
Project

Report on Configuration DefaultConfig

PACKAGES

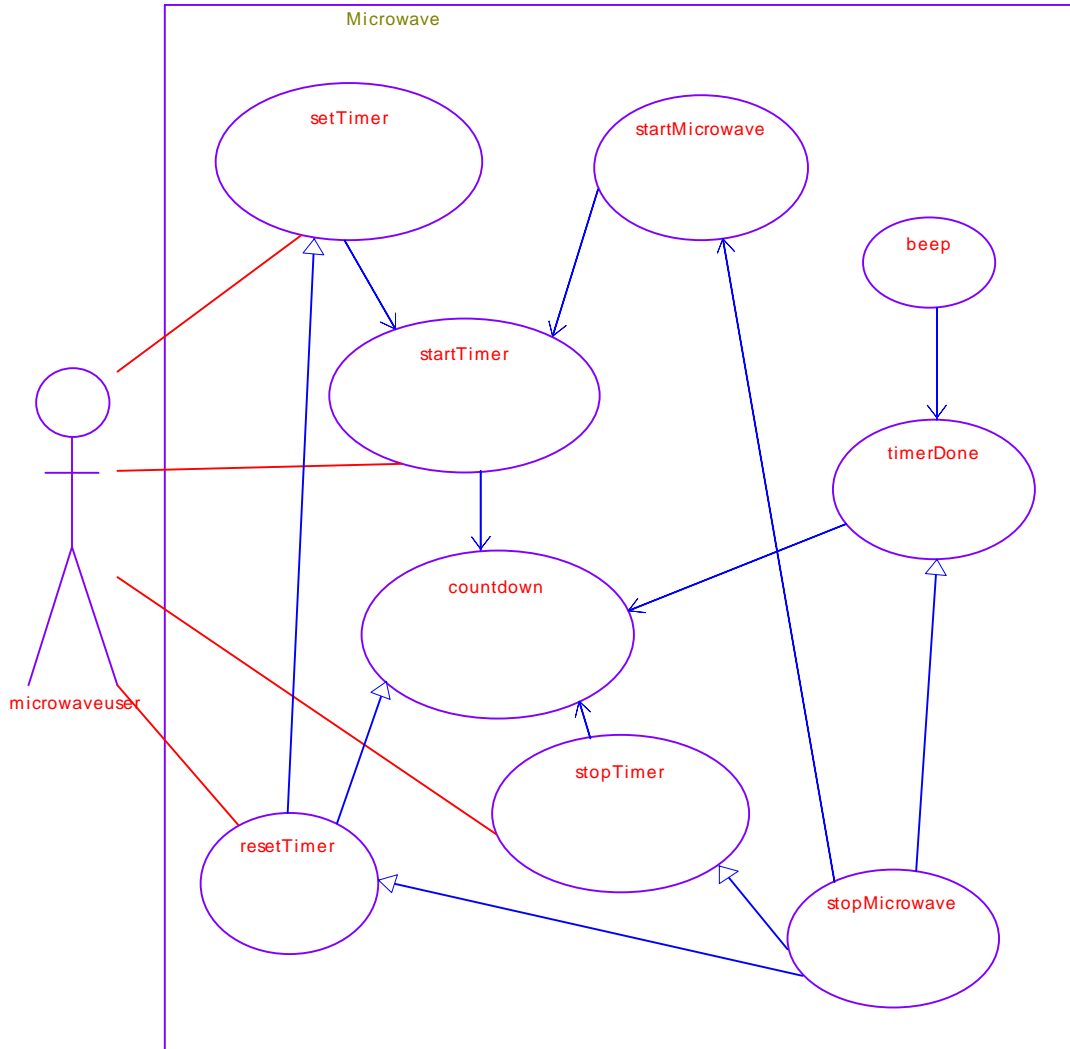
Microwave

Place your project proposal here.

USE CASE DIAGRAMS:

microwaveusecase

Use cases of the microwave.



Overridden Properties

Subjects:

General

Metaclasses:

Diagram

Properties:

LastModifiedTime: 10.21.2003::2:9:26

GLOBALS:

ACTORS:

microwaveuser

The microwave user has the ability to set the timer, start the timer, reset the timer, and open the microwave door (stop the timer).

Relations:

itsSetTimer

Association with setTimer, Multiplicity of 1, Bi-directional

itsStartTimer

Association with startTimer, Multiplicity of 1, Bi-directional

itsStopTimer

Association with stopTimer, Multiplicity of 1, Bi-directional

itsResetTimer

Association with resetTimer, Multiplicity of 1, Bi-directional

USE CASES:

beep

The microwave will only beep when the timer is done, so beep depends on timerDone.

countdown

Counts down the time remaining on the timer. Depends on startTimer because the countdown will not begin until the timer is started.

SubUseCases:

resetTimer

resetTimer

Resets the timer completely. This can happen after the timer has been set but before it is started or during the countdown.

Relations:

itsMicrowaveuser_1

SuperUseCases:

countdown

Public

setTimer

Public

SubUseCases:

stopMicrowave

setTimer

Microwave timer will be set using the keys on the PIC keypad.

Relations:

itsMicrowaveuser

SubUseCases:

resetTimer

startMicrowave

Starts the microwave itself. Will only be active if the timer has been started. Should never be running when timer is off.

startTimer

Will start the timer counting down. Depends on setTimer because the microwave will not start unless the timer is set.

Relations:

itsMicrowaveuser

stopMicrowave

Stops the microwave from running. The microwave can only be stopped if it has started. The microwave will stop if the timer is done, the timer is reset, or the timer is stopped.

SuperUseCases:

stopTimer
Public
timerDone
Public
resetTimer
Public

stopTimer

Stops the timer at its current place. This is equivalent to the user opening the microwave door with time remaining. Depends on countdown because there is nothing to stop if countdown is not running.

Relations:

itsMicrowaveuser

SubUseCases:

stopMicrowave

timerDone

When the countdown reaches 0, the timer is done. So timerDone depends on countdown.

SubUseCases:

stopMicrowave

Your original description contained more detail than this. Make sure that the same amount of detail is included here.

OBJECT MODEL DIAGRAMS

Model1

Overridden Properties

Subjects:

General

Metaclasses:

Diagram

Properties:

LastModifiedTime: 10.21.2003::1:41:14

COMPONENTS

DefaultComponent

COMPONENT SETTINGS:

Build type: Executable

CONFIGURATIONS:

DefaultConfig

Scope type: Explicit

Instrumentation type: None

Time-model type: Real-time

Statechart generation type: Flat

FILES AND FOLDERS: