|  | Random Guess (Baseline) | BOW + Logistic Regression | Decision Tree | (BOW/TF-IDF) Random Forest | Support Vector Machine | Word  Vector + Random Forest |
| --- | --- | --- | --- | --- | --- | --- |
| Hyperparameter Tuning | No | Yes | Yes | Yes | Yes | Yes |
| Test Accuracy | 50.00% | 51.26% | ~~51.08%~~ | 51.26% | ~~51.42%~~ | 51.01% |
| Cross-Validation Accuracy | \ | 51.16% | 53.09% | 55.94% | 53.71% | 55.50% |

\*The reported accuracy is based on 5-fold cross validation

Confusion matrix of our highest accuracy model: Random Forest confusion matrix here

Classification report of of our highest accuracy model: