Homework 3
Seth Denney

7.2) Computer Email System
a)
Account Holder – An Account Holder is an entity that holds an account within the email system. This entity can send and receive emails to/from the account.
External Sender – An External Sender is an entity that does not hold an account within the email system, but sends an email to a specified address within the email system.
External Receiver – An External Receiver is an entity that does not hold an account within the email system, but receives an email from a specified address within the email system.
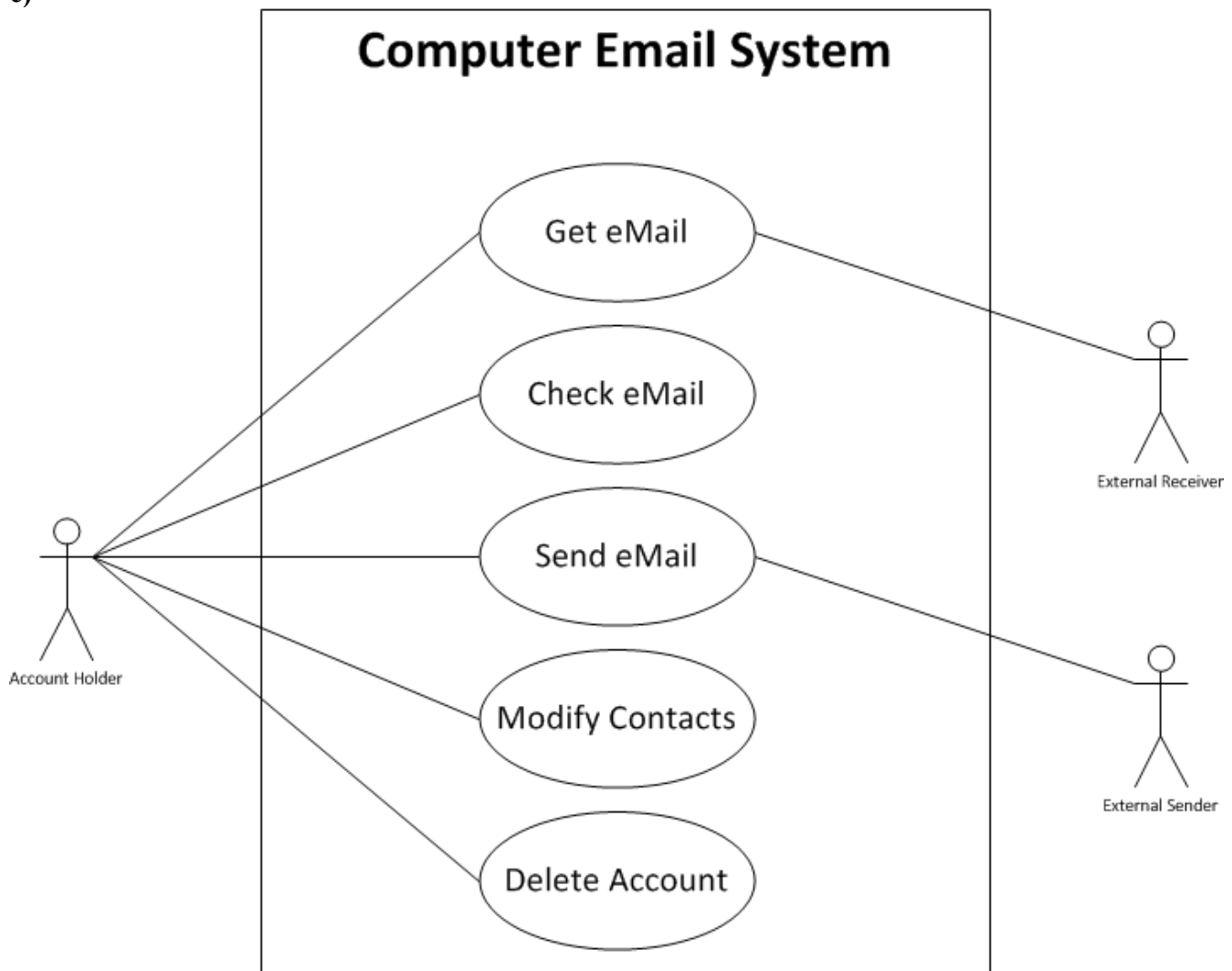**b)**
Send eMail – An Account Holder sends an email from within the system.
Check eMail – An Account Holder searches the inbox for mail.
Modify Contact List – An Account Holder modifies the list of contacts associated with the account.
Delete Account – An Account Holder deletes the held account.
c)

d)

Get eMail – An Account Holder receives an email from an Account Holder within or outside of the system. Getting eMail does not require the Account Holder to Check eMail.

Send eMail – An Account Holder logs into the system, and sends an email to another Account Holder within or outside of the system.

Check eMail – An Account Holder logs into the system, and searches the inbox for mail. The Account Holder can choose to respond by Sending eMail, and may Get eMail while in the act of Checking eMail.

Modify Contact List – An Account Holder logs into the system, and modifies the list of contacts associated with the account. The Account Holder may Get eMail while in the act of Modifying Contact List.

Delete Account – An Account Holder logs into the system, and deletes the held account. The entity that was previously an Account Holder is no longer an Account Holder unless the entity is associated with an additional account.

e)

Get eMail – An Account Holder receives an email from an Account Holder within or outside of the system, but the mailbox is at full capacity, and cannot store it. The user may delete some number of older messages to make space for the new message.

Send eMail – An Account Holder logs into the system, and sends an email to another Account Holder within or outside of the system, but the address of the intended recipient is not valid. An error is displayed.
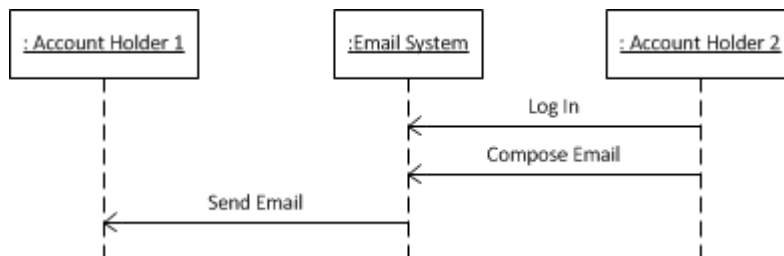
Check eMail – An Account Holder attempts to log into the system to check the inbox, but the server is down for maintenance, preventing login. A message is displayed, and the Account Holder may Check eMail at a later time.

Modify Contact List – An Account Holder logs into the system, and modifies the list of contacts associated with the account. The Account Holder may Get eMail while in the act of Modifying Contact List.
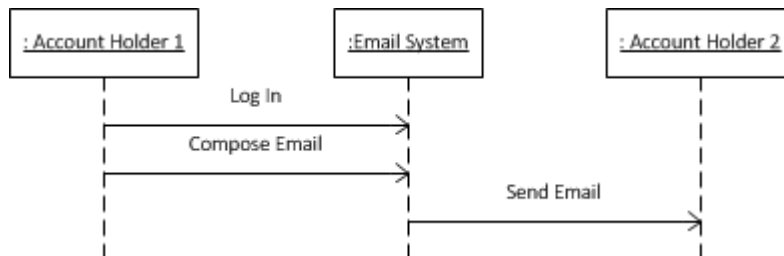
Delete Account – An Account Holder logs into the system, and deletes the held account. The entity that was previously an Account Holder is no longer an Account Holder unless the entity is associated with an additional account.
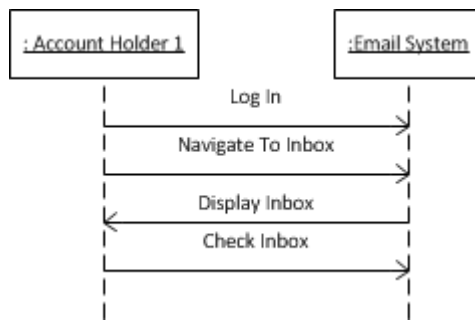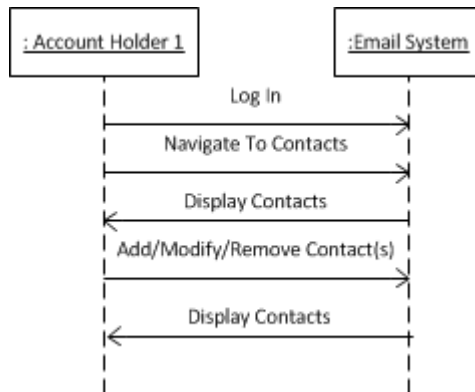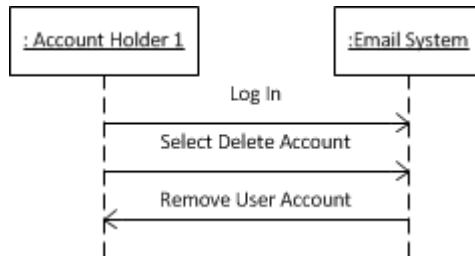
f)

Get Email

Send Email

Check Email

: Account Holder 1   :Email System

Log In

Navigate To Inbox

Display Inbox

Check Inbox

Modify Contact List

: Account Holder 1   :Email System

Log In

Navigate To Contacts

Display Contacts

Add/Modify/Remove Contact(s)

Display Contacts

Delete Account

: Account Holder 1   :Email System

Log In

Select Delete Account

Remove User Account

7.3) Online Airline Reservation System
a)
Customer – A Customer is an entity that searches for and potentially books an available flight.
Airplane – An Airplane is a vehicle that can be reserved by Customers through the Online Airline Reservation System.
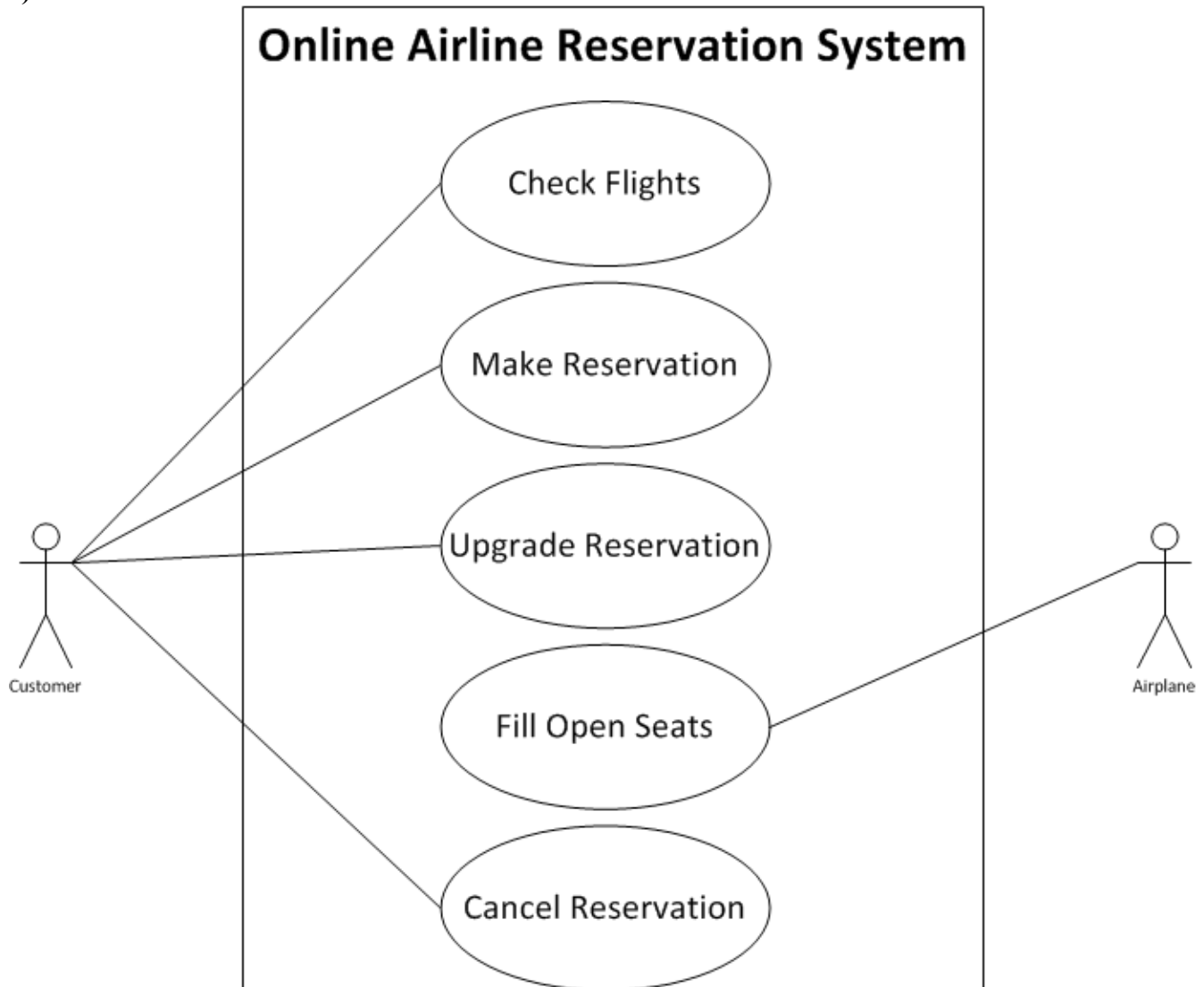**b)**
Check Flights – A Customer opens the system to check the availability of desired flights.
Fill Open Seats – An Airplane that has open seats will fill them through the Reservation System.
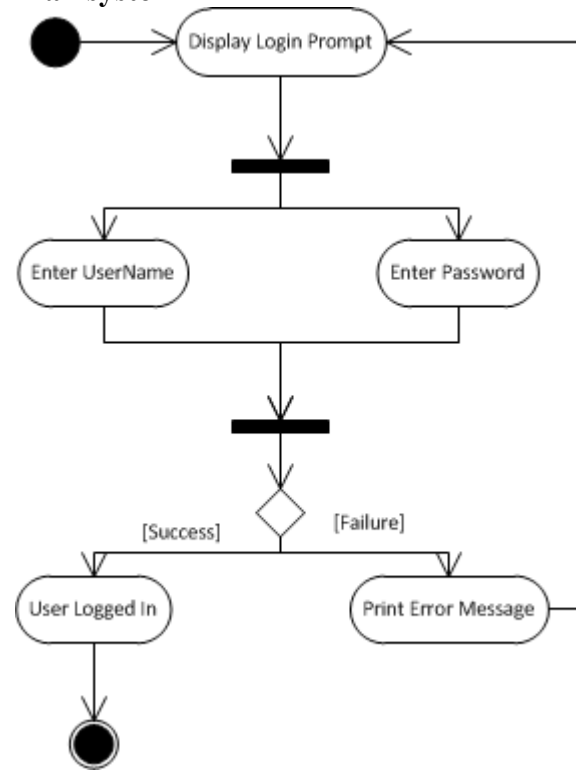Upgrade Reservation – A Customer can choose to upgrade their reservation to a higher class.
Cancel Reservation – A Customer can choose to completely cancel their reservation.
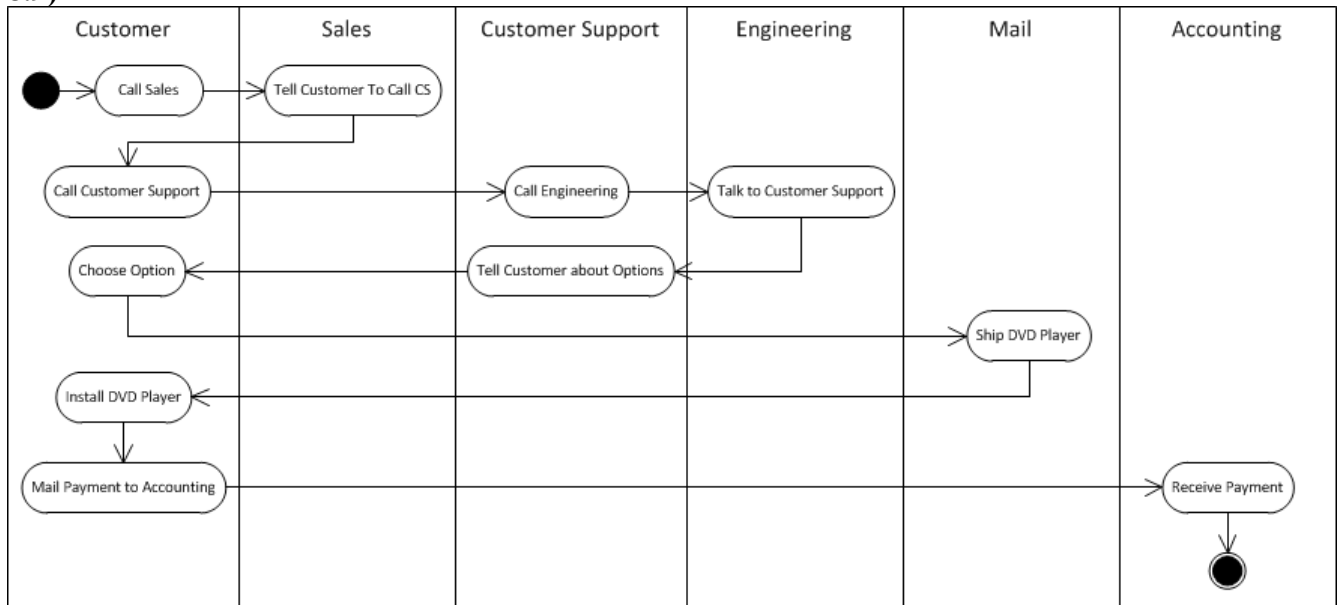**c)**

7.10)   Log into Email system

8.9)

8.10)