This final project is designed to incorporate all the tools learned throughout the course. You will need to create a class named ChatSesssion where it will have a constructor that will take in a parameter called filename. The file used is found [here](https://ucsdextension.instructure.com/courses/1826/files/2287451/download?wrap=1). The constructor will create include the following variables:

        self.numLines = 0  
        self.TagsList = []  
        self.MembersList = []  
        self.TimesList = []  
        self.UniqueMembersList = []  
        self.UniqueTagsList = []  
        self.MessageList = []

It should open the file and begin reading each line and populating the variables above in a for loop

        f = open(filename, "r")  
        records = f.readlines()

        for record in records:

                      ............................

The file consists of Tags, Timestamps, Members, Users, and Messages. Because there are multiple members you will need to create a Unique members list that hold the name of the unique members as well as unique tags. The class should contain the following tags that will return the information above:

    GetNumLines(self):  
    GetTagsList(self):  
    GetTimesList(self):  
    GetMembersList(self):  
    GetUserSysList(self):  
    GetUniqueMembersList(self):  
    GetUniqueTagsList(self):  
    GetMessageList(self):

Create an object to test out all the information above as follows:

sessionObj = ChatSessions('iphone\_07\_18-1.annot')