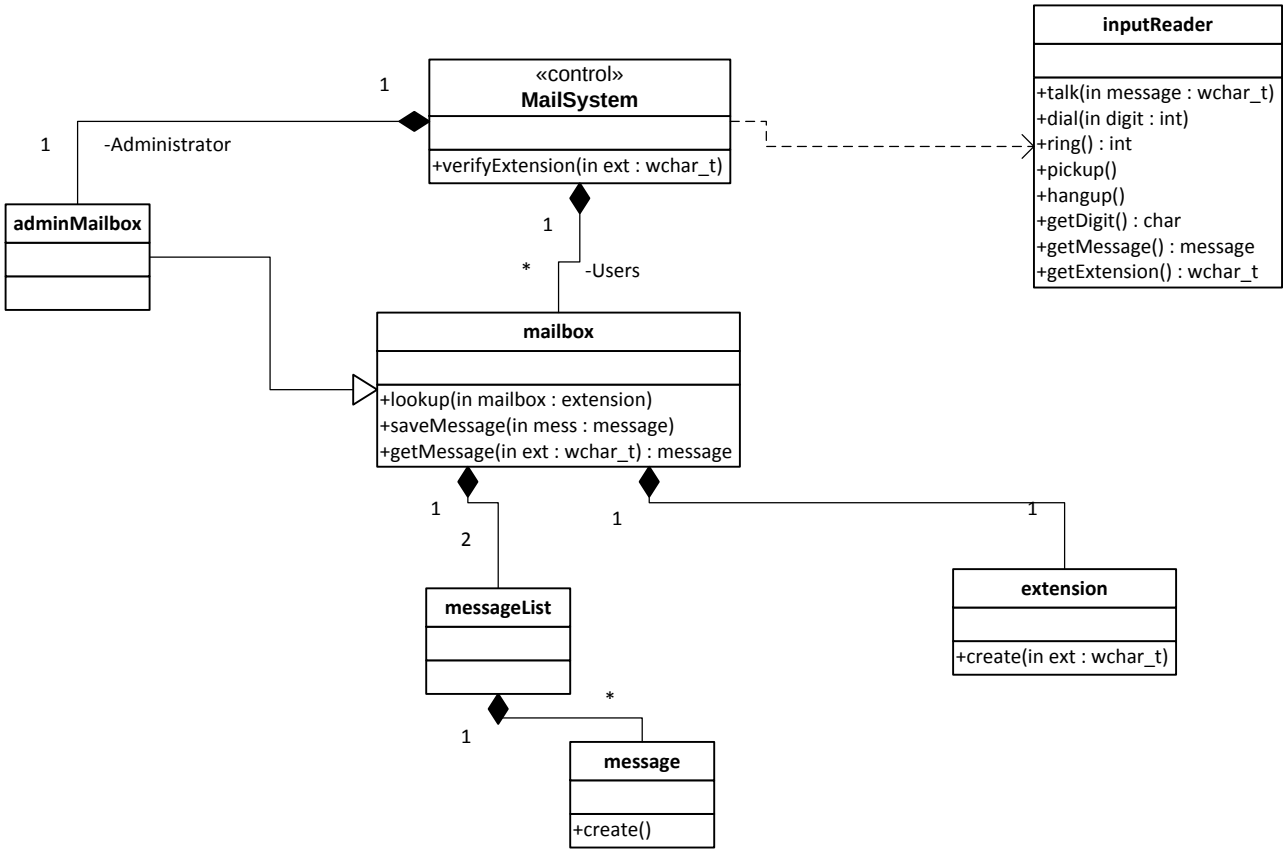
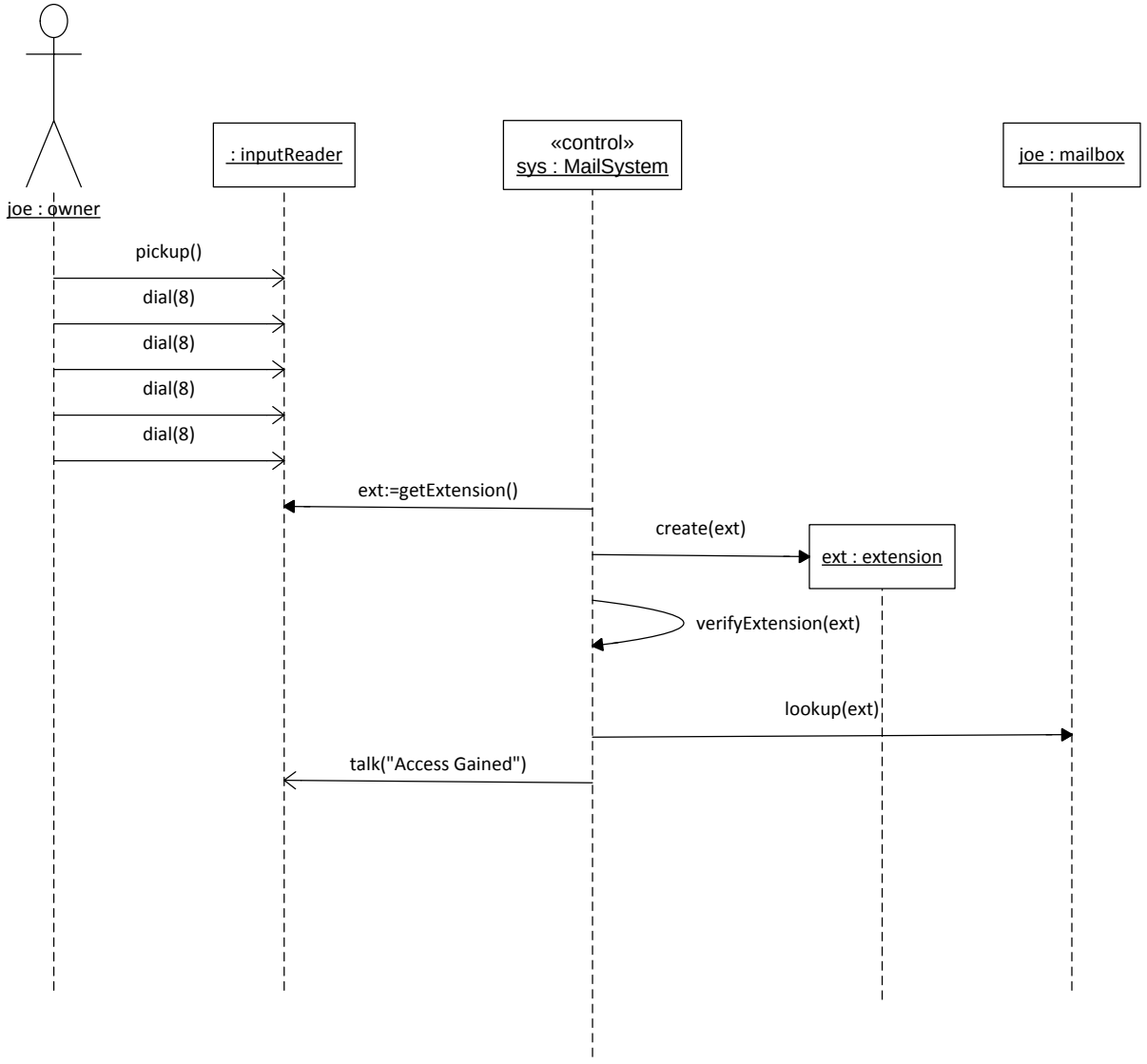
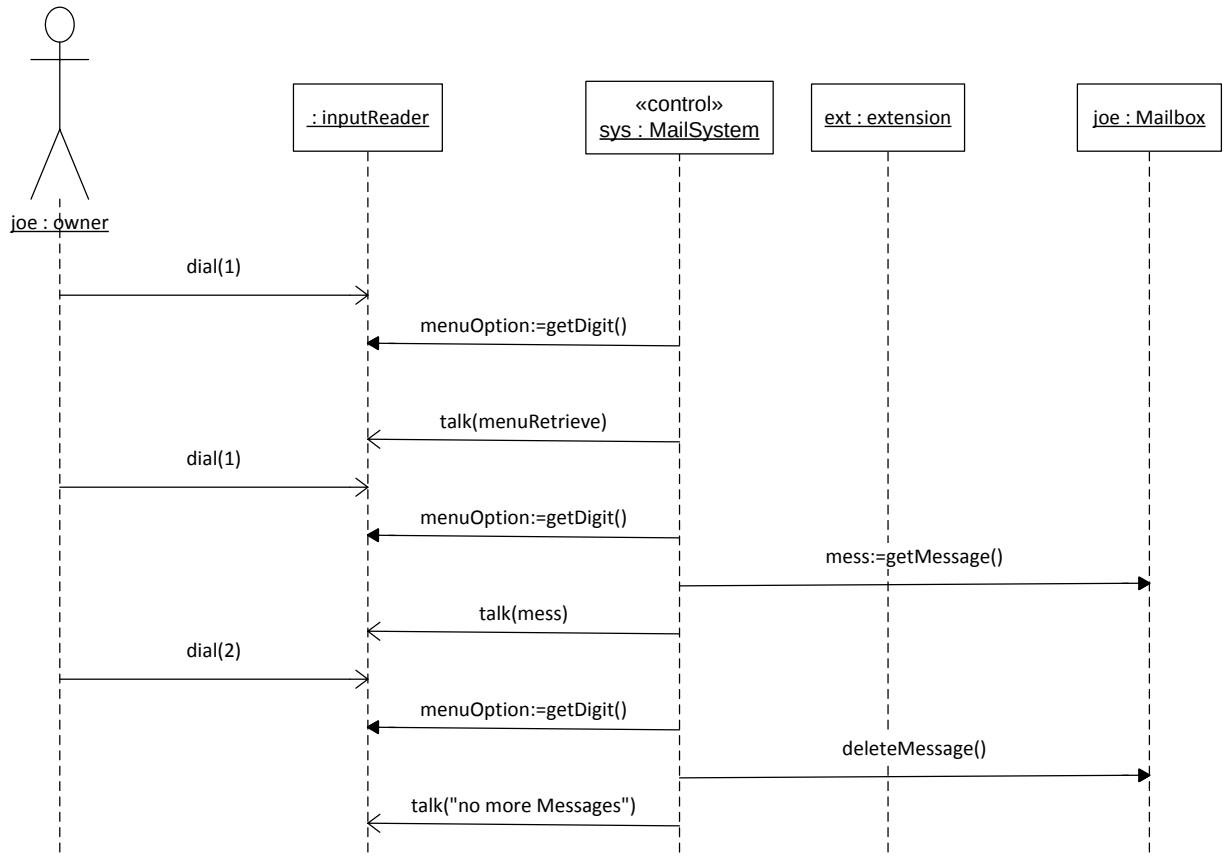
Class Diagram



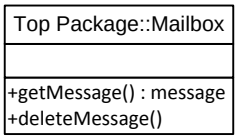
Access Mailbox



Retrieve a Message from Access Mailbox

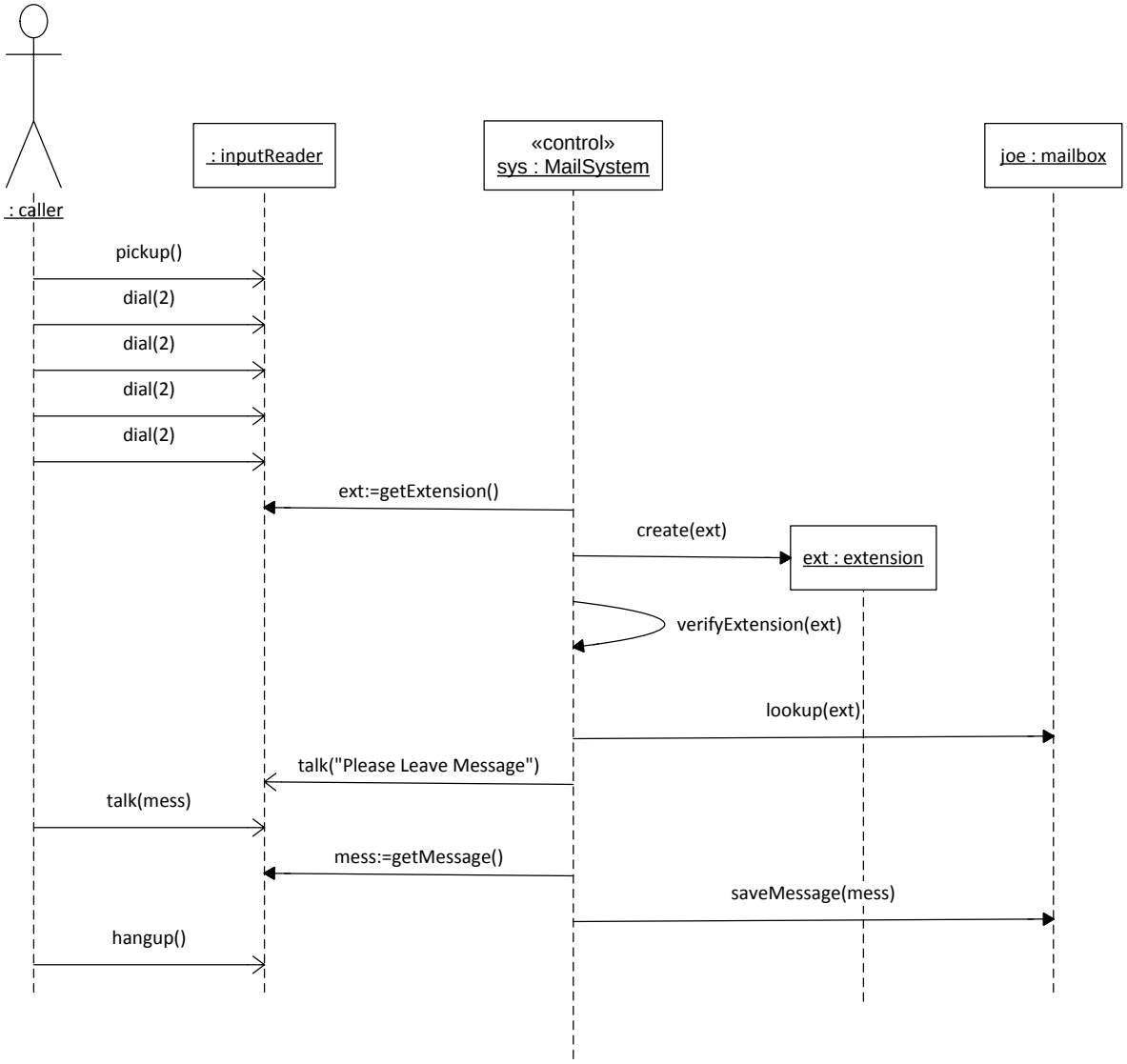


Retrieve a message

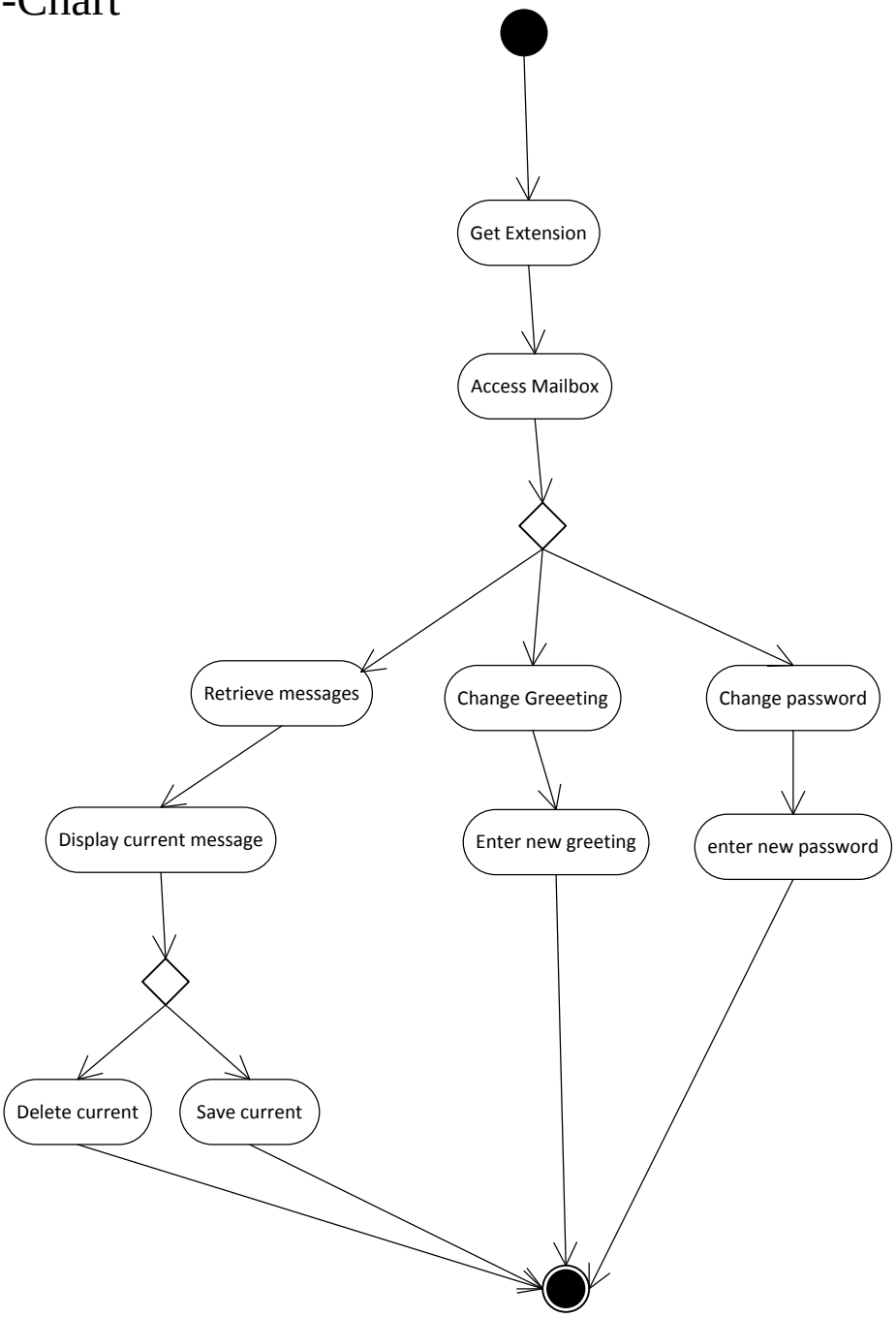


Precondition: The mail box has been accessed by the owner
1. User presses "1"
2. Retrieve message menu is played:
   a. Press 1 to hear current message
   b. Press 2 to delete current message go to next message
   c. Press 3 to save current message and go to next message
   d. Press 4 to return to main menu
3. User presses 1
4. Current message is played
5. User presses 2
6. Message is deleted
7. "No more remaining messages"
8. System returns to main menu

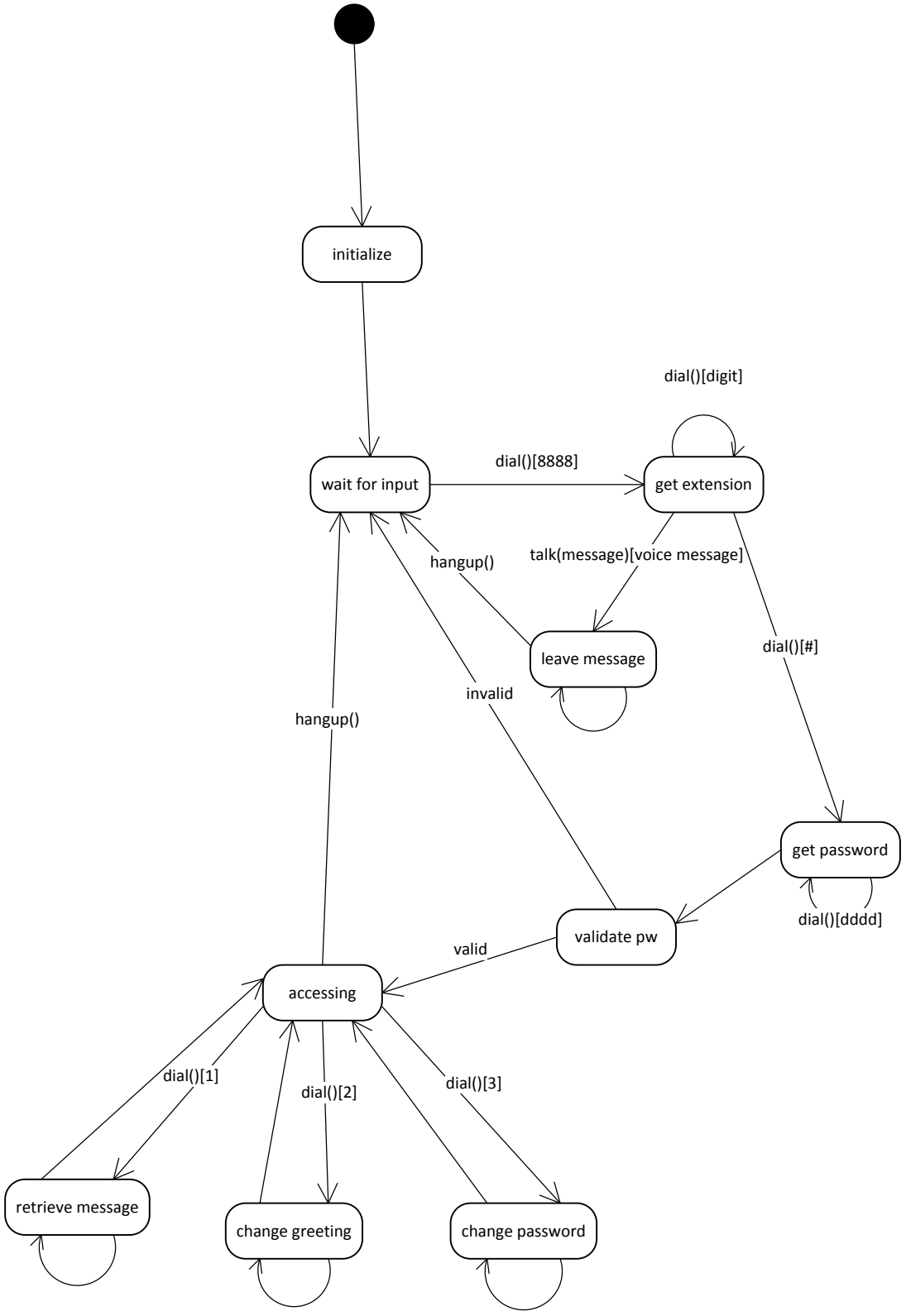
Leave Message

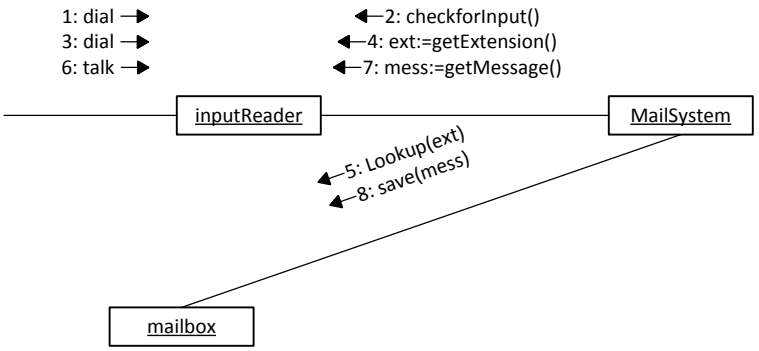


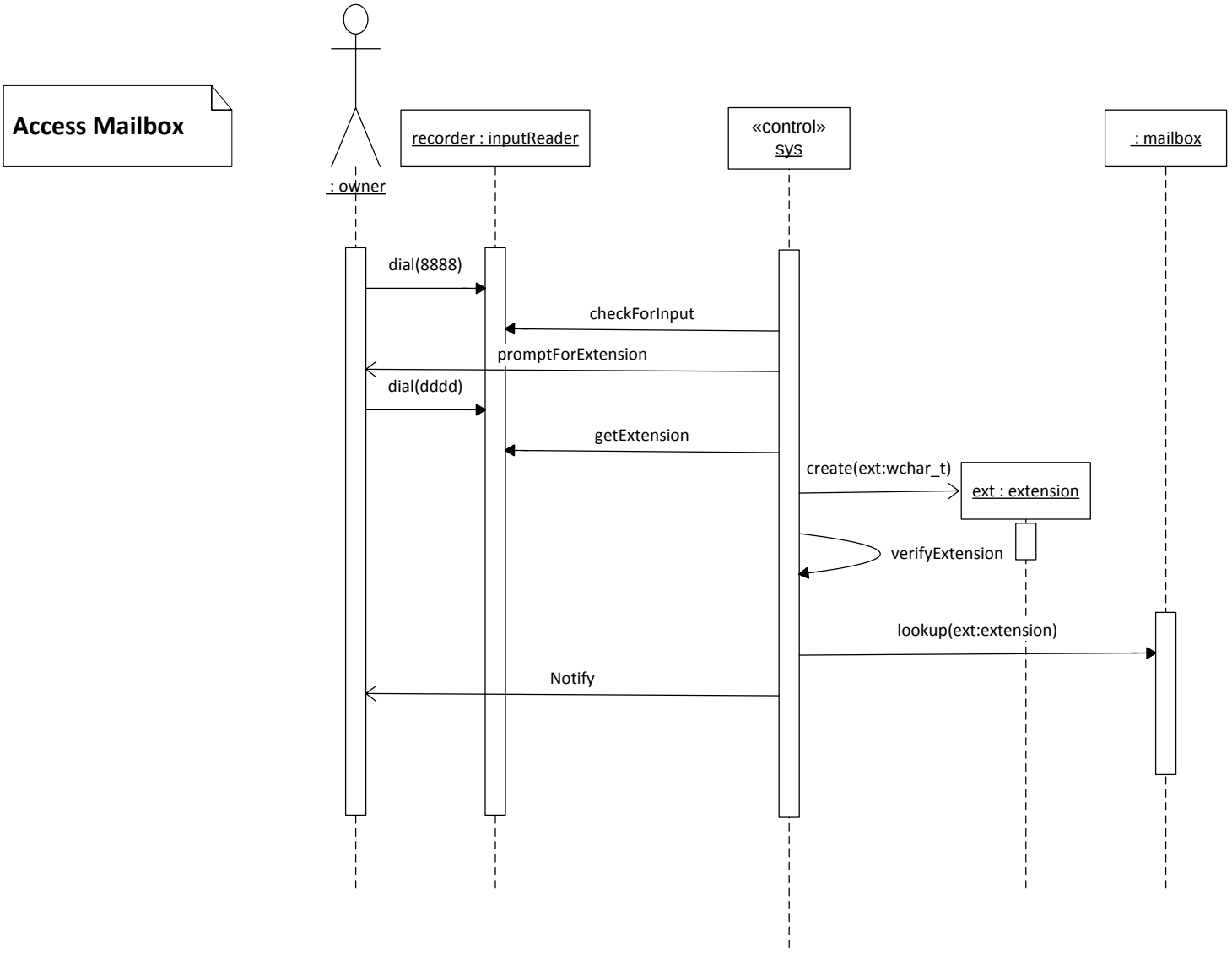
Activity-Chart

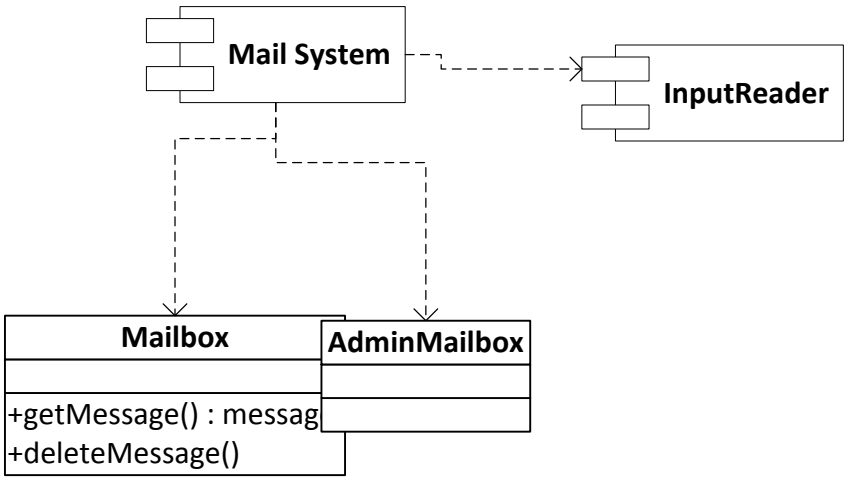


State Chart


initialize
wait for input
dial()[digit]
dial()[8888]
get extension
hangup()
talk(message)[voice message]
leave message
invalid
hangup()
dial()[#]
get password
dial()[dddd]
validate pw
valid
accessing
dial()[1]
dial()[2]
dial()[3]
retrieve message
change greeting
change password


1: dial
3: dial
6: talk
2: checkforInput()
4: ext:=getExtension()
7: mess:=getMessage()
inputReader
MailSystem
5: Lookup(ext)
8: save(mess)
mailbox


Access Mailbox
: owner
recorder : inputReader
«control»
sys
: mailbox
dial(8888)
checkForInput
promptForExtension
dial(dddd)
getExtension
create(ext:wchar_t)
ext : extension
verifyExtension
lookup(ext:extension)
Notify


Mail System
InputReader
Mailbox
AdminMailbox
+getMessage() : messag
+deleteMessage()