Team ültraLiteBeam
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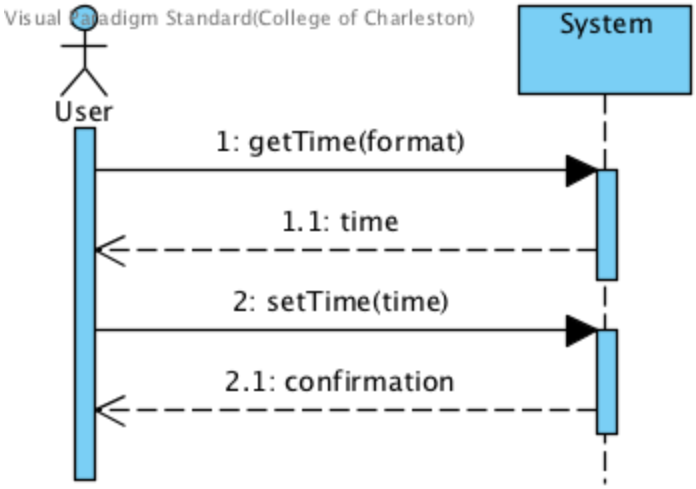
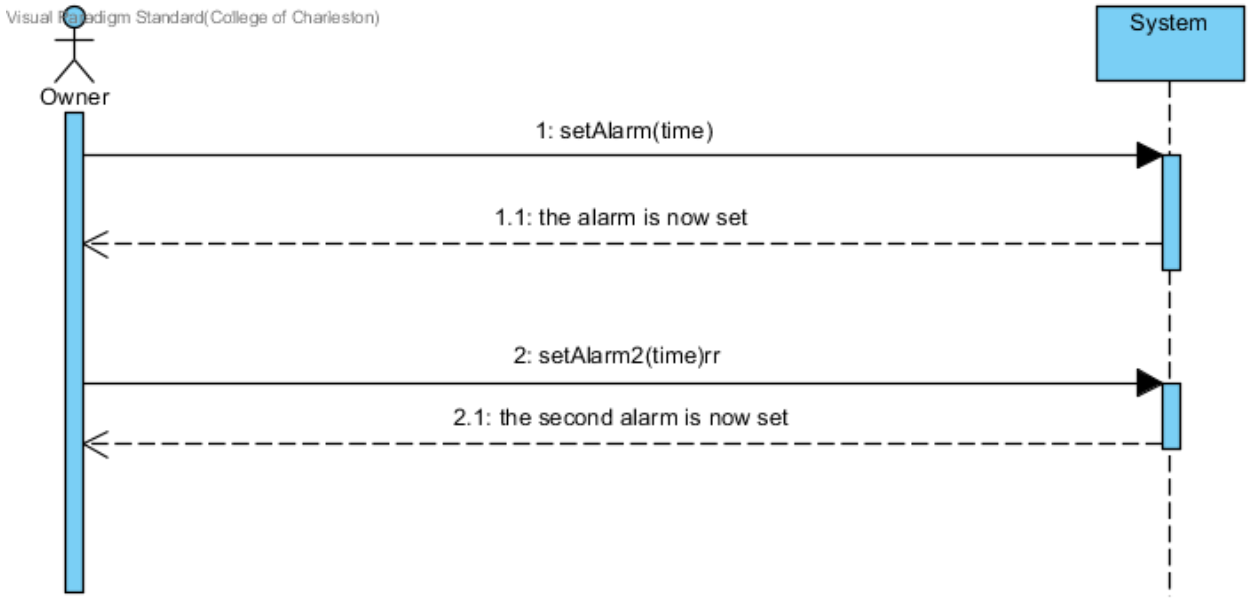
System Sequence Diagrams and Operation Contract

System Sequence Diagram

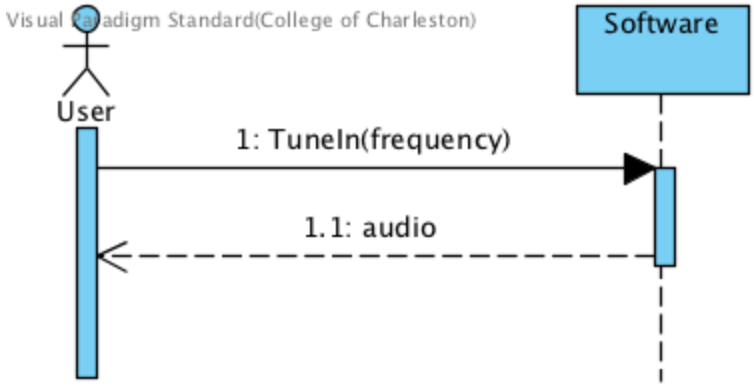
A) Read/ Set Time



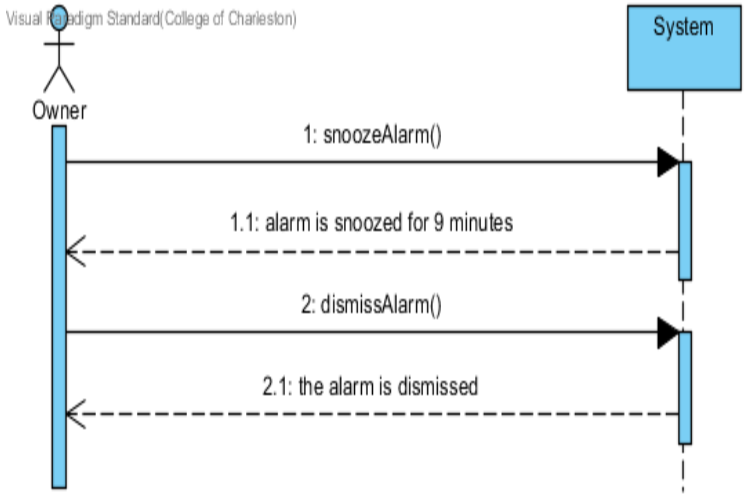
B) Set An Alarm



C) Tune Into Radio



D) Snooze Alarm



Operation Contracts

Name	tuneIn(frequency)
Responsibilities	Get the audio
Cross References	Use case
Exceptions	none
Preconditions	There is a usable radio frequency in the area
Postconditions	The user hears the radio at the correct frequency

Name	setAlarm(time)
Responsibilities	User sets an alarm at a specified time
Cross References	Use case
Exceptions	none
Preconditions	Alarm is not set, available alarm slot.
Postconditions	Alarm sounds at correct time

Name	getTime()
Responsibilities	User receives correct time
Cross References	Use case
Exceptions	none
Preconditions	There is electricity. The clock is set correctly.
Postconditions	User knows time

Name	snoozeAlarm()
Responsibilities	Delay alarm by 9 minutes
Cross References	Use case
Exceptions	none
Preconditions	User hits snooze button. Alarm was going off.
Postconditions	Alarm is delayed by 9 minutes

Name	
Responsibilities	
Cross References	
Exceptions	
Preconditions	
Postconditions	