MAIS 202 – PROJECT DELIVERABLE 2
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1 – Final Training Results

We still don't have a solution to resolve the Kaggle submission problem. Since the test set don't include the labels necessary to evaluate our model, submitting to Kaggle is supposed to be the way participants know the accuracy of their model. We went to office hours and no solutions was found, but it was suggested to us to split our train set into a train set and a test set to get around our submission problem.

We are able to provide an approximate score thanks to the *val_accuracy* value returned when calling *bert_model.fit()*. We call the function with the parameter *validation_split = 0.2*, which means that 20% of the train set is reserved to calculate the *val_accuracy* for each epoch. When *epochs=4*, the accuracy score attained is 63%. Although we are aware that this is not optimal, we are still struggling with other problems in the implementation (like saving weights), and we'll try to increase this value is time permits.

2 – Final Demonstration Proposal

We have started the process of creating a webapp using Flask. We decided to use this technology simply because it was suggested by the MAIS team. Since we don't have any experience with web development, we attended the workshop on Flask to get insight into how to deploy our ML model. We are also consulting various online resources to help us with the implementation. Right now, we are able to display title/subtitle, instructions, input text boxes and a clicking button. The two text inputs given by the user are saved into variables, but we don't know how to give these values to our model. We plan on going to the office hours to get help with this. Here is a picture showing how the webapp looks like for now: