**CSE443 Object Oriented Analysis and Design**

**Erchan Aptoula**

**Homework 02**

**Seyfullah Becerikli**

**121044028**

# PART 1

My class diagram is below which I designed. I have an abstract class. I created that because email address book may have two types email address. They are group email and personal email. So those extends from EmailAddress class. EmailAddress class has eleven functions. They do not anything because the other classes will implement that functions.

**GroupMail Class:** It has some private fields. Also an EmailAddress list as composition. The list can hold personal email address and group email address. So there might be group email address inside group email address. It has getter and setters.

**PersonalMail Class:** This class has same data fields except a mail list. Also has constructor and other functions.

**MyAddressBook Class:** It has maillist. It's constructor takes an EmailList to create the Address book.