```
Making predictions with SVM...
SVM Test Accuracy: 0.862
SVM Test Classification Report:
              precision    recall  f1-score   support

           0       0.86      0.87      0.86       500
           1       0.87      0.85      0.86       500

    accuracy                           0.86      1000
   macro avg       0.86      0.86      0.86      1000
weighted avg       0.86      0.86      0.86      1000

Making predictions with Decision Tree...
Decision Tree Test Accuracy: 0.841
Decision Tree Test Classification Report:
              precision    recall  f1-score   support

           0       0.84      0.84      0.84       500
           1       0.84      0.84      0.84       500

    accuracy                           0.84      1000
   macro avg       0.84      0.84      0.84      1000
weighted avg       0.84      0.84      0.84      1000

Making predictions with Random Forest...
Random Forest Test Accuracy: 0.887
Random Forest Test Classification Report:
              precision    recall  f1-score   support

           0       0.90      0.87      0.89       500
           1       0.88      0.90      0.89       500

    accuracy                           0.89      1000
   macro avg       0.89      0.89      0.89      1000
weighted avg       0.89      0.89      0.89      1000

Making predictions with Naive Bayes...
Naive Bayes Test Accuracy: 0.826
Naive Bayes Test Classification Report:
              precision    recall  f1-score   support

           0       0.80      0.87      0.83       500
           1       0.86      0.78      0.82       500

    accuracy                           0.83      1000
   macro avg       0.83      0.83      0.83      1000
weighted avg       0.83      0.83      0.83      1000


Test Set Metrics Comparison:
SVM Test Accuracy: 0.862
Decision Tree Test Accuracy: 0.841
Random Forest Test Accuracy: 0.887
Naive Bayes Test Accuracy: 0.826
```

SVM Confusion Matrix

	Predicted 0	Predicted 1
Actual 0	435	65
Actual 1	73	427

Decision Tree Confusion Matrix

	Predicted 0	Predicted 1
Actual 0	422	78
Actual 1	81	419

Random Forest Confusion Matrix

	Predicted 0	Predicted 1
Actual 0	436	64
Actual 1	49	451

Naive Bayes Confusion Matrix

	Predicted 0	Predicted 1
Actual 0	436	64
Actual 1	110	390

Test Set Accuracy Comparison