**Assignment 4: Sequence Diagrams**

Case 1:

Steps:

Actor actions System Responses

1. User calls and waits 5 rings 2. Voicemail prompt plays

3. User leaves voicemail message

4. Owner accesses mailbox later 5. Voicemail plays

Case 2:

Steps:

Actor actions System Responses

1. Owner remote accesses mailbox 2. Prompts for command 3. Owner deletes messages 4. System confirms there are no new messages

Case 3:

Steps:

Actor actions System Responses

1. Administrator accesses system 2. Prompts for command 3. Admin is deleting unused mailboxes 4. Admin accesses delete mailbox option 5. Gives list of mailboxes that can be deleted

6. Admin deletes them 7. System confirms deletion

Case 1:

:Owner

:Mailbox

:Phone

PlayMessage

Play

Record

Owner

PlayMessage()

Record()

Play()

getDialCount

LeaveMeesage

Dial

Mailbox

Dial()

LeaveMessage()

getDialCount()

Phone

User

Case 2:

Case 3:

Delete

Delete()

getConfirm()

confirmDelete()

Access

SystemConfirm

SystemConfirm()

Access()

DeleteMessage()

:System

:Mailbox

getConfirm

confirmDelete

System

Mailbox

Owner

:Mailbox

:System

displayMailbox()

delete()

Mailbox

Access()

ConfirmDelete()

System

Admin

delete

displayMailbox

getCommand()

deleteMailbox()

deleteMailbox

ConfirmDelete

getCommand

Access