**3 parts of the project:**

1. Reduce misclassification (Aries, Lan, Anshuma)

2. R Shiny App (Hannah, Karlie)

3. Correlation (Hannah, Anshuma)

RShiny will be have the result of our project:

(a) Visualizations (b) Cuisine (result of our classification) (c) Correlation

Visualizations with respect to:

1. Which ingredients are used the max in a particular cuisine

2. The most peculiar ingredients in each cuisine

3. maybe a world map showing the cuisines geographically

4. A network diagram showing the relations among the ingredients

Algorithms:

1. PCA + Bag of words + 1 Algorithm : Random Forest – Lan

2. SVM + logistic + KNN: Aries

3. Naïve Bayes + Decision Tree : Anshuma

**To Do:**

1. Read the paper

2. Figure out the algorithm structure

3. Think about what more visualizations we can have