

Operation Contracts

Contract CO1: recordNewGreeting	
Operation:	recordNewGreeting()
Cross References:	UC3
Preconditions:	User has entered authenticated passcode.
Postconditions:	<ul style="list-style-type: none">- New recording is created.- New recording replaces Greeting.greeting recording.

Contract CO2: setPasscode	
Operation:	setPasscode(passcode)
Cross References:	UC5
Preconditions:	Passcode.passcode has been set previously.
Postconditions:	<ul style="list-style-type: none">- User has entered a 4 digit numeric-only passcode and it is now stored as Passcode.passcode;- Old passcode is replaced by the new one.

Contract CO3: deleteMessage	
Operation:	deleteMessage(inboxName : String, messageId : integer)
Cross References:	UC2
Preconditions:	AnsweringMachine.newMessages has messages.
Postconditions:	<ul style="list-style-type: none">- AnsweringMachine has deleted the Message with Message.messageId equal to the input message id from the Messages object of either AnsweringMachine.newMessages or AnsweringMachine.savedMessage.

Contract CO4: moveNewMessageToSavedMessages	
Operation:	moveNewMessageToSavedMessages(messageId : integer)
Preconditions:	Message with Message.messageId is stored in AnsweringMachine.newMessages.
Postconditions:	<ul style="list-style-type: none"> - Message with Message.messageId is removed from AnsweringMachine.newMessages. - Message with Message.messageId is stored in AnsweringMachine.savedMessages.

Contract CO5: deleteAllMessages	
Operation:	deleteAllMessages(inboxName : String)
Preconditions:	AnsweringMachine.newMessages or AnsweringMachine.savedMessages has Message objects.
Postconditions:	<ul style="list-style-type: none"> - Depending on the input String, either AnsweringMachine.newMessages or AnsweringMachine.savedMessages has deleted all of its Message objects.

Contract CO6: leaveMessage	
Operation:	leaveMessage()
Cross References:	UC1
Preconditions:	Owner has set up AnsweringMachine. The system has AnsweringMachine.passcode and AnsweringMachine.greeting initialized. AnsweringMachine.newMessages is not at capacity.
Postconditions:	<ul style="list-style-type: none"> - A new recording is made. - The recording is saved as a Message and added the the list of Message objects within AnsweringMachine.newMessages.