

MODEL CLASSIFICATION AND SPECIFICATION

1.REQ EXTRACTION(NER MODEL)

find and extract requirement statements from raw text in documents.

(Pre trained BERT/mBERT and then fine tuning it for req NER)

I/O: RAW DOC/ENTITIES CORRES.TO REQ STATEMENTS

2.REQ. CLASSIFICATION MODEL(NFR)

Classifies doc into FR AND NFR

(text classification model preferably BERT and then tuning it)

I/O: REQ text/fr and nfr

3.REQ. QUALITY SCORING MODEL

Generates confidence scores based on good or bad

(use BERT or a custom)

I/O : REQ TEXT/scores

4.PRIORITIZATION MODEL

Predicts priority of each req.

()

I/O:

5.MULTILINGUAL REQ. EXTRACTION AND CLASSIFICATION MODEL

WILL SUPPORT REQ EXTRACTION AND CLASSIFICATION IN MUL. LANG.

(multilingual transformer model)

Will have to use translation and extraction

6.TEST CASE GENERATION MODEL :

Generates test cased from req.

(shows seq2seq pre trained model ex. T5,GPT-3/4)