

DAYTime

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

Class Description

This documentation is still incomplete, and the class itself is only halfway implemented (no day of week or customized stringValue). 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 by copy 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	± initWithCurrentTime	± init
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:**