

# **Milestone 1**

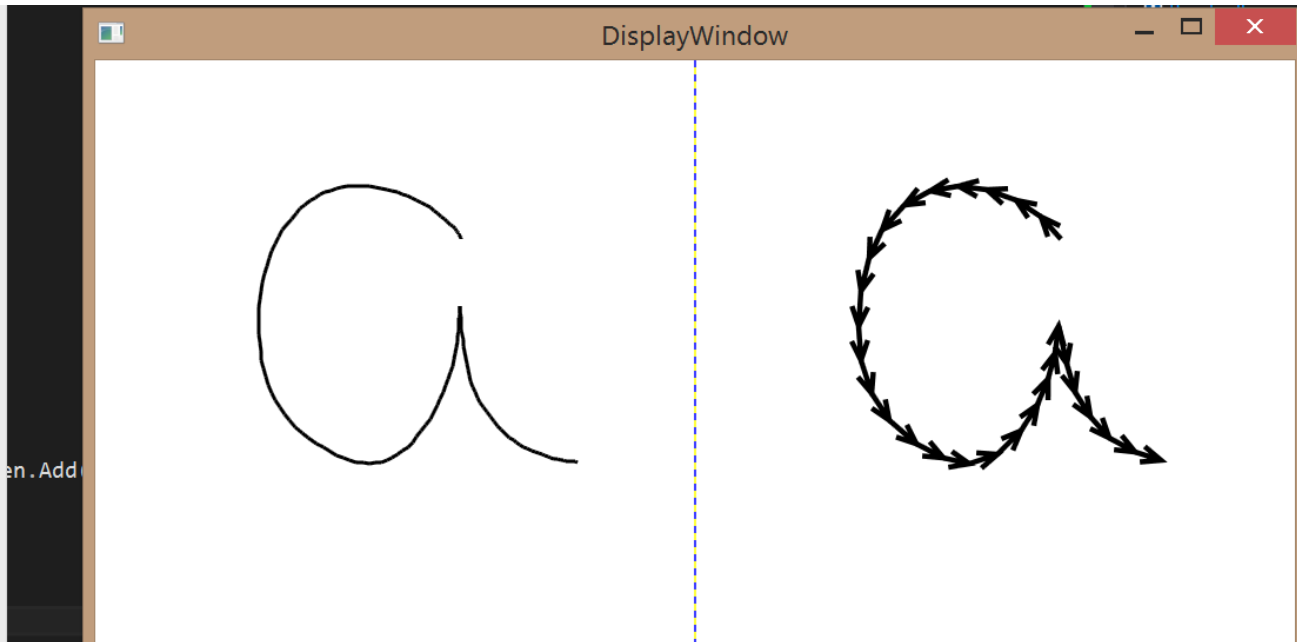
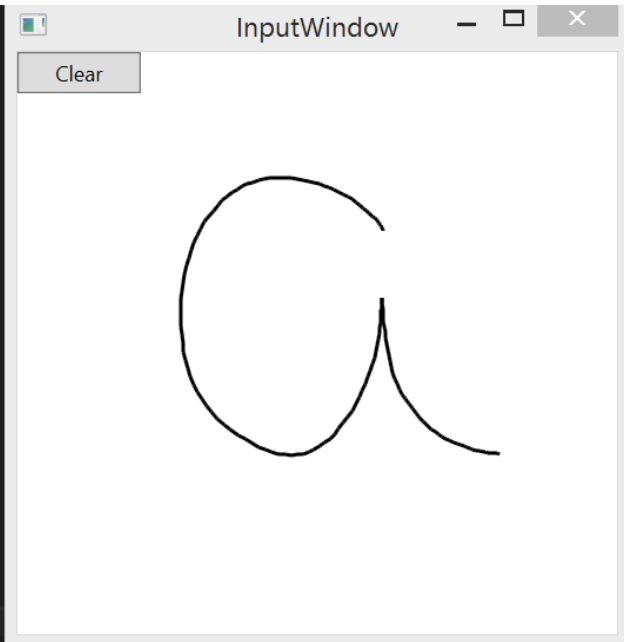
Dominique Wehner

Kasey Powers

Faculty Sponsor: Dr. Gallagher

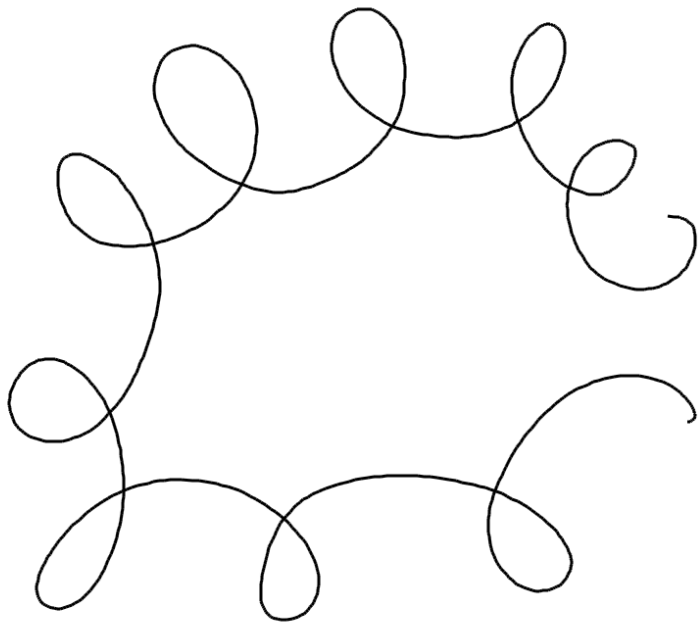
# Progress of Milestone 1:

- All documents are almost complete: Test plan, Design Document, and Requirements Document.
- Brainstormed ways to read/break down input, and remove white noise
- Coded and tested all brainstormed ideas and came to a consensus on what we will move forward with



InputWindow

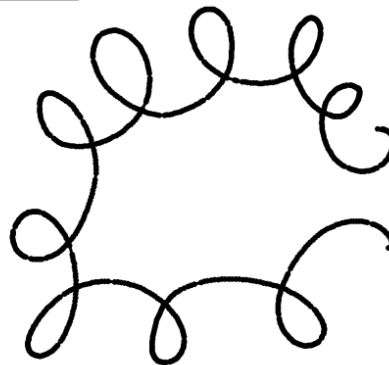
Clear



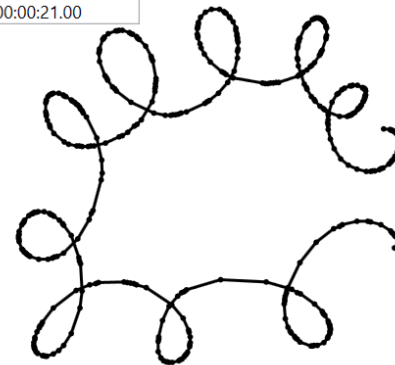
```
lineClean.toAddCircles = true;  
thisDynamicDisplay.addCanvas(lineClean);  
cleanTesters.Add(lineClean);
```

DisplayWindow

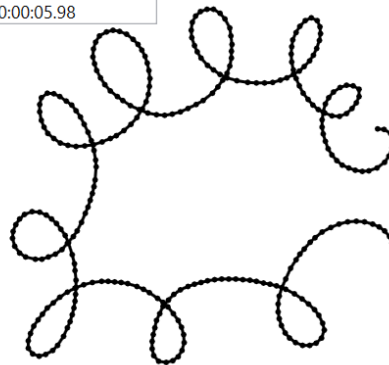
Copy Input  
1019



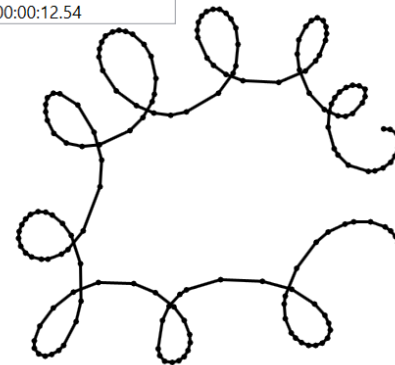
remove lines r=10  
441  
00:00:21.00

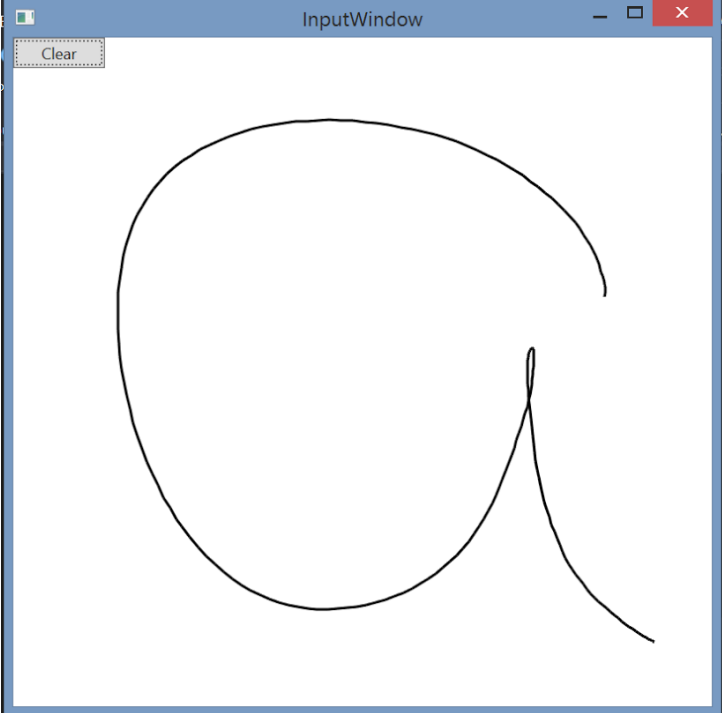


remove distance d=8  
306  
00:00:05.98



remove lines r=10 d=8  
172  
00:00:12.54

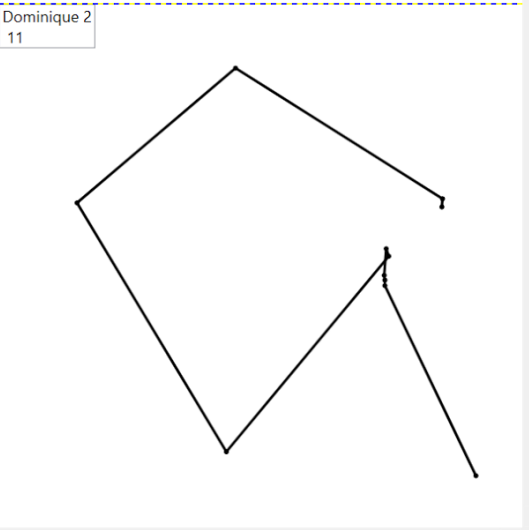
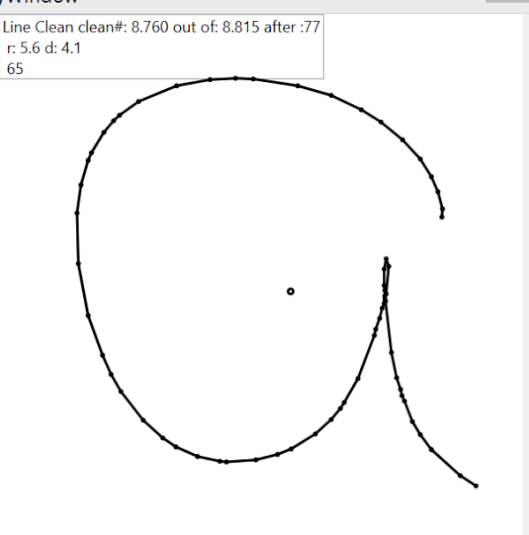
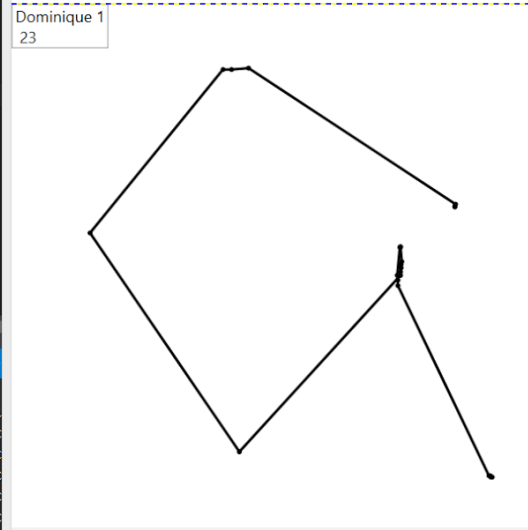
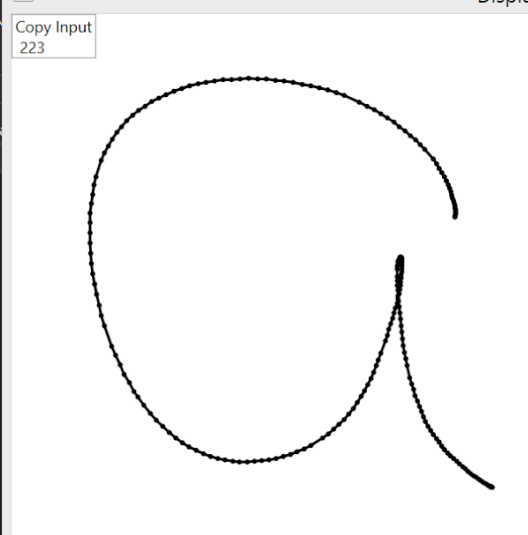


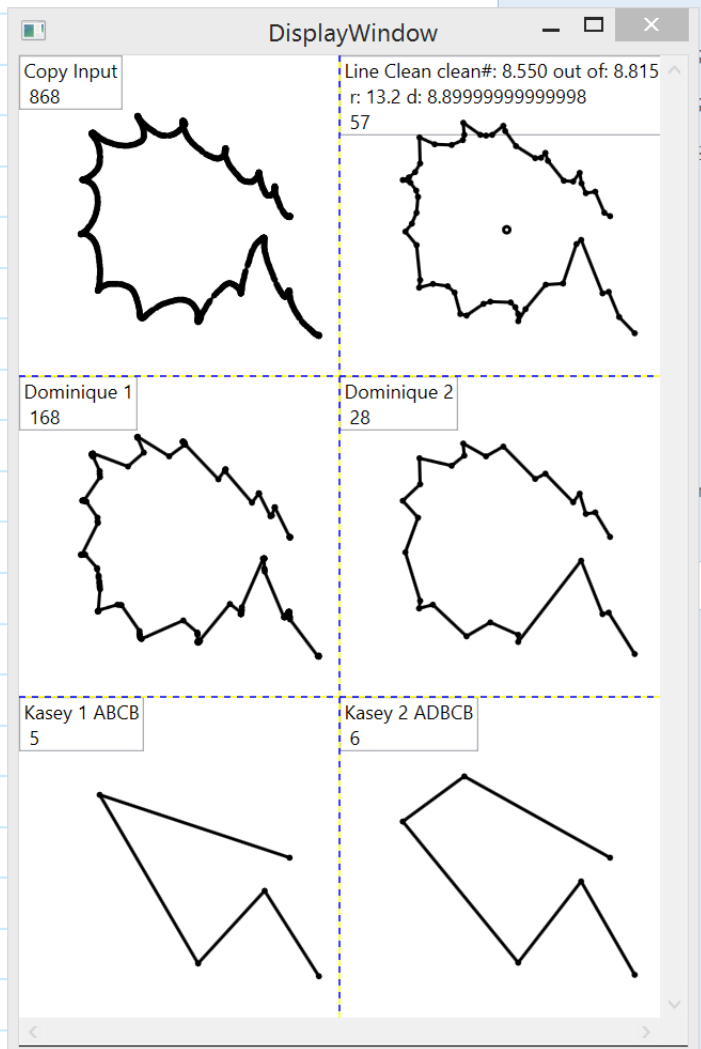
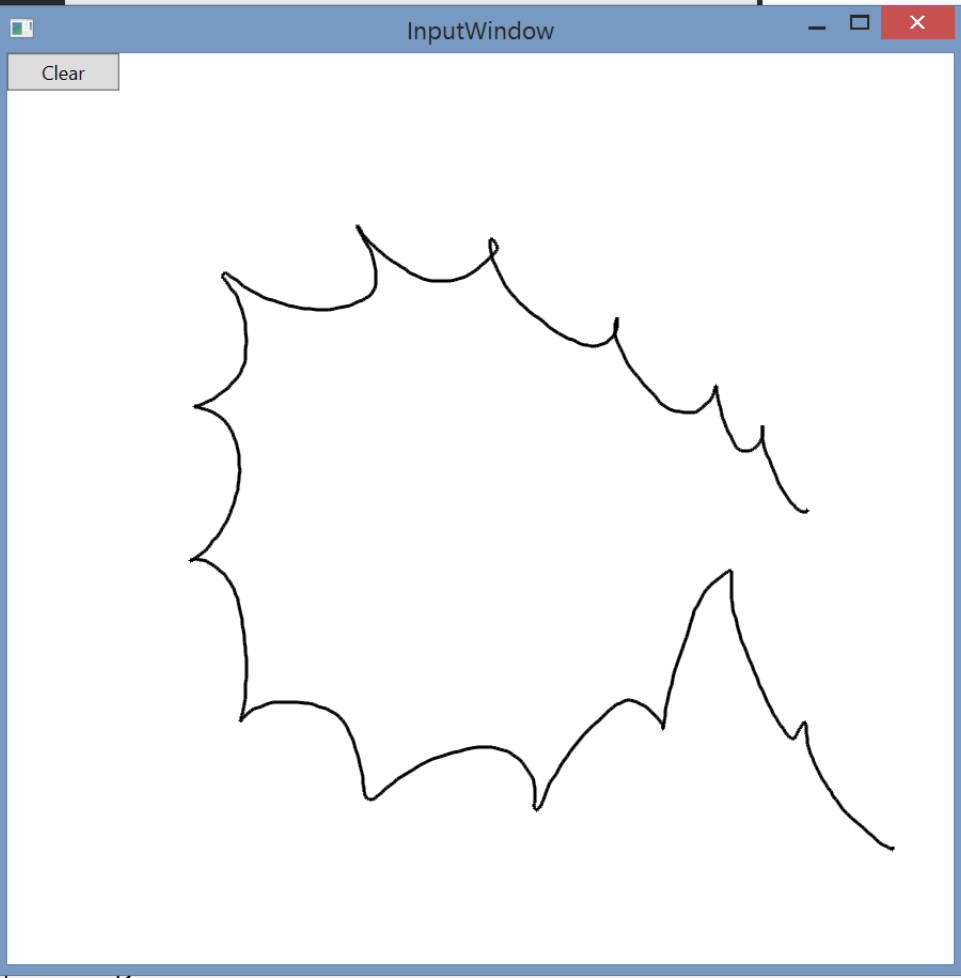


```
304 lineDrawCanvas lineClean= cleanesters[i],  
305 lineClean.outOfX = inputSize.Width;  
306 lineClean.outOfy = inputSize.Height;  
307 }  
308 /*lineClean.outOfX = inputSize.Width;  
309 lineClean.outOfy = inputSize.Height;  
310 lineClean.updateDraw();*/
```

Input

```
ow output from: Debug  
penToText.vshost.exe (CLR v4.0.30319: penToText.vshost.exe): Loaded 'C:\windows\mic  
penToText.vshost.exe' (CLR v4.0.30319: penToText.vshost.exe): Loaded 'C:\windows\mic  
penToText.vshost.exe' (CLR v4.0.30319: penToText.vshost.exe): Loaded 'C:\windows\mic  
penToText.vshost.exe' (CLR v4.0.30319: penToText.vshost.exe): Loaded 'C:\windows\mic  
penToText.vshost.exe' (CLR v4.0.30319: penToText.vshost.exe): Loaded 'C:\windows\mic  
penToText.vshost.exe' (CLR v4.0.30319: penToText.vshost.exe): Loaded 'C:\windows\mic
```

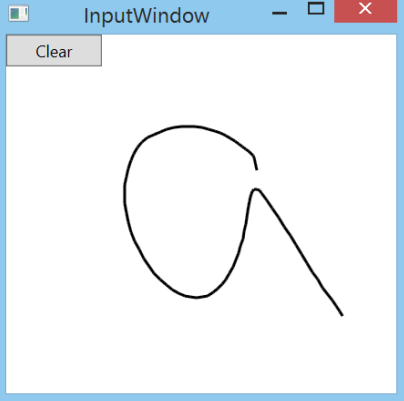




# Ramer-Douglas-Peucker

InputWindow

Clear

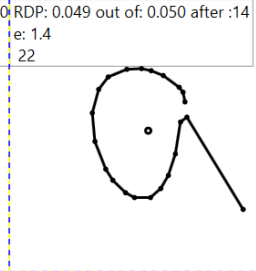
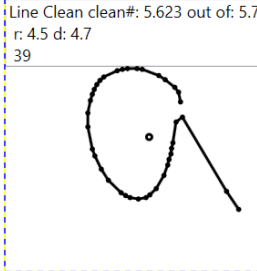
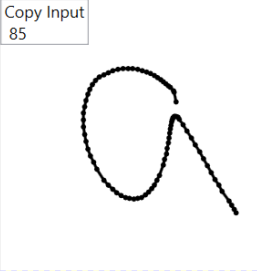


```
i--;  
}  
}  
if (done && i > 2 && opposite(  
{  
    int a = locations[i - 2];  
    int b = locations[i - 1];
```

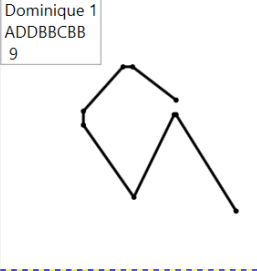
DisplayWindow

Copy Input  
85

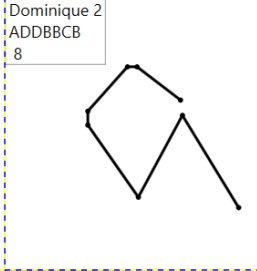
Line Clean clean#: 5.623 out of: 5.730 RDP: 0.049 out of: 0.050 after: 14  
r: 4.5 d: 4.7 e: 1.4  
39 22



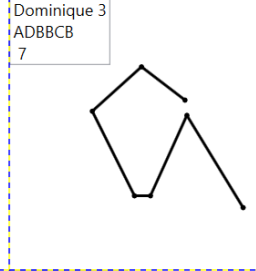
Dominique 1  
ADDBBCBB  
9



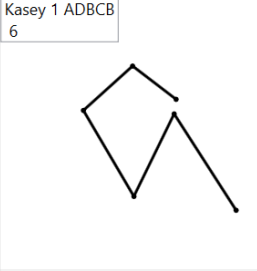
Dominique 2  
ADDBBCB  
8



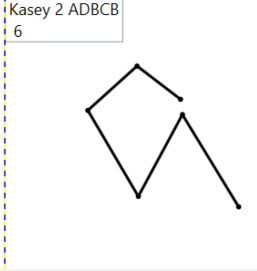
Dominique 3  
ADBBCB  
7



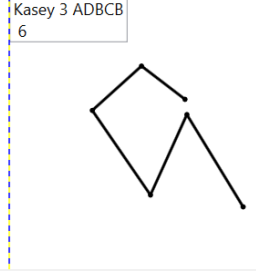
Kasey 1 ADBCB  
6



Kasey 2 ADBCB  
6

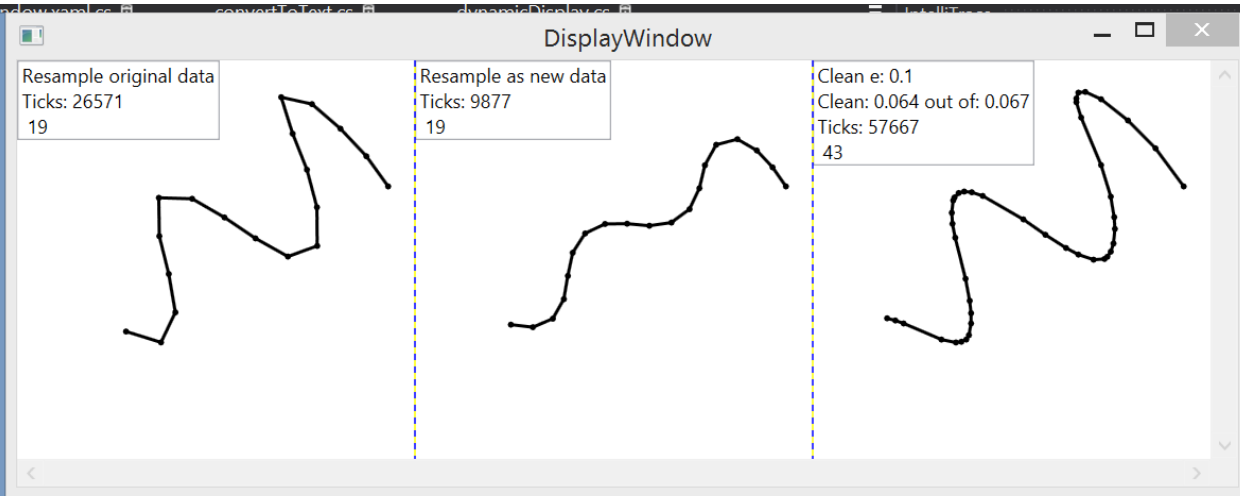
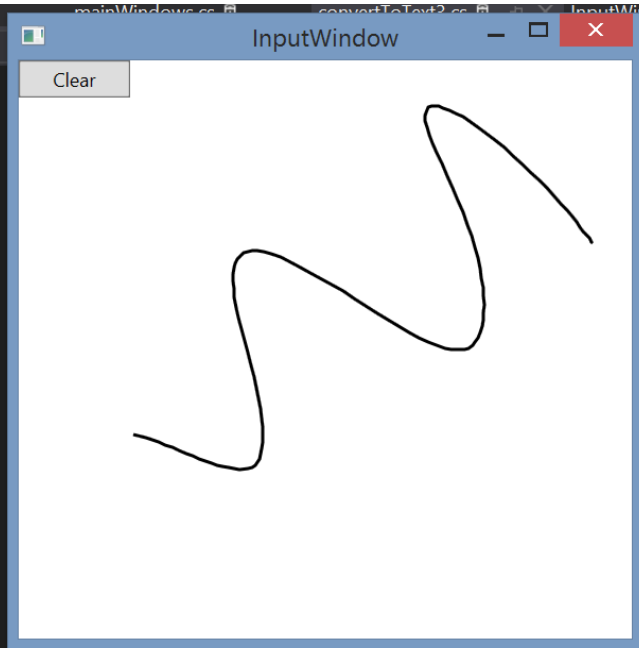


Kasey 3 ADBCB  
6



nd Window Immediate Window Output  
Value

# Resample



```
public void resize()  
{  
    /*inputCopy.outOfX = inputSize.Width;  
    inputCopy.outOfy = inputSize.Height;
```

```
gDelegate(slopes2.updateDraw));*/
```



## Milestone 2 to-do list:

- Update documents
- Continue brainstorming ideas of breaking down input, and how to determine what a letter is based on that input
- Code this idea and have it outputting the correct digit when the digits 0-9 are inputted

**DEMO**