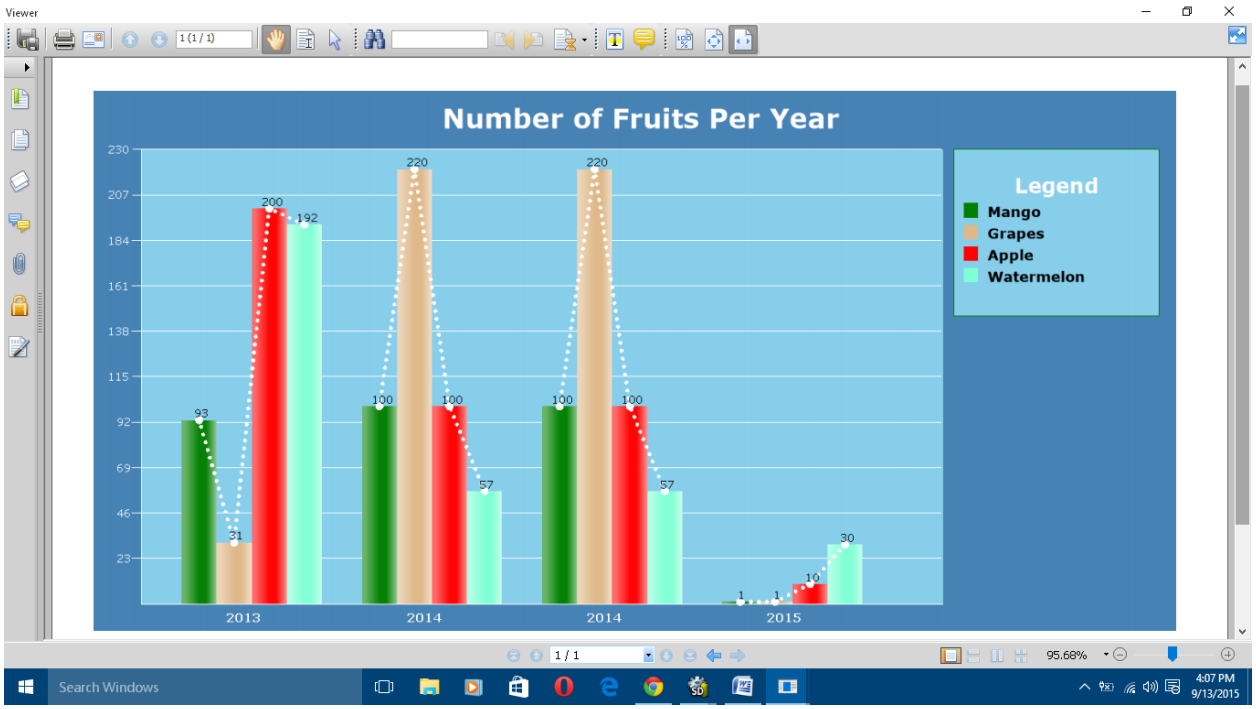


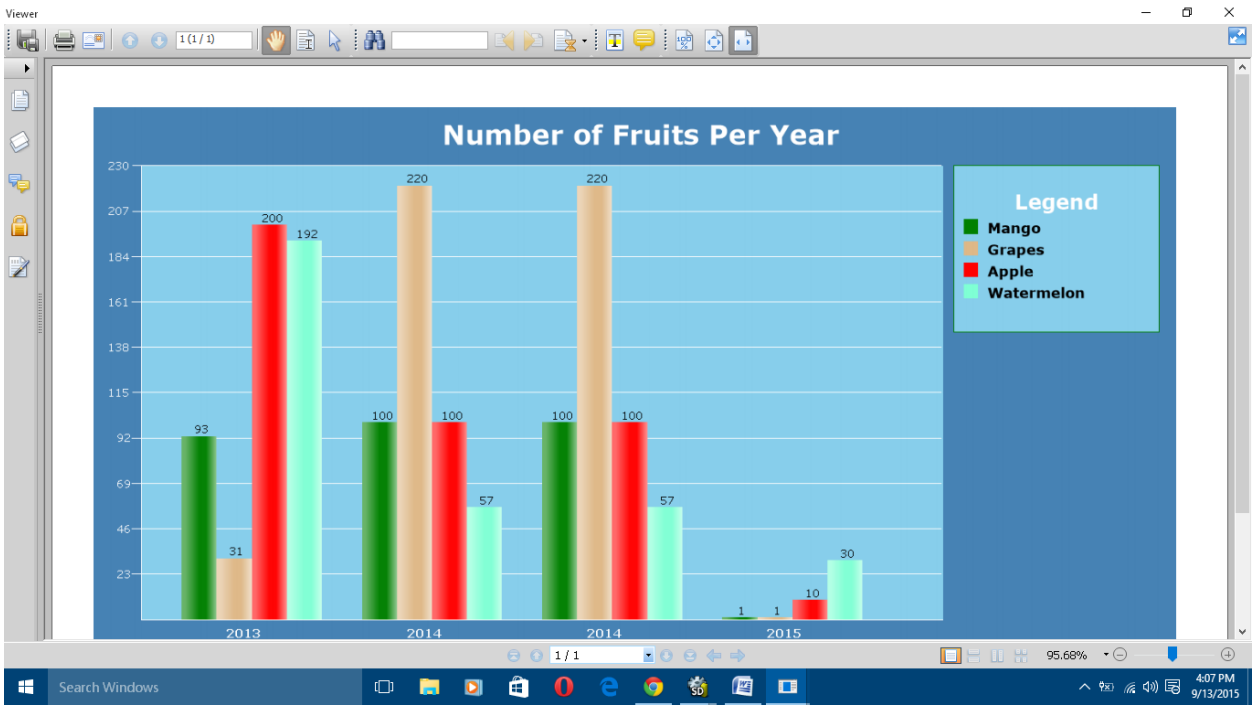
MultiBars without Lines

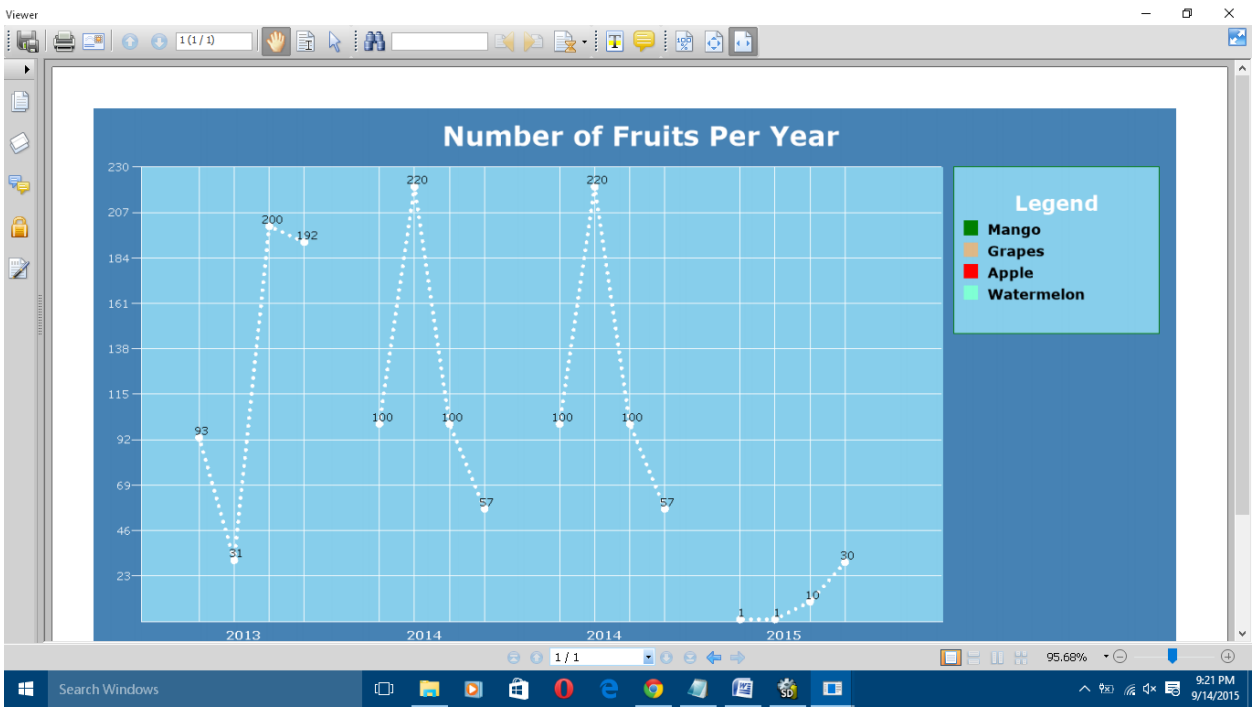

TestMulti
Number of Fruits Per Year
230
207
184
161
138
115
92
69
46
23
2013
2014
2014
2015
93
31
200
192
220
100
100
57
220
100
100
57
1
1
10
30
Legend
Mango
Grapes
Apple
Watermelon
Save as Image
Export as PDF
Hide Lines
Show Bars
Search Windows
9:20 PM
9/14/2015

Just Lines

Export As PDF






Viewer
Number of Fruits Per Year
Legend
Mango
Grapes
Apple
Watermelon
230
207
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Search Windows
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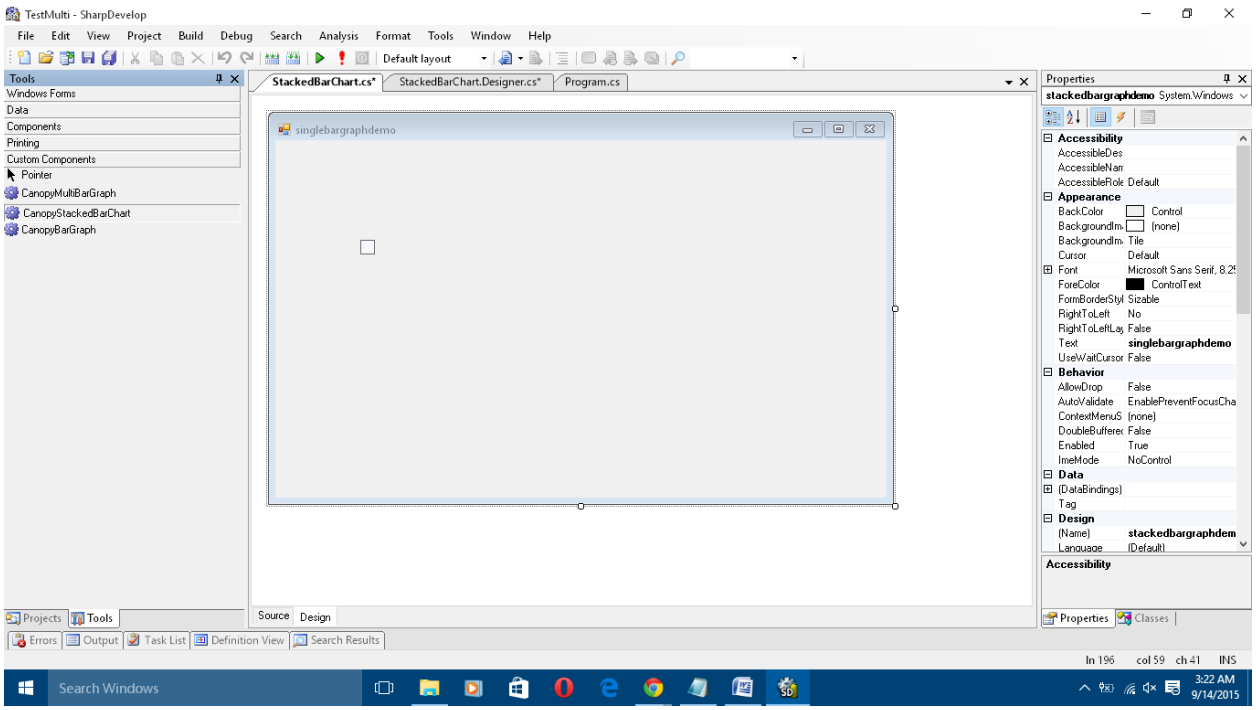
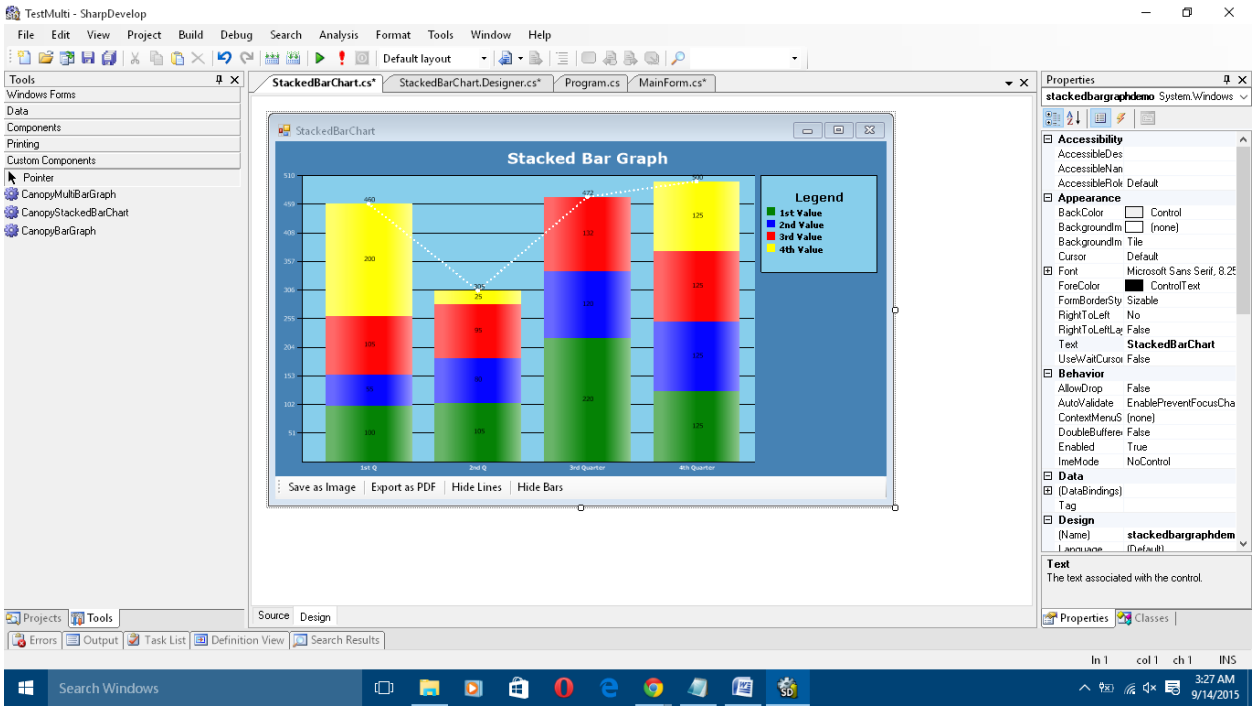
9/14/2015

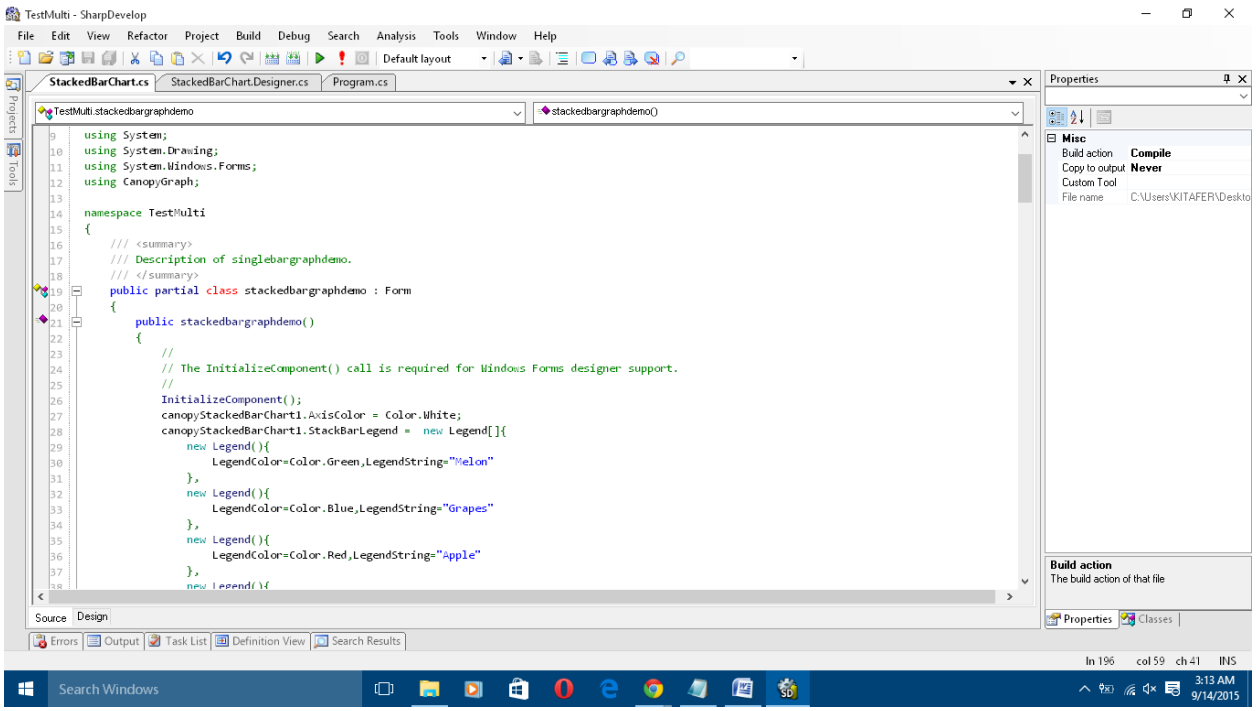
3. Canopy Stacked Bar Chart

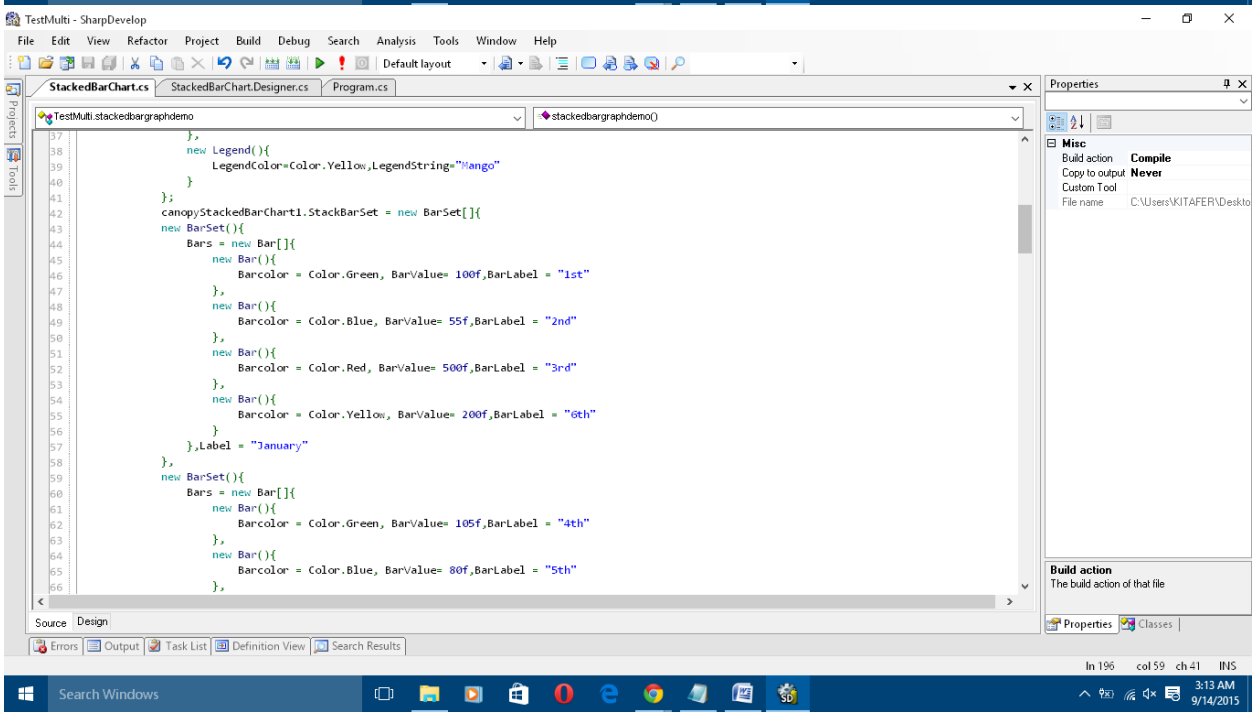
Usage



Drag CanopyStackedBarChart Component to Form




TestMulti - SharpDevelop
File Edit View Refactor Project Build Debug Search Analysis Tools Window Help
StackedBarChart.cs
StackedBarChart.Designer.cs
Program.cs
TestMulti.stackedbargraphdemo
stackedbargraphdemo()
using System;
using System.Drawing;
using System.Windows.Forms;
using CanopyGraph;
namespace TestMulti
{
/// <summary>
/// Description of singlebargraphdemo.
/// </summary>
public partial class stackedbargraphdemo : Form
{
public stackedbargraphdemo()
{
//
// The InitializeComponent() call is required for Windows Forms designer support.
//
InitializeComponent();
canopyStackedBarChart1.AxisColor = Color.White;
canopyStackedBarChart1.StackBarLegend = new Legend[]{
new Legend(){
LegendColor=Color.Green,LegendString="Melon"
},
new Legend(){
LegendColor=Color.Blue,LegendString="Grapes"
},
new Legend(){
LegendColor=Color.Red,LegendString="Apple"
},
Properties
Misc
Build action Compile
Copy to output Never
Custom Tool
File name
Build action
The build action of that file
Source Design
Errors Output Task List Definition View Search Results
Search Windows
3:13 AM
9/14/2015


TestMulti - SharpDevelop
File Edit View Refactor Project Build Debug Search Analysis Tools Window Help
StackedBarChart.cs
StackedBarChart.Designer.cs
Program.cs
TestMulti.stackedbargraphdemo
stackedbargraphdemo()
},
new Legend(){
LegendColor=Color.Yellow,LegendString="Mango"
}
};
canopyStackedBarChart1.StackBarSet = new BarSet[]{
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green, BarValue= 100f,BarLabel = "1st"
},
new Bar(){
Barcolor = Color.Blue, BarValue= 55f,BarLabel = "2nd"
},
new Bar(){
Barcolor = Color.Red, BarValue= 500f,BarLabel = "3rd"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 200f,BarLabel = "6th"
}
},Label = "January"
},
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green, BarValue= 105f,BarLabel = "4th"
},
new Bar(){
Barcolor = Color.Blue, BarValue= 80f,BarLabel = "5th"
},
Properties
Misc
Build action Compile
Copy to output Never
Custom Tool
File name
Build action
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Source Design
Errors Output Task List Definition View Search Results
Search Windows
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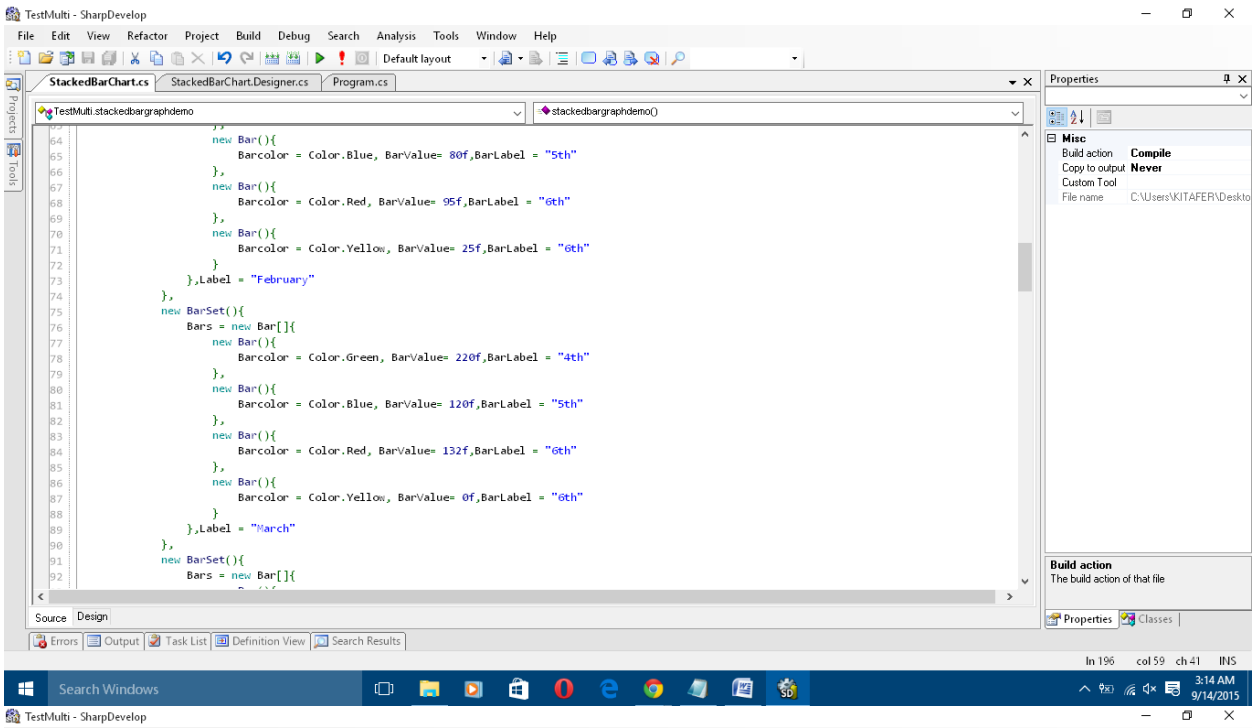
9/14/2015


TestMulti - SharpDevelop
File Edit View Refactor Project Build Debug Search Analysis Tools Window Help
StackedBarChart.cs
StackedBarChart.Designer.cs
Program.cs
TestMulti.stackedbargraphdemo
stackedbargraphdemo()
new Bar(){
Barcolor = Color.Blue, BarValue= 80f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 95f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 25f,BarLabel = "6th"
}
},Label = "February"
},
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green, BarValue= 220f,BarLabel = "4th"
},
new Bar(){
Barcolor = Color.Blue, BarValue= 120f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 132f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 0f,BarLabel = "6th"
}
},Label = "March"
},
new BarSet(){
Bars = new Bar[]{
Properties
Misc
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Custom Tool
File name C:\Users\KITAFER\Deskto
Build action
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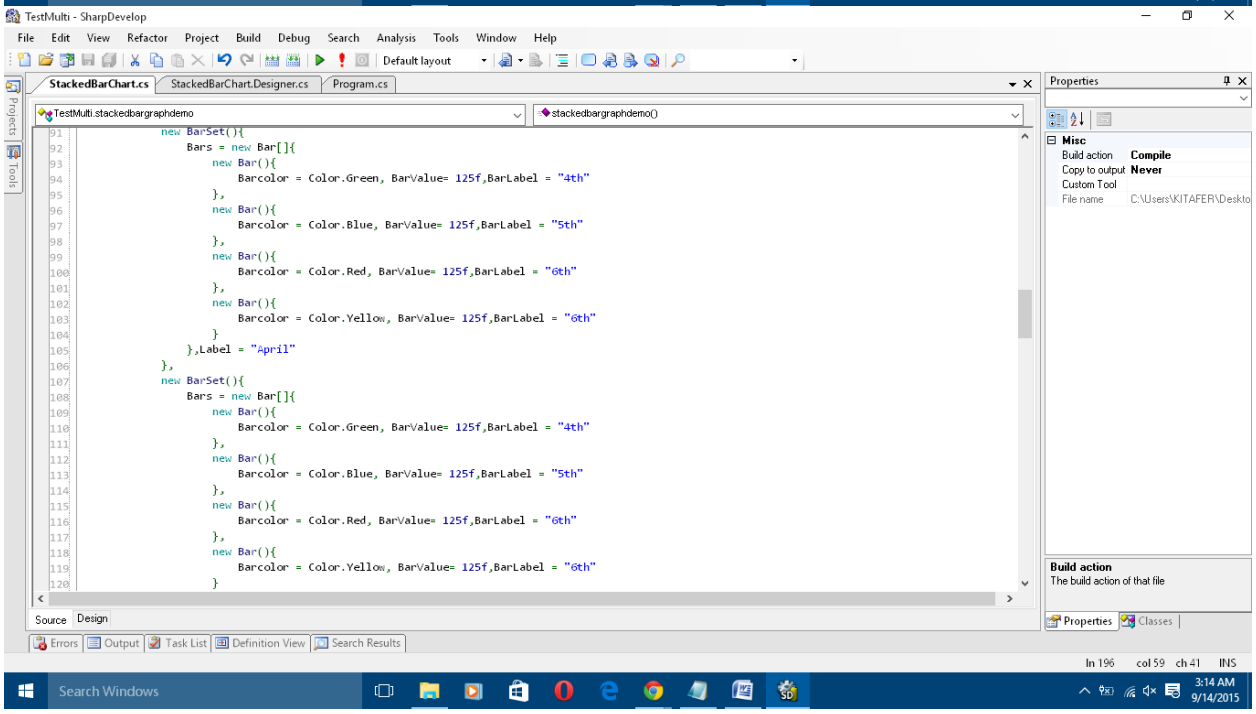
Source Design
Errors Output Task List Definition View Search Results
Ln 196 col 59 ch 41 INS
Search Windows
3:14 AM
9/14/2015


TestMulti - SharpDevelop
File Edit View Refactor Project Build Debug Search Analysis Tools Window Help
StackedBarChart.cs
StackedBarChart.Designer.cs
Program.cs
TestMulti.stackedbargraphdemo
stackedbargraphdemo()
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green, BarValue= 125f,BarLabel = "4th"
},
new Bar(){
Barcolor = Color.Blue, BarValue= 125f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 125f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 125f,BarLabel = "6th"
}
},Label = "April"
},
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green, BarValue= 125f,BarLabel = "4th"
},
new Bar(){
Barcolor = Color.Blue, BarValue= 125f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 125f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 125f,BarLabel = "6th"
}
Properties
Misc
Build action Compile
Copy to output Never
Custom Tool
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Build action
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Source Design
Errors Output Task List Definition View Search Results
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Search Windows
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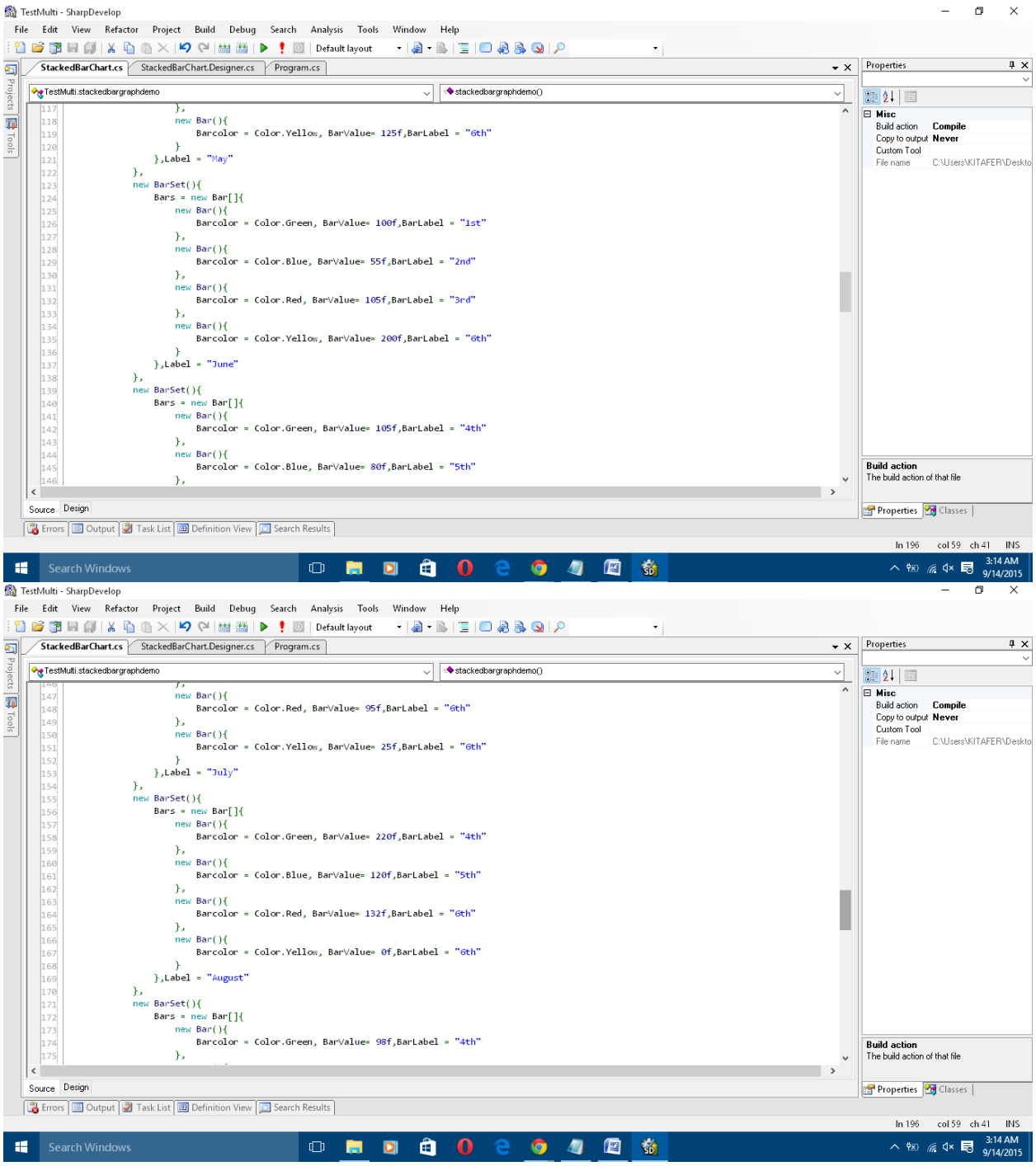
9/14/2015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Misc
Build action Compile
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Custom Tool
File name
Build action
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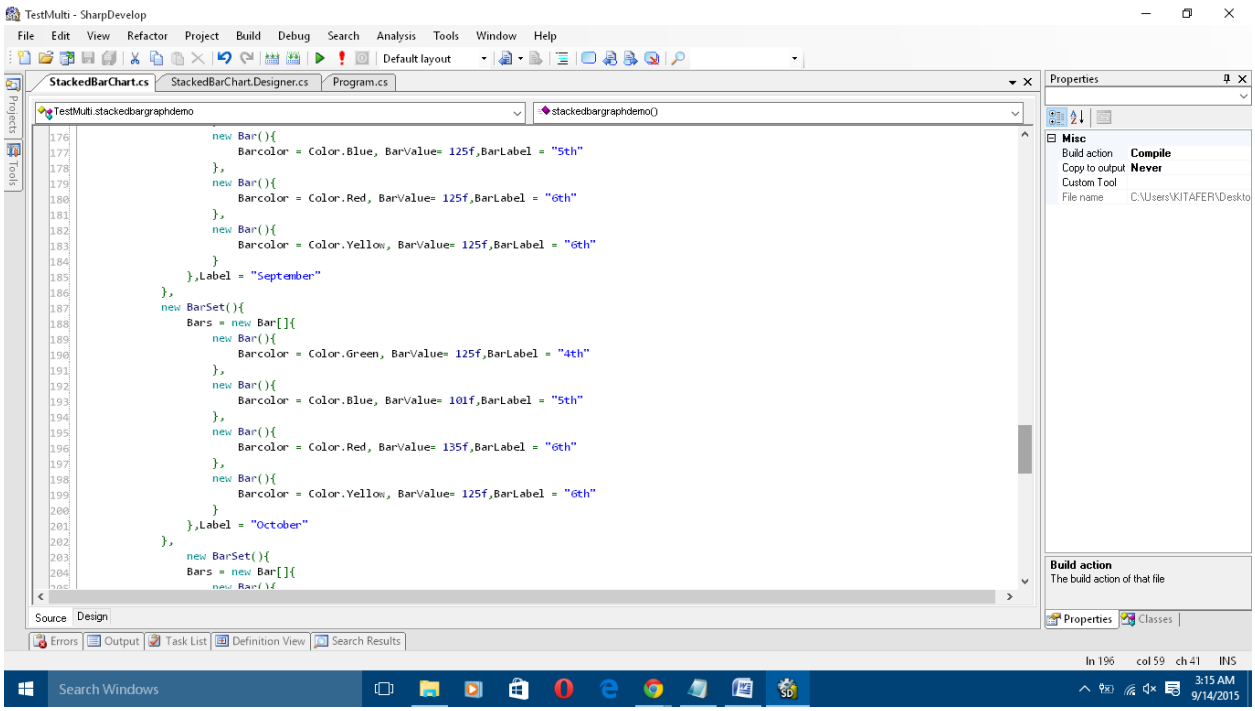
Source Design
Errors Output Task List Definition View Search Results
Search Windows
3:14 AM
9/14/2015


TestMulti - SharpDevelop
File Edit View Refactor Project Build Debug Search Analysis Tools Window Help
StackedBarChart.cs
StackedBarChart.Designer.cs
Program.cs
TestMulti.stackedbargraphdemo
stackedbargraphdemo()
new Bar(){
Barcolor = Color.Blue, BarValue= 125f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 125f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 125f,BarLabel = "6th"
}
},Label = "September"
},
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green, BarValue= 125f,BarLabel = "4th"
},
new Bar(){
Barcolor = Color.Blue, BarValue= 101f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 135f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 125f,BarLabel = "6th"
}
},Label = "October"
},
new BarSet(){
Bars = new Bar[]{
Properties
Misc
Build action Compile
Copy to output Never
Custom Tool
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Build action
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Source Design
Errors Output Task List Definition View Search Results
Search Windows
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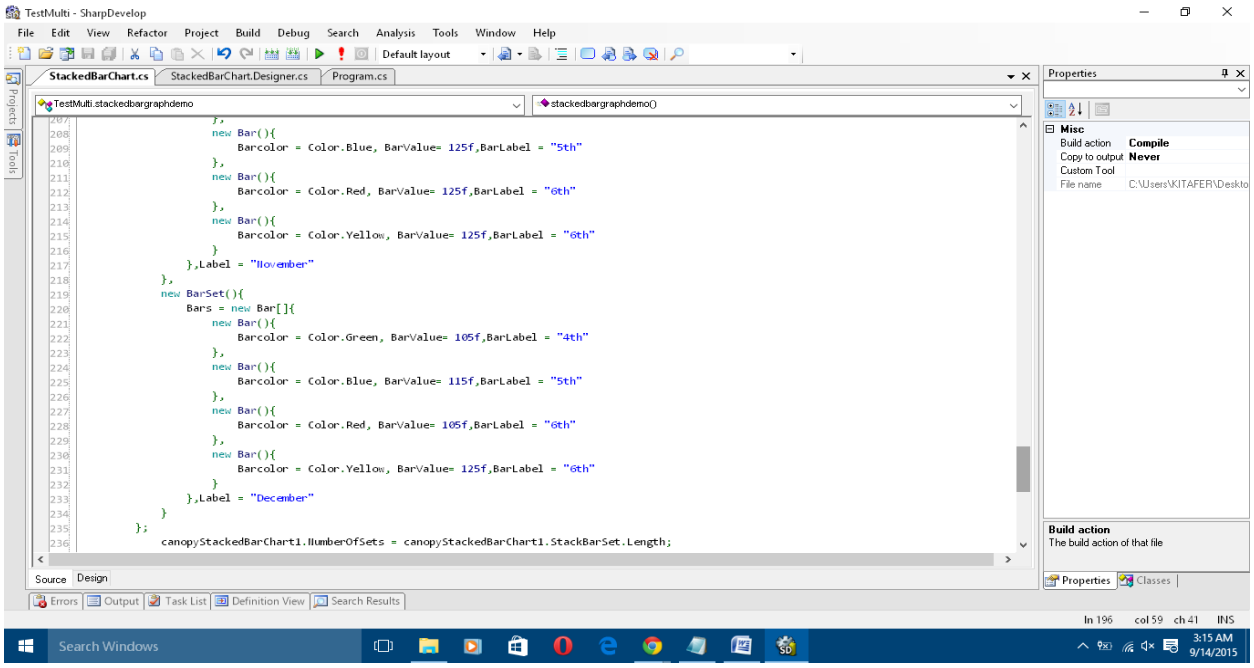
9/14/2015


TestMulti - SharpDevelop
File Edit View Refactor Project Build Debug Search Analysis Tools Window Help
StackedBarChart.cs
StackedBarChart.Designer.cs
Program.cs
TestMulti.stackedbargraphdemo
stackedbargraphdemo()
new Bar(){
Barcolor = Color.Blue, BarValue= 125f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 125f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 125f,BarLabel = "6th"
}
},Label = "November"
},
new BarSet(){
Bars = new Bar[]{
new Bar(){
Barcolor = Color.Green, BarValue= 105f,BarLabel = "4th"
},
new Bar(){
Barcolor = Color.Blue, BarValue= 115f,BarLabel = "5th"
},
new Bar(){
Barcolor = Color.Red, BarValue= 105f,BarLabel = "6th"
},
new Bar(){
Barcolor = Color.Yellow, BarValue= 125f,BarLabel = "6th"
}
},Label = "December"
}
};
canopyStackedBarChart1.NumberOfSets = canopyStackedBarChart1.StackBarSet.Length;
Properties
Misc
Build action Compile
Copy to output Never
Custom Tool
File name C:\Users\KITAFER\Deskto
Build action
The build action of that file
Source Design
Errors Output Task List Definition View Search Results
Search Windows
3:15 AM
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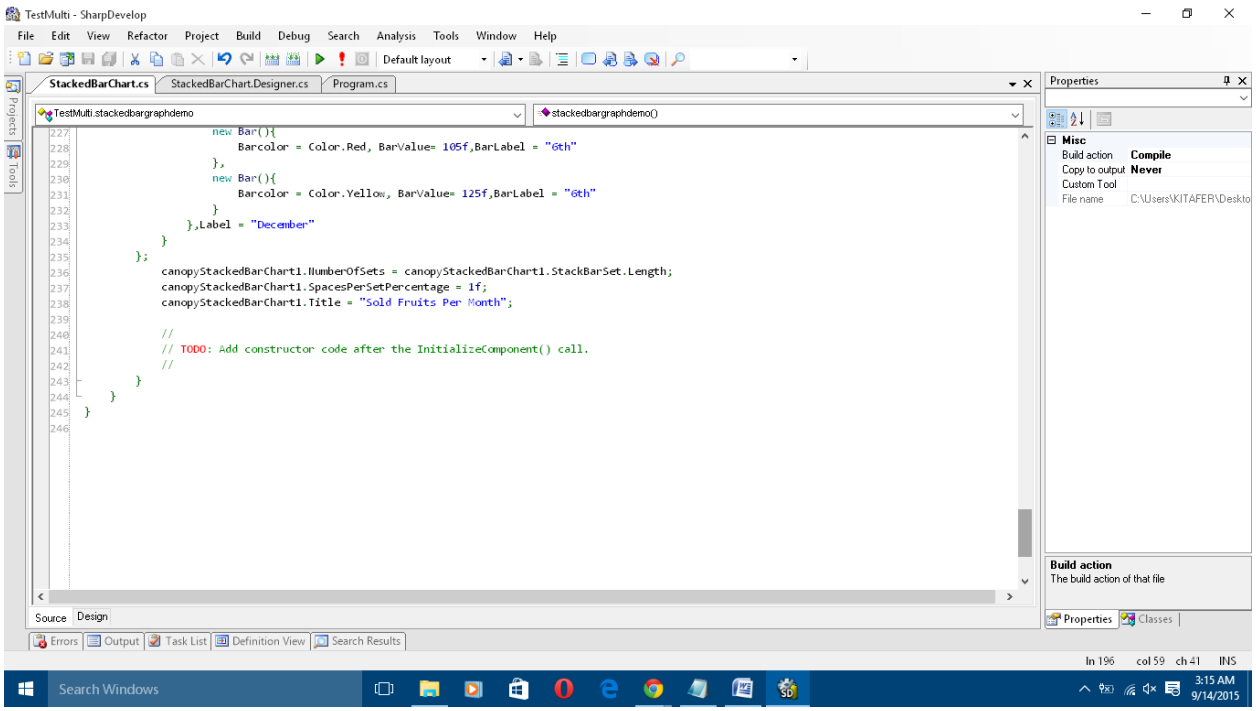
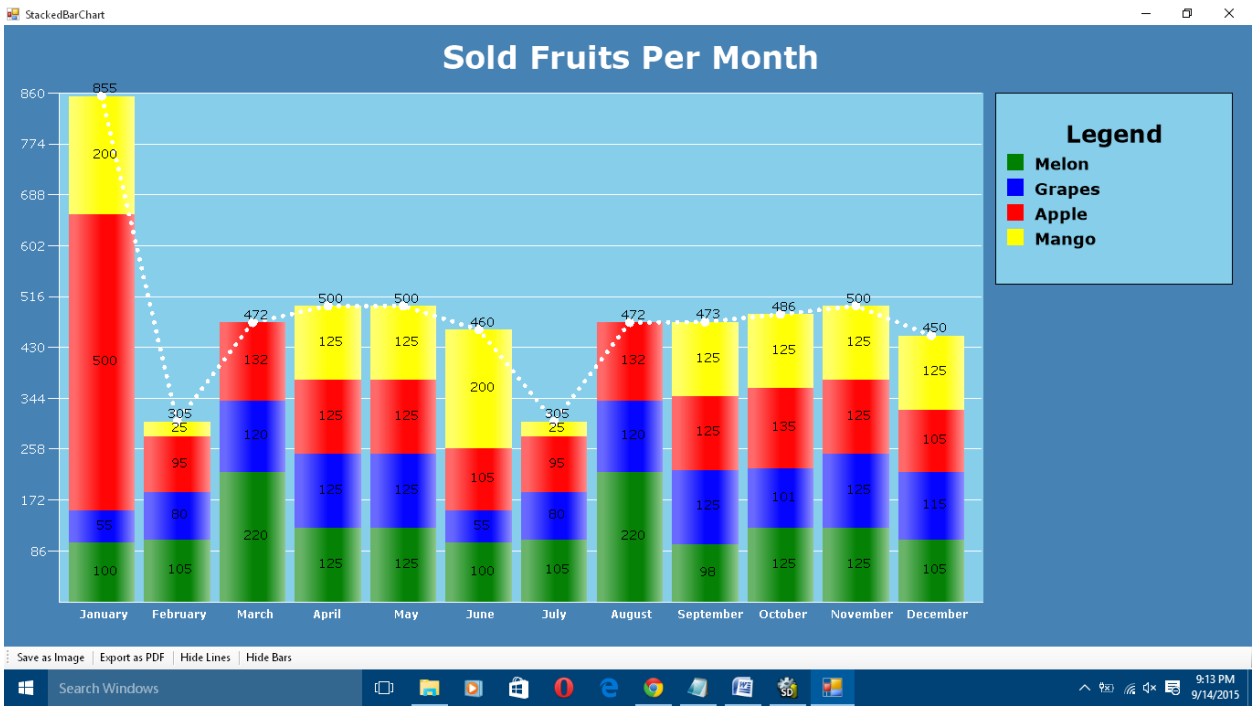
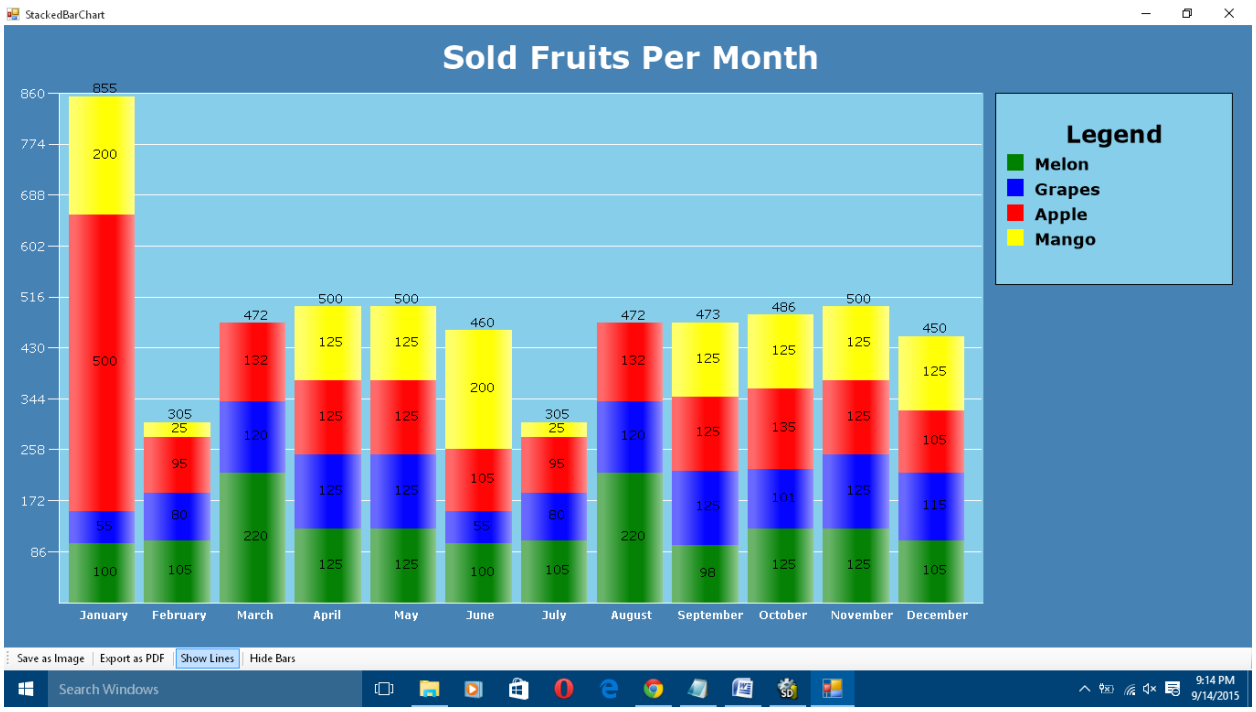


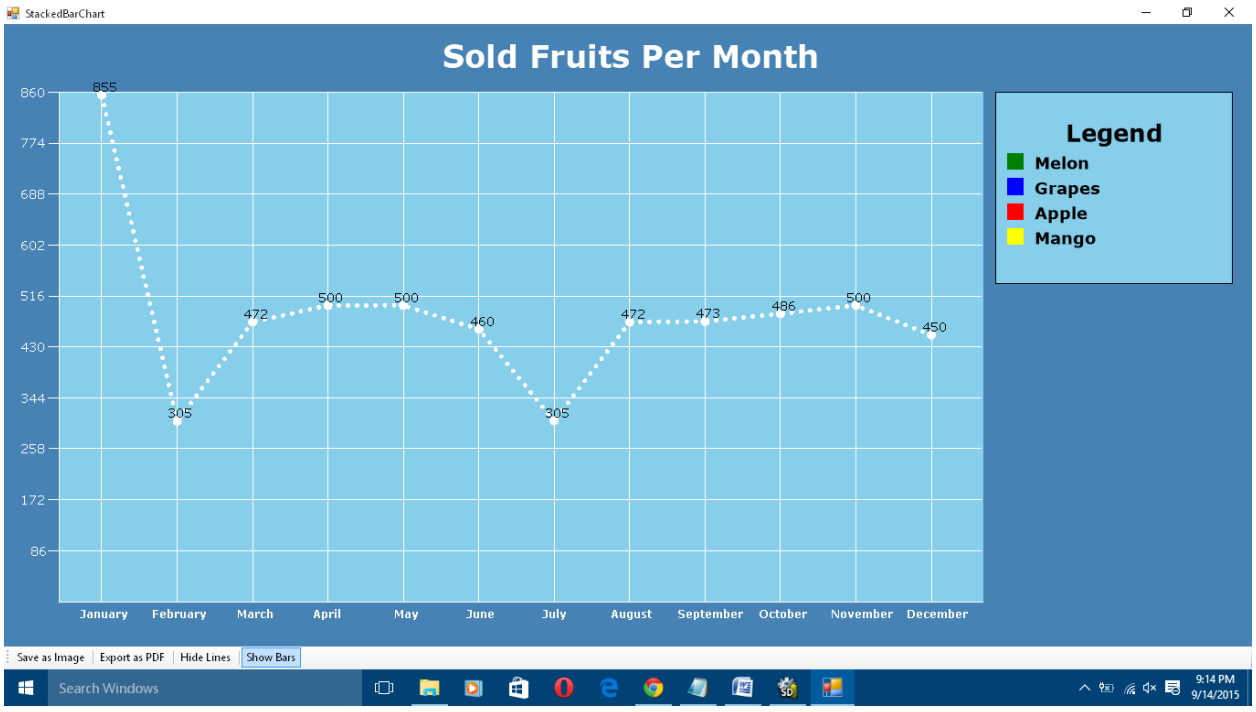
Set canopyStackedBarChart1's properties' values to the Form's Constructor after the InitializeComponent() call. Then Run.



Stacked Bars With Lines

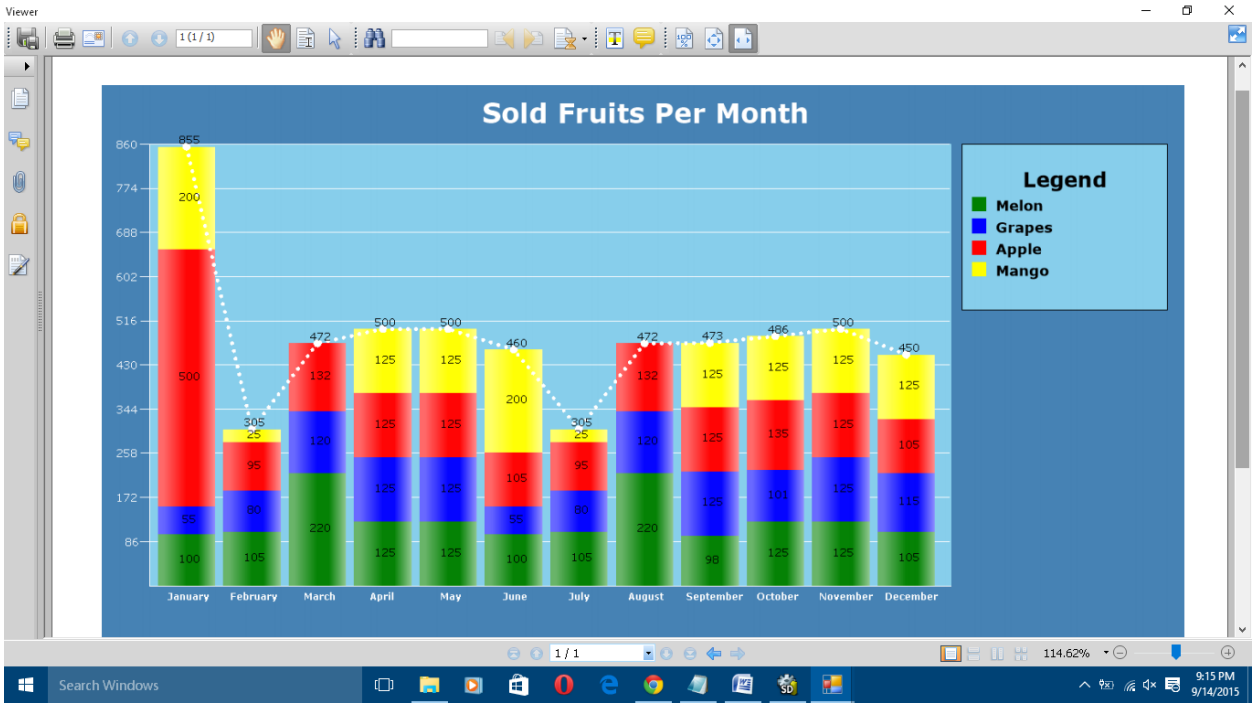


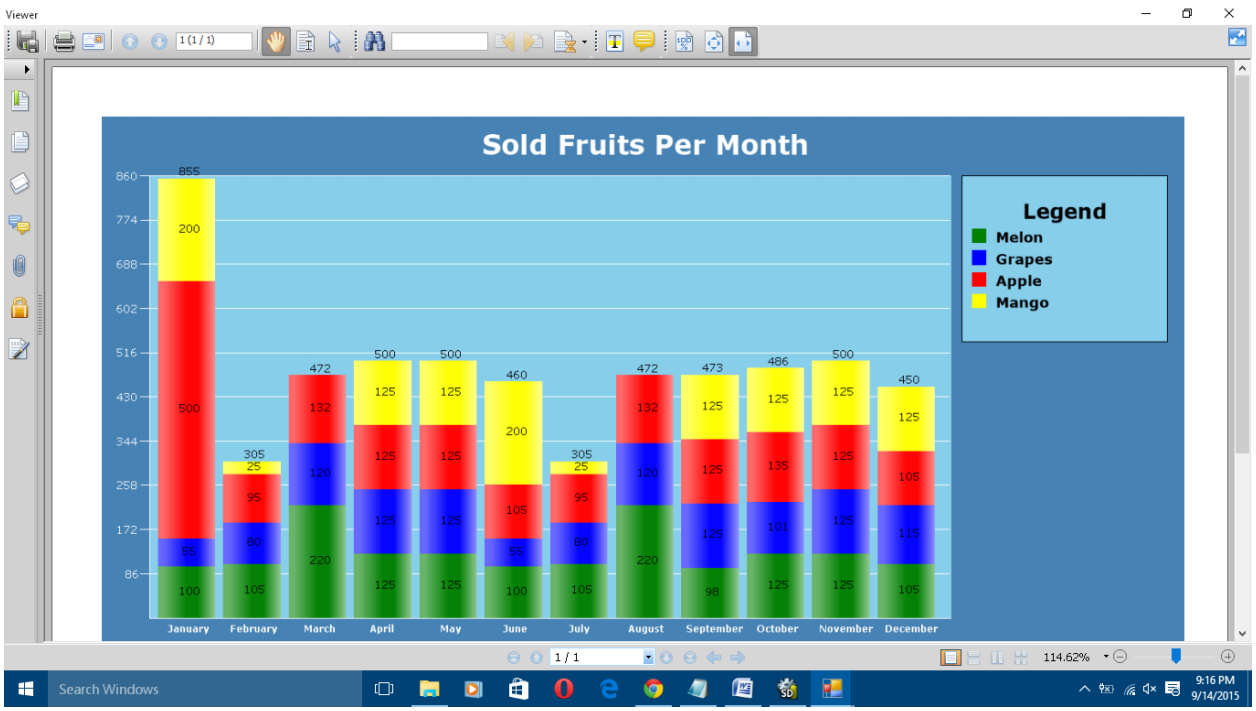
Stacked Bars Only

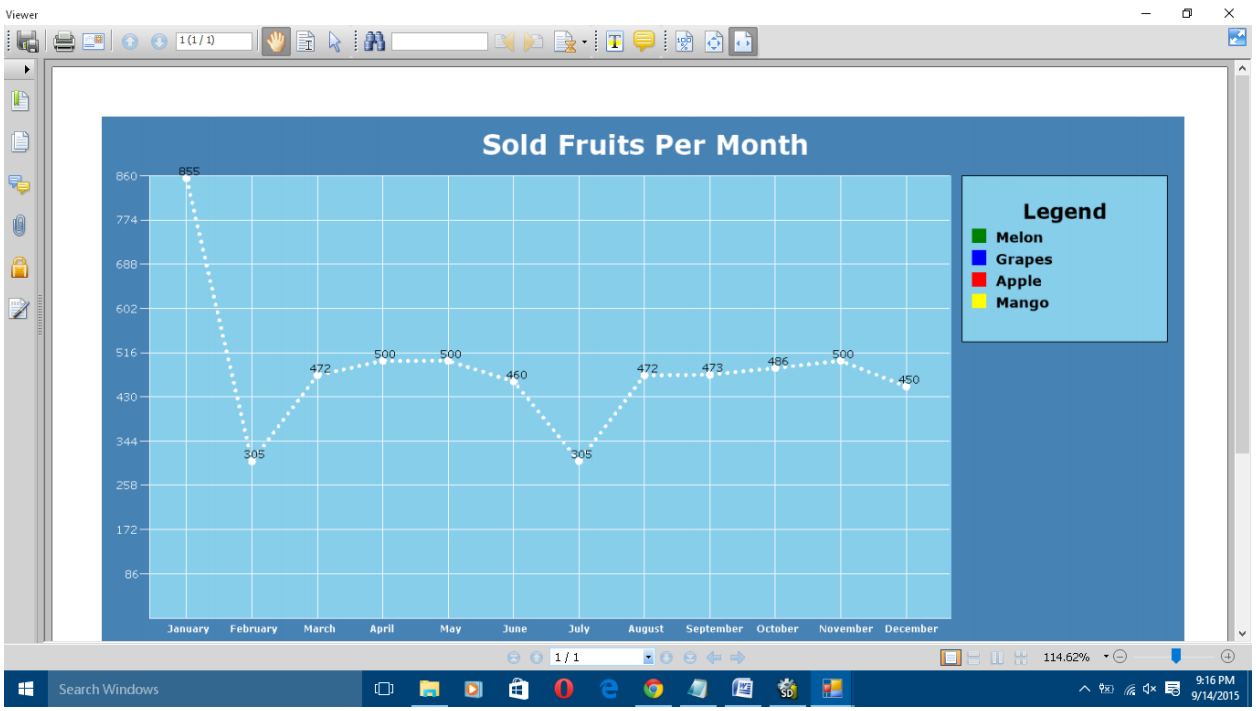


Lines Only

Export as PDF






Viewer
Sold Fruits Per Month
Legend
Melon
Grapes
Apple
Mango
860
774
688
602
516
430
344
258
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855
305
472
500
500
460
305
472
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January
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9/14/2015