**M4 D5 – Team Challenge**

* MAIN TASK: Make model that predicts if a heart attack will occur with the most accuracy.
  + Data augmentation to increase the sample size by **exactly 50%**.
  + Create a new column of data using the existing data.
  + Create a model (only pick 1 model for final presentation) with highest heart attack prediction accuracy.
    - Must keep healthy prediction higher than 0.75 (75%)
  + Streamlit module
    - Streamlit must be interactive, you must be able to add new data and have it output a prediction.
  + Monitoring system:
    - Variables – age and sex are left constant.
    - Variables – Chest pain and blood pressure (any variable that could indicate a heart attack) can be updated.
    - Must generate a SOUND to alert if a heart attack is being predicted.
* WE NEED TO:
  + ~~Import data.~~
  + ~~Understand columns.~~
  + ~~Generate new column.~~
    - ~~Maximum heart rate over (x) and cp over 1?~~
  + ~~Augment 50% of data – MY TASK~~
  + ~~Create models to test accuracy~~.
  + Pick best one.
  + Have this one model link to streamlit
    - Streamlit makes Sound if your at risk of heart attack