Uniform Histogram

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In [ ]:  #imports for numpy and matplotlib usage
         import numpy as np
         import matplotlib.pyplot as plt
         %matplotlib inline
```

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In [ ]:  #set n to 1000 for 1000 random numbers between 0 and 1
         n = 1000

         #Creates uniform random between 0 and 1
         x = np.random.uniform(low=0.0, high=1.0, size=n)

         #plotting for histogram, idea from professor
         #bins set to 100 for the 100 bins, inspired from:https://stackoverflow.com/question
         plt.hist(x, bins = 100,alpha = 0.5, edgecolor = 'black')

         # labeling x axis as x
         plt.xlabel('x')

         #labeling y axis as y
         plt.ylabel('y')

         #titling the histogram as Uniform Histogram
         plt.title('Uniform Histogram')
```

```
Out[ ]:  Text(0.5, 1.0, 'Uniform Histogram')
```

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