LiveDataLab Leaderboard Competition

In your project proposal, please answer the following questions:

1. **What are the names and NetIDs of all your team members? Who is the captain? The captain will have more administrative duties than team members.**
    a. Raoul Larios (NetID:rlarios2) - Captain
    b. Lydia Brothers (NetID:lydianb2)
    c. Asritha Bobbala (NetID:asritha2)
    d. Hammad Ali (NetID:hali53)

2. **What is the type of your project: Is it Data Set Creation or Leaderboard Competition Creation?**

    Leaderboard Competition Creation

3. **If your project is Data Set Creation, what is the novelty of your data set as compared with all the existing data sets? Which of the existing data sets is the closet to yours? What new task can your new data set be used to evaluate? How do you plan to create the data set?**

    N/A

4. **If your project is Leaderboard Competition Creation, which data set do you plan to use? Do you have access to that data set? What is the task that will be evaluated using the data set? How do you envision the participants will participate in the competition?**
    The dataset we plan to use for this project is the Twitter Tweets Sentiment classification dataset located here:
    https://www.kaggle.com/datasets/yasserh/twitter-tweets-sentiment-dataset
    The dataset has three columns: textID, text, and sentiment. The textID serves as a unique identifier and the text column contains the content of tweets. The sentiment column is categorical with the following options: neutral, positive, and negative. All teammates have access to the dataset above.

    The task that will be evaluated using the data is to classify twitter tweets with the sentiment of positive, neutral, or negative based on the provided labels. This is a multi-classification problem on twitter text data, and the specific algorithm selected by the participant is flexible. Based on a provided evaluation metric, the performance of the participant generated model will be evaluated against other participants.

    The participants will participate in the competition by modifying functions within a provided template project to optimize the classification of the model. Better model performance will correspond to a higher score and ranking in the competition.