



Florida International University

2025 Capstone 2 Project

PATIENT SAFETY COMMENTS TOPIC ANALYZER

Students:

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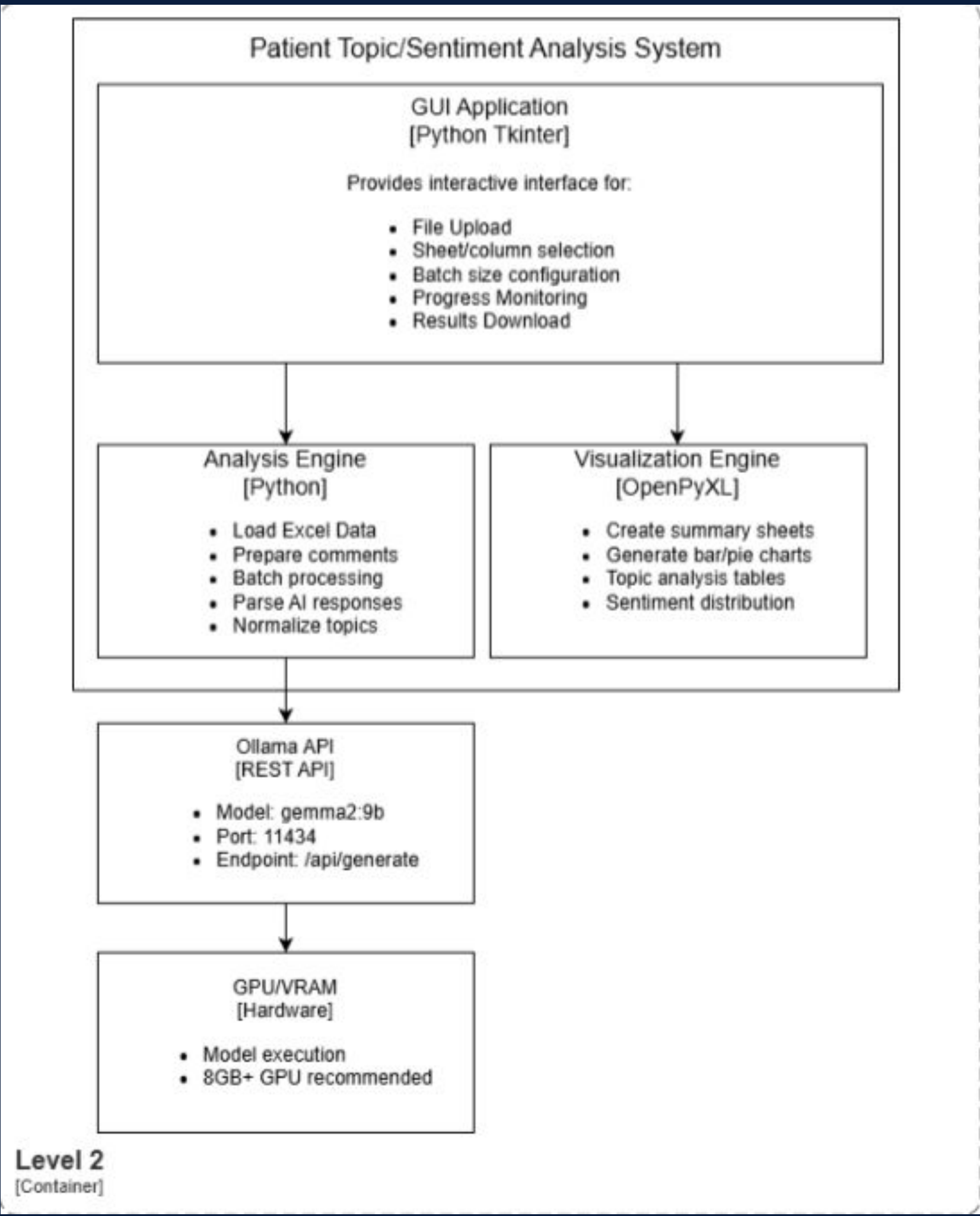
PROBLEM

Hospitals receive thousands of patient comments and survey responses, making it extremely time-consuming and difficult for staff to manually identify common issues, risks, and areas needing improvement.

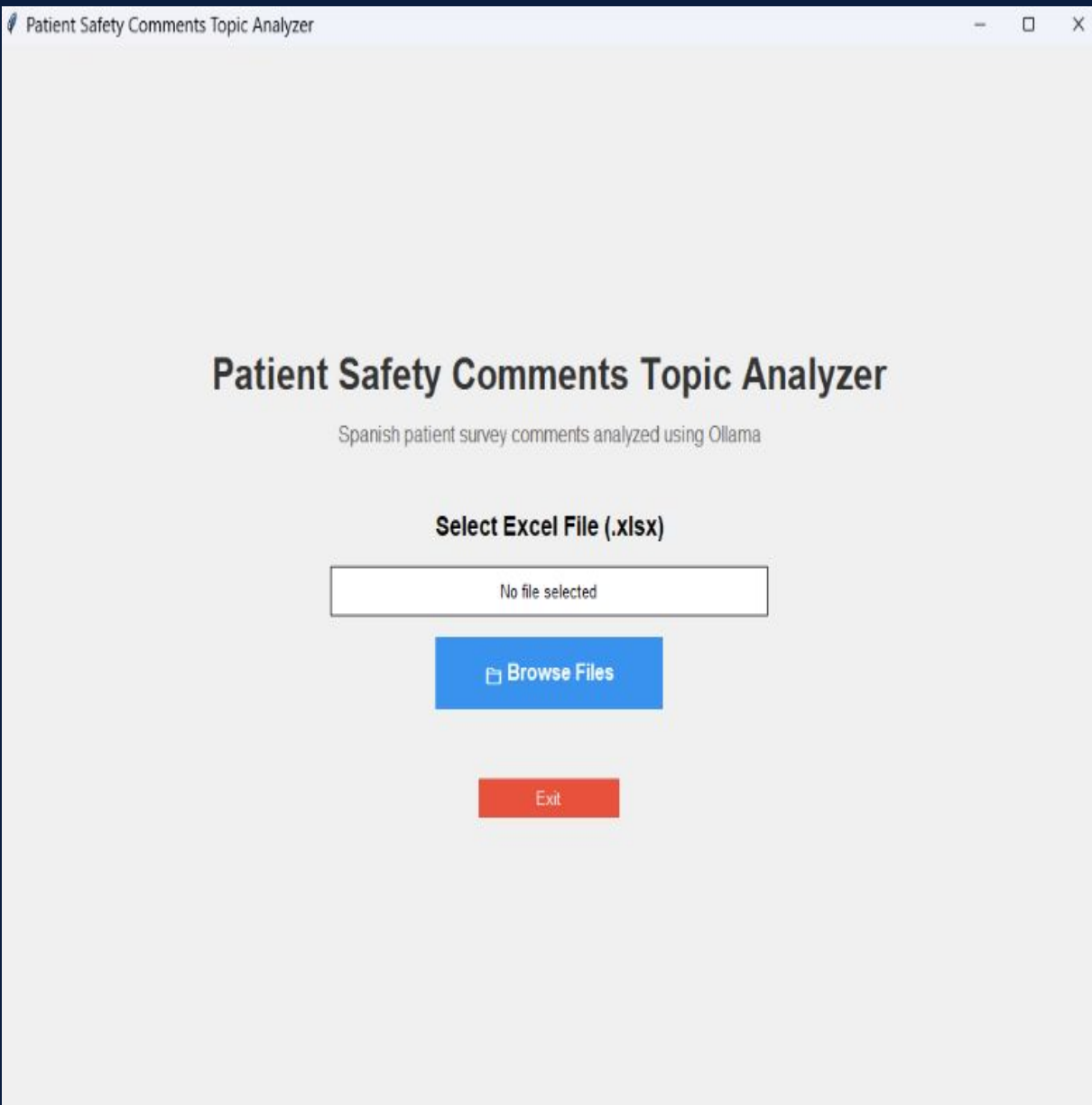
SOLUTION

Our solution uses artificial intelligence to automatically analyze thousands of patient comments, identify the most frequent topics and sentiment trends, and generate visual summaries that help hospital staff quickly detect and address potential issues.

Architecture (Level 2) Overview

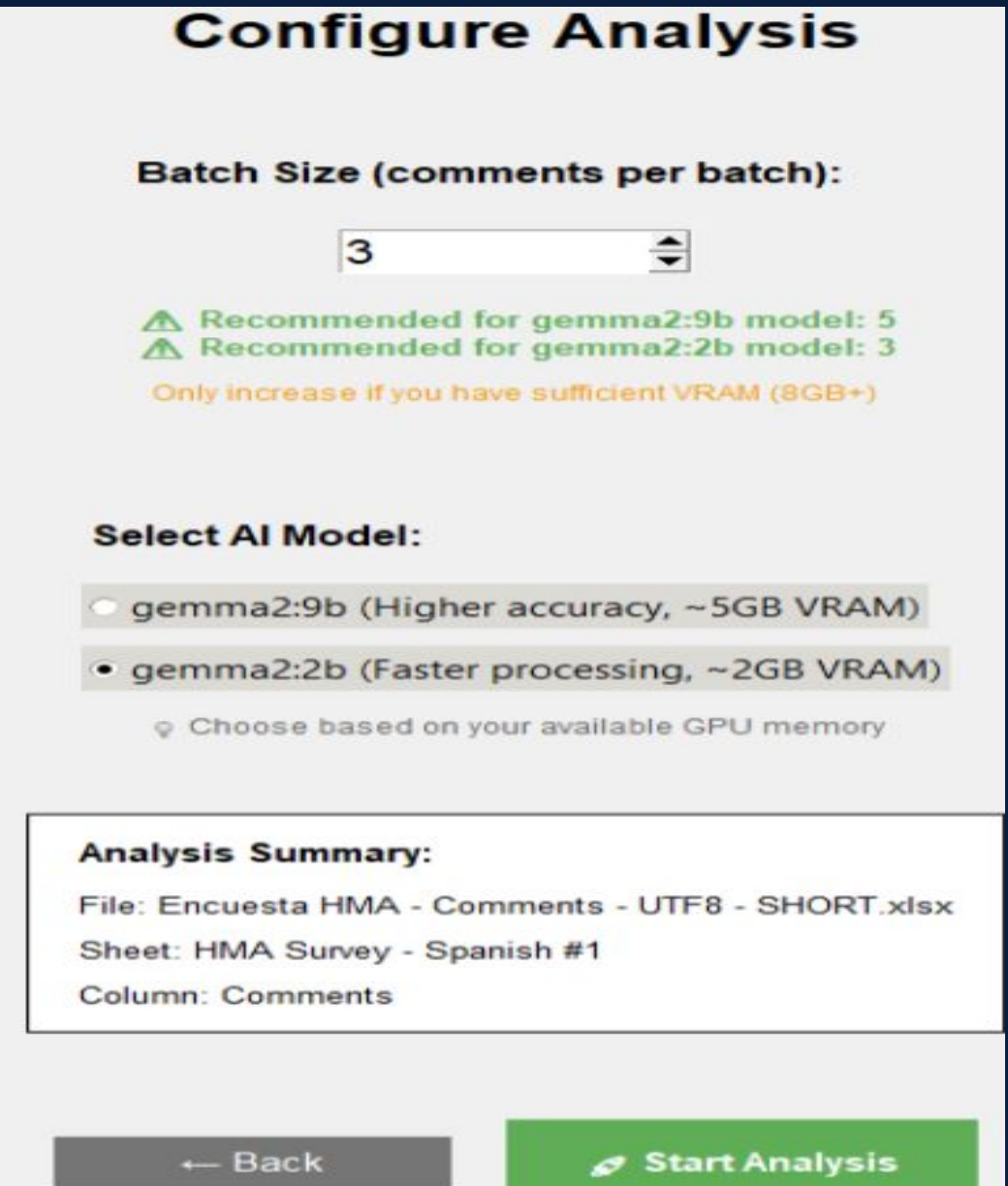


First load in the excel file where the data will be pulled from

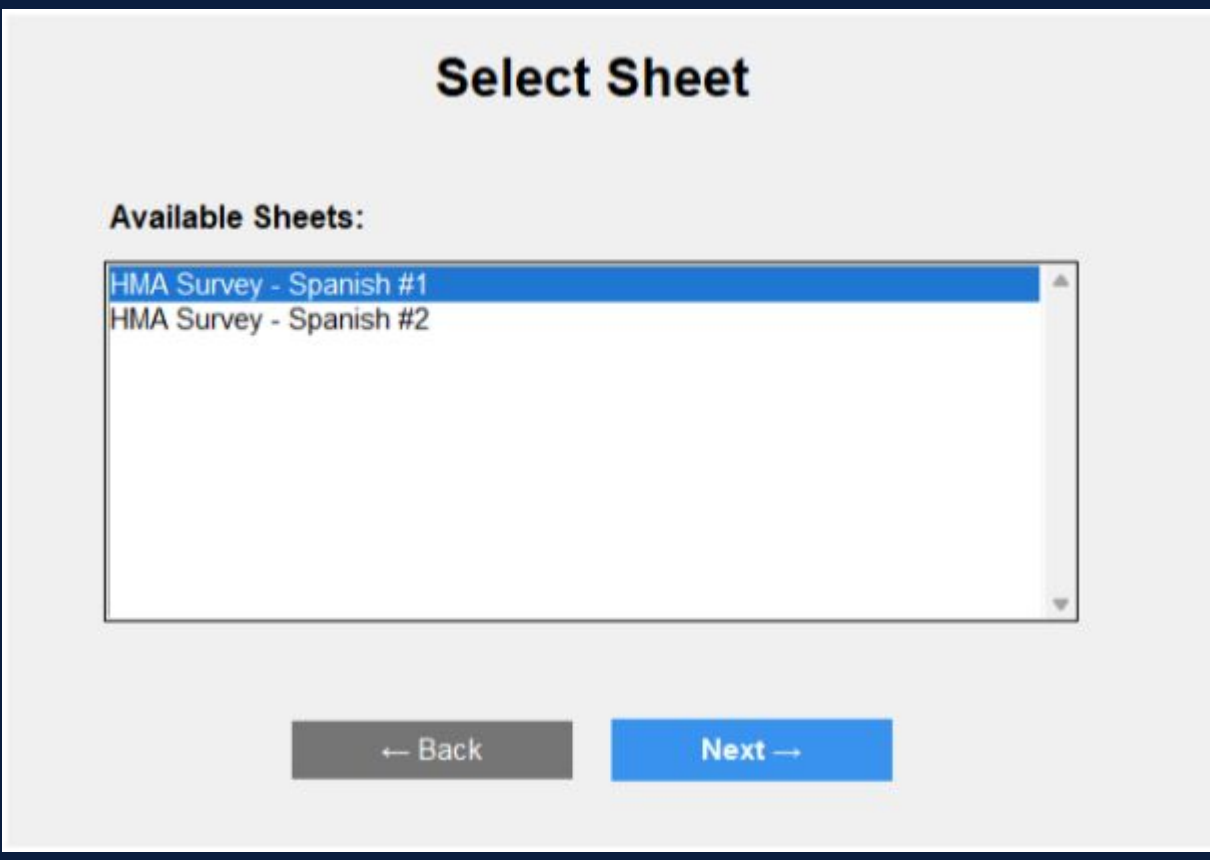


User Interface

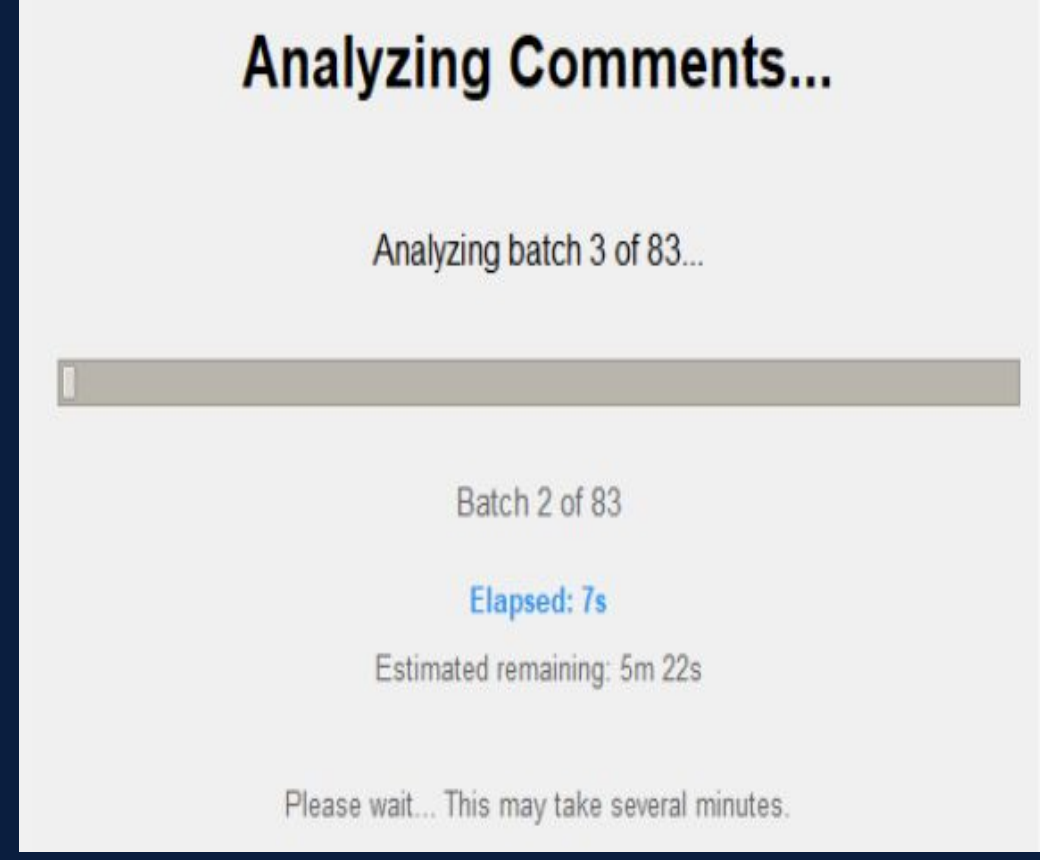
Select model as well as batch size.



Select the sheet that will be analyzed



Lastly wait for comments to be analyzed and download resulting excel file.



RESULTS

