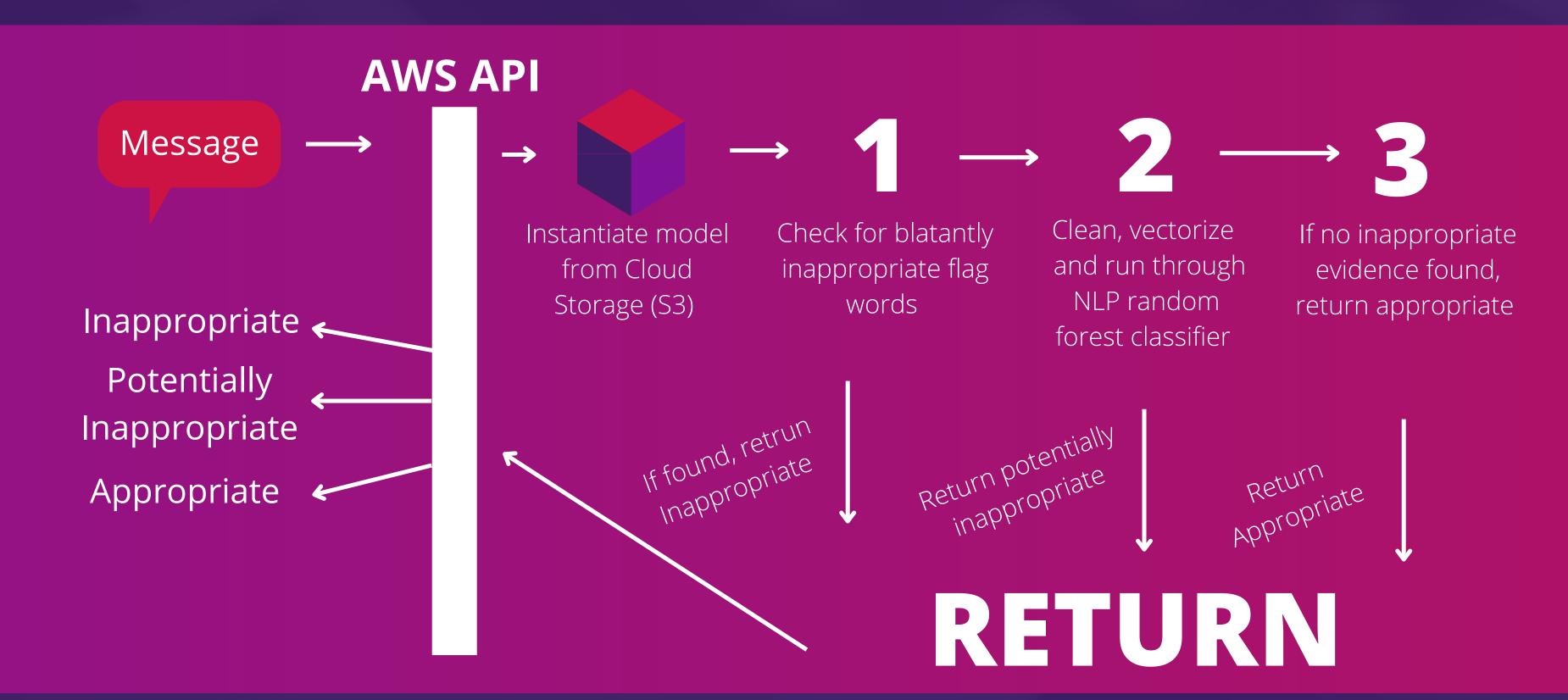


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# OBJECTIVES

- Identify and flag potentially inappropriate or abusive messages sent by users
- Maximize Accuracy
- Minimize Latency
- Create an API to receive messages and return responses
- Integrate with existing Mutual servers

## MODEL



### RESULTS

#### Accuracy

Random Forest in conjunction with flag word dictionary has a prediction accuracy of 82%

#### Latency

All models, vectorizers and lexicons stored on the cloud (S3) for fast retrieval

After initial cold start, responses take less than 200ms on average

#### Integration

All code stored on AWS Lambda, and called by AWS API Gateway

API Gateway can integrate with other AWS services, linking with Mutual's front end to show user messages

## EXAMPLE

