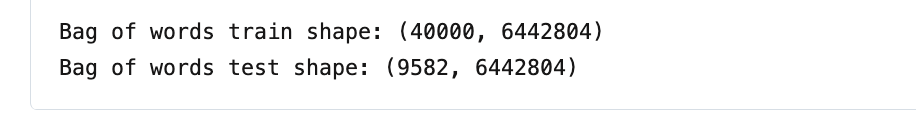
**Results Screenshots**

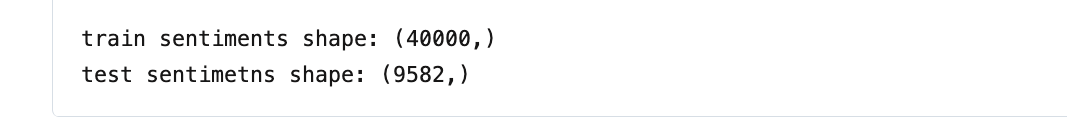
**Bag of Words:**



**Term Frequency-Inverse Document Frequency (TF-IDF):**



**Train – Test Split:**



**word cloud for positive review words:**

Graphical user interface

Description automatically generated with low confidence

**word cloud for negative review words:**

Text

Description automatically generated

**Scaling the Multinomial Naïve Bayes**

**Classification report of BoW model:**

Table

Description automatically generated

**Classification report of TF-IDF model:**

Table

Description automatically generated

**Confusion matrix for BoW:**

Chart, treemap chart

Description automatically generated

**Confusion matrix for TF-IDF:**

Chart, treemap chart

Description automatically generated

**Scaling Stochastic Gradient Descent**

**Classification report of BoW model:**

Table

Description automatically generated

**Classification report of TF-IDF model:**

Table

Description automatically generated

**Confusion matrix for BoW:**

Chart

Description automatically generated

**Confusion matrix for TF-IDF:**

Chart

Description automatically generated