

Task 1:

- a. We could use basic IF statements and Name Entry Recognition NPL to analyse both the email senders address and the content of the email.
NLP could analyse the email address and content, if it is truly odd like 1234abc.whfi@madeup125vw.com then it could just reject the email into spam.
After the NLP we would have an address book that has a list of contact with a category label.
Then the basic IF statements would move them into the corresponding folders.
- b. We can have a "Control Answer" then using Semantic Similarity NLP to compare student answers against it. Then the student answers can be compared to the control. The closer the match the better the grade.
For grading we can use IF OR statements.
If answer \Rightarrow 0.85:
Grade = "A"
If answer $>$ 0.70 and answer $<$ 0.85:
Grade = "B"
And so on.
- c. We can have key words and phrases, including common spelling errors and analyse the sentences against the control.
The resulting answers can provide the next question depending on similarities.
Eventually providing the doctor with all the patients answers along with the possible answers for the doctor to review and make final decision upon.