We will instantiate instances of Data by using the driver. The data class stores the data after processing it. All non-numerical values will be converted to numbers so we can work with them. All classifications will also be numerical. A switch statement within the Data class will determine the set of rules needed for the individual processing of each data set. Once the data is made numerical and organized correctly it will be bucketized into 10 sets of training sets and testing sets. This will be stored as an array list of size 10 that holds another array list of size 2 that hold the testing and training sets. The testing and training sets will also be represented by a 2 dimensional array list. Now that we have an instantiated set of data we will run it through the appropriate algorithm classes, which will use the MathFunction class as needed to get results. The results will be sent back to the driver class, which will then use the process results class to calculate the appropriate loss functions for the data sets, based on whether a confusion matrix was returned or not. Below is a preliminary UML diagram of the program