

Contract 1: incrementHours

Operation: incrementHours()

Cross References: Use Case: Change Time

Preconditions: none

Post conditions:

An hour instance is created.

The attribute "hour" is increased by 1.

An association with time is created.

Contract 2: incrementMinutes

Operation: incrementMinutes()

Cross References: Use Case: Change Time

Preconditions: none

Post conditions:

A minute instance is created.

The attribute "minute" is increased by 1.

An association with time is created.

Contract 3: toggleAMPM

Operation: toggleAMPM()

Cross References: Use Cases: Change Time

Preconditions: none

Post conditions:

The attribute "AM/PM" is reversed.

An association with time is created.

Contract 4: decrementVolume

Operation: decrementVolume()

Cross References: Use Case: Change Volume

Preconditions:

Volume level must be  $> 0$ .

Post conditions:

The attribute "volume" is decreased by 1.

An association with alarm and radio are created.

Contract 5: incrementVolume

Operation: incrementVolume()

Cross References: Use Case: Change Volume

Preconditions:

Volume level must be  $< \text{MAXIMUM VOL.}$

Post conditions:

The attribute "volume" is increased by 1.

An association with alarm and radio are created.

