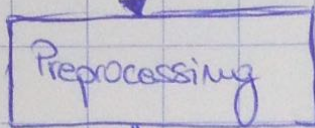
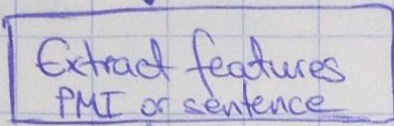


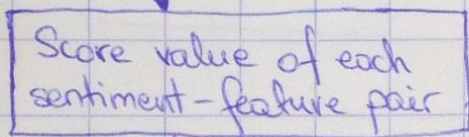
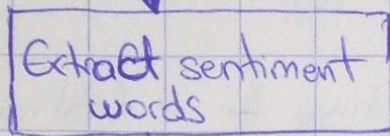
NLP



Tokenization
Stemming
POS tagger
Lemmatization
Remove stop words
Sentence splitter

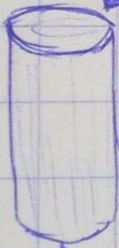


- Ontology based
- Double Propagation
- Word Net (domains & synonyms)
- Senti Word Net
- Score evaluation

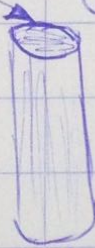


O_{ikl} = (Review i of listing l has a score O_{ikl} for aspect k)

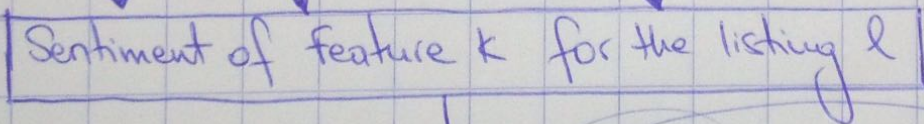
query the DB for each listing



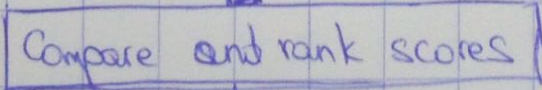
...



listing = $\{L_1, L_2, L_3, \dots, L_n\}$



User search the aspect *



Choose from ontology

Output: Ranked listings based on feature scores & evidence