DAYTime

Inherits From:	Object
Conforms To:	NXTransport
Declared In:	daymisckit/DAYTime.h

Class Description

This documentation is still incomplete, and the class itself is only halfway implemented (no day of week or customized stringValues).   Sorry.

DAYTime is used to store a time, accurate from years down to seconds.   You can add and subtract DAYTimes from each other and specify how to generate a string value for the time.   It can calculate the day of the week for a given date, as well. If used to measure time in a relative sense, then the day of week functions are disabled since they don't make sense semantically.   A DAYTime object may easily be initialized or set to the current time on the system clock.   It may also be sent bycopy over a distributed objects link and archived to a file.

Instance Variables

BOOL **isRelative**;
long **microsecond**;
long **second**;
long **minute**;
long **hour**;
long **dow**;
long **day**;
long **month**;
long **year**;

isRelative	Whether the DAYTime object is an absolute or relative time.
microsecond	The microsecond (0 ± 999,999).
second	The second (0 ± 59).
minute	The minute (0 ± 59).
hour	The hour (0 ± 23).
dow	The day of the week (-1 ±€6). dow is -1 if the day of the week is unknown; for example, if it has not yet been calculated.
day	The day of the month (0 ± 27/28/29/30).
month	The month (0 ± 11).

year   The year.

Method Types

Initializing and freeing a DAYTime ± init
                                       ± initWithCurrentTime

Changing a DAYTime   ± setDay:
                                       ± setDayOfWeek:
                                       ± setHour:
                                       ± setMicrosecond:
                                       ± setMinute:
                                       ± setMonth:
                                       ± setRelative:
                                       ± setSecond:
                                       ± setYear:

Manipulating a DAYTime   ± addDays:
                                       ± addHours:
                                       ± addMicroseconds:
                                       ± addMinutes:
                                       ± addMonths:
                                       ± addSeconds:
                                       ± addTime:
                                       ± addYears:

± calcDayOfWeek
± subtractDays:
± subtractHours:
± subtractMicroseconds:
± subtractMinutes:
± subtractMonths:
± subtractSeconds:
± subtractTime:
± subtractYears:

Querying attributes

± day
± dayOfWeek
± doubleValue
± floatValue
± hour
± intValue
± isRelative
± microsecond
± minute
± month
± second
± stringValue
± year

Archiving

± read:
± write:

Instance Methods

x

    - x:(x)*x*

x.   Returns *self*.

See also: **-x:**

x

    - x:(x)*x*

x.   Returns *self*.

See also: **-x:**