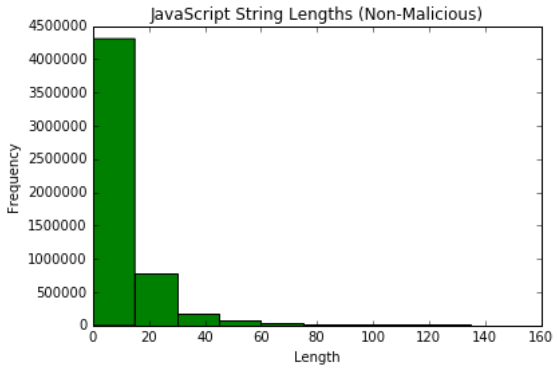
In [20]:
```
%matplotlib inline
import matplotlib
import matplotlib.pyplot as plt
import numpy as np
f = open("StringLengthZero.txt", "r")
StrLenValues=[]
for line in f:
    line = line.strip("\n")
    StrLenValues.append(int(line))
f.close()
arr = np.array(StrLenValues)
print'Maximum String Length :%d' %(np.max(arr))
print'Mean    String Length :%4.1f' %(np.mean(arr))
print
print
plt.hist(arr, range=[0,150], color='green', bins=10)
plt.title("JavaScript String Lengths (Non-Malicious)")
plt.xlabel("Length")
plt.ylabel("Frequency")
```

```
Maximum String Length :631760
Mean    String Length :18.1
```

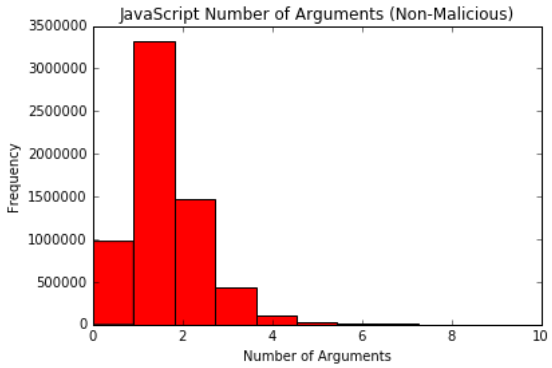
Out[20]:
```
<matplotlib.text.Text at 0x7fd6d4018350>
```



In [15]:
```
f = open("NumArgZero.txt", "r")
NumArgValues=[]
for line in f:
    line = line.strip("\n")
    NumArgValues.append(int(line))
f.close()
arg_arr = np.array(NumArgValues)
print'Maximum Number of Arguments  :%d' %(np.max(arg_arr))
print'Mean    Number of Arguments  :%4.1f' %(np.mean(arg_arr))
print
print
plt.hist(arg_arr, range=[0,10], color='red', bins=11)
plt.title("JavaScript Number of Arguments (Non-Malicious)")
plt.xlabel("Number of Arguments")
plt.ylabel("Frequency")
```

```
Maximum Number of Arguments  :57
Mean    Number of Arguments  : 1.3
```

Out[15]:
```
<matplotlib.text.Text at 0x7fd6d4173650>
```



In [27]:
```
f = open("NumNodesZero.txt", "r")
NumNodesValues=[]
for line in f:
    line = line.strip("\n")
    NumNodesValues.append(int(line))
f.close()
nodes_arr = np.array(NumNodesValues)
print'Maximum Number of AST Nodes  :%d' %(np.max(nodes_arr))
print'Mean    Number of AST Nodes  :%4.1f' %(np.mean(nodes_arr))
print
print
plt.hist(nodes_arr, range=[0, 2000], color='blue', bins=10)
plt.title("JavaScript Number of AST Nodes (Non-Malicious)")
plt.xlabel("Number of AST Nodes")
plt.ylabel("Frequency")
```

```
Maximum Number of AST Nodes  :927918
Mean    Number of AST Nodes  :5235.7
```

Out[27]:
```
<matplotlib.text.Text at 0x7fd6d14018d0>
```