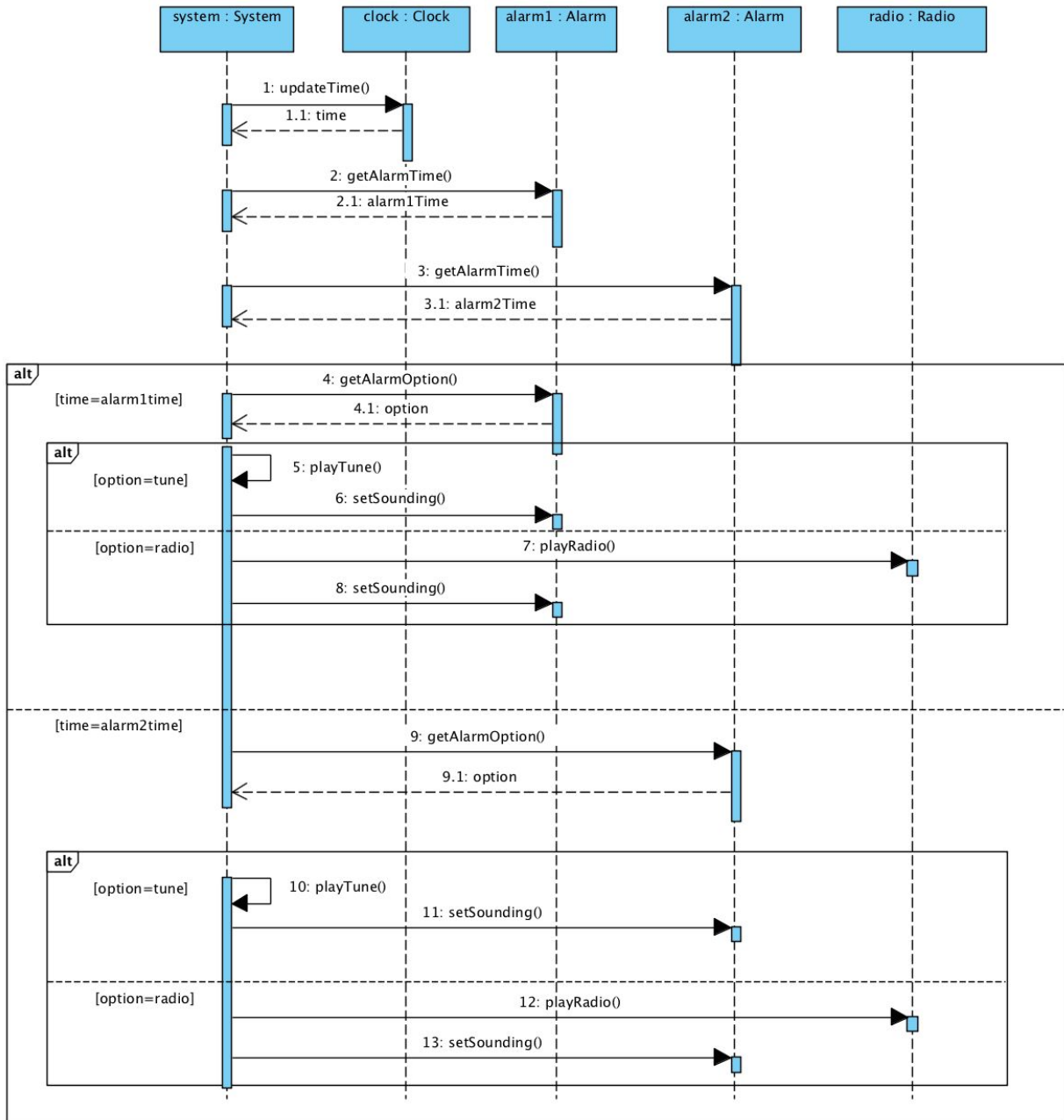
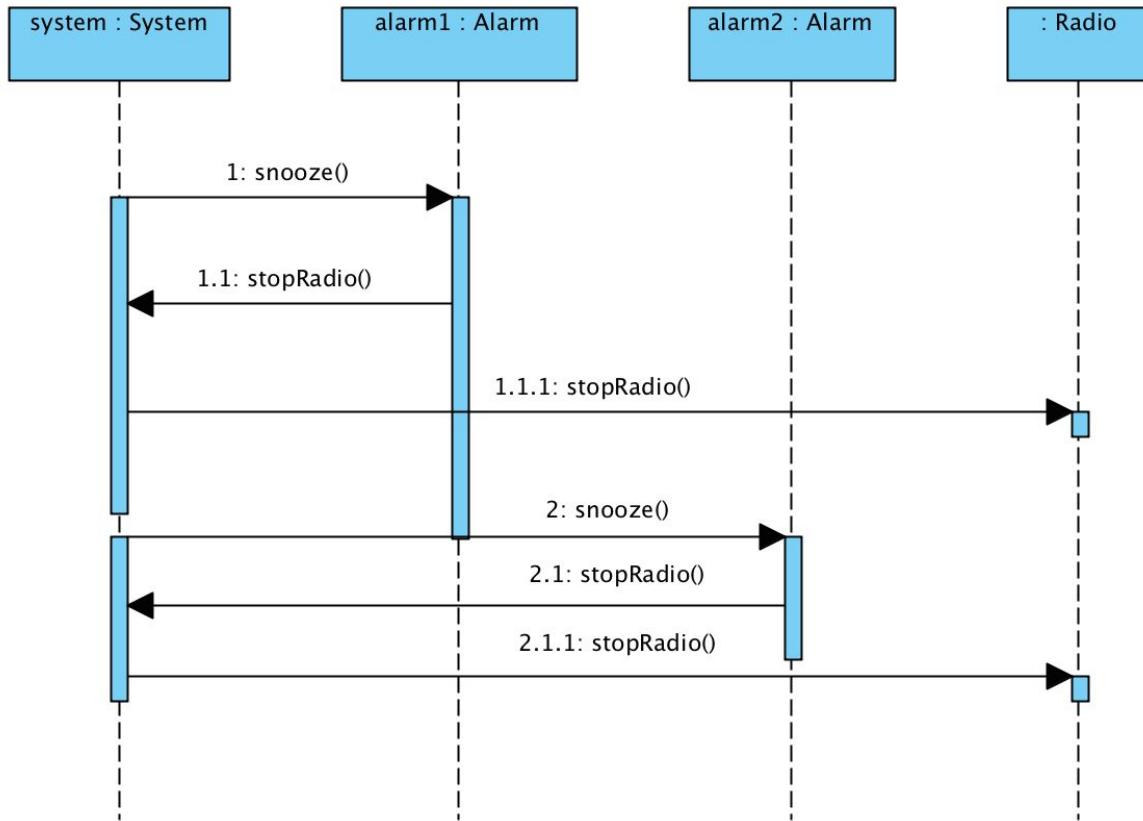


<u>Instance Name</u>	<u>Class</u>	<u>Responsibilities</u>	<u>Methods</u>	<u>Collaborators</u>	<u>Attributes</u>
<u>system</u>	<u>System</u>	<ul style="list-style-type: none"> - Creates the objects of the alarm clock - Manages the objects of the alarm clock - Manages interactions between the alarms and clock and between the alarms and radios - Knows the volume of the system 	<u>startRadio()</u> <u>stopRadio()</u> <u>startTune()</u> <u>stopTune()</u> <u>snooze()</u> <u>switchTimeFormat()</u> <u>updateTimeFormat()</u> <u>setTime()</u> <u>setAlarm()</u>	<u>clock</u> <u>alarm1</u> <u>alarm2</u> <u>radio</u>	<u>radio: Radio</u> <u>clock: Clock</u> <u>alarm1: Alarm</u> <u>alarm2: Alarm</u> <u>volume: int</u>
<u>clock</u>	<u>Clock</u>	<ul style="list-style-type: none"> - Knows the time of the alarm clock - Knows the time format of the alarm clock 	<u>setTime()</u> <u>getTime()</u> <u>switchTimeFormat()</u>	<u>system</u>	<u>time: int[]</u> <u>timeFormat: boolean</u>
<u>alarm1</u>	<u>Alarm</u>	<ul style="list-style-type: none"> - Knows the time of the first alarm - Knows the radio sounded for the first alarm 	<u>setAlarmTime()</u> <u>getAlarmTime()</u> <u>setAlarmOption()</u> <u>getAlarmOption()</u> <u>setSounding()</u> <u>getSounding()</u> <u>snooze()</u>	<u>system</u>	<u>alarmTime: int[]</u> <u>alarmOption: String</u> <u>sounding: boolean</u>
<u>alarm2</u>		<ul style="list-style-type: none"> - Knows the time of the second alarm - Knows the radio sounded for the second alarm 		<u>system</u>	
<u>radio</u>	<u>Radio</u>	<ul style="list-style-type: none"> - Knows the set station of the AM/FM Radio 	<u>startRadio()</u> <u>stopRadio()</u> <u>incrementStation()</u> <u>decrementStation()</u>	<u>system</u>	<u>radioType: String</u> <u>fmStation: double</u> <u>amStation: int</u>

Checking the Alarms



Snoozing the Alarms



Changing the Time Format

