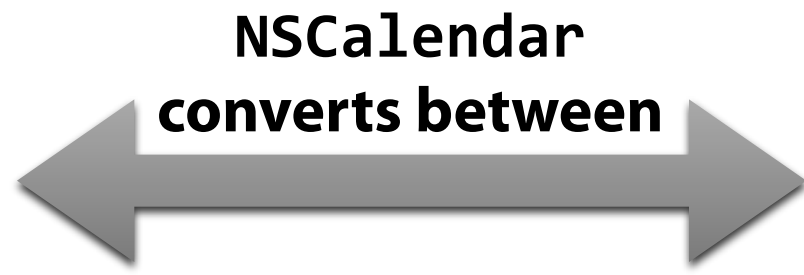


NSDate

- ▶ Wrapper for `NSTimeInterval`.
- ▶ Absolute point in time.
- ▶ Millisecond precision.
- ▶ No concept of time zone or calendar.

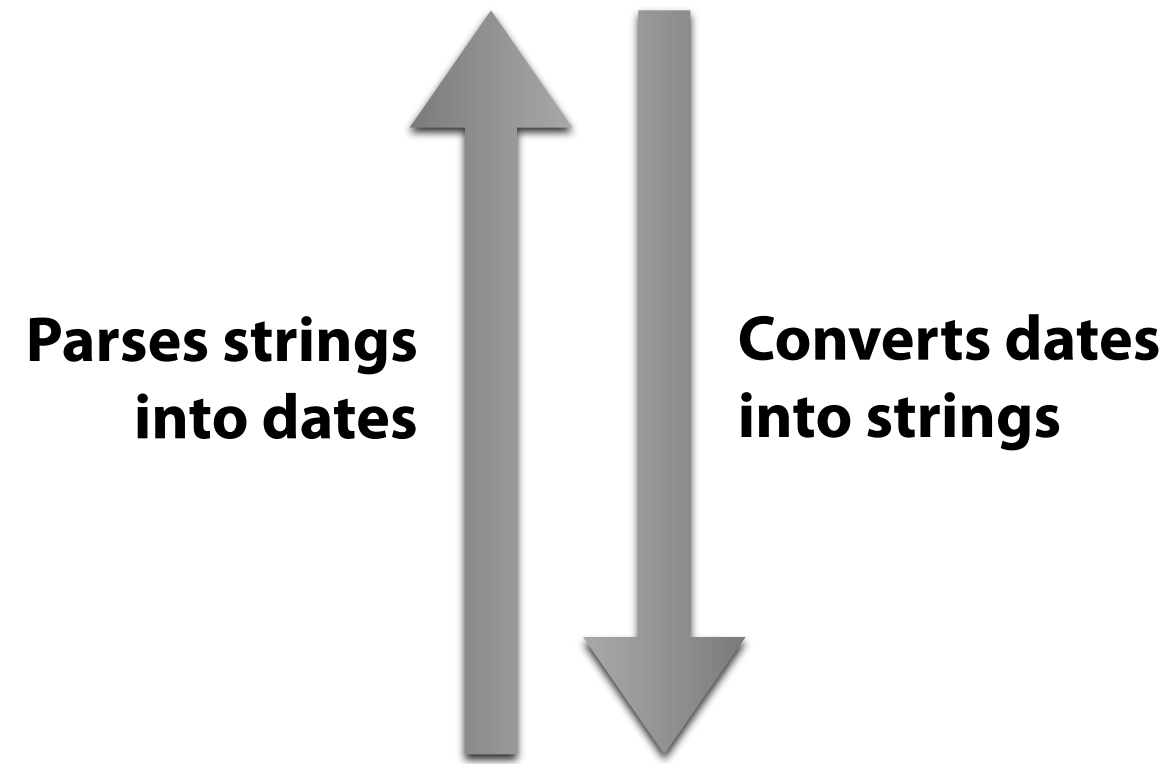


NSDateComponents

- ▶ Date/time split into components.
- ▶ Represents absolute date or difference between dates.
- ▶ Includes time zone and calendar.
- ▶ Used to create specific dates programmatically or determine components of a date.

NSDateCalendar

- ▶ Many calendars in use worldwide.
- ▶ Interpreting date components or string representations of dates makes no sense without knowing the calendar.
- ▶ Used to convert between `NSDate` and `NSDateComponents`.



NSTimeZone

- ▶ Represents a time zone.
- ▶ Either as offset from UTC or as named time zone ("Europe/Berlin").
- ▶ Use named time zones whenever possible.
- ▶ Beware of time zone abbreviations ("PST").

NSDateFormatter

- ▶ Used to convert between `NSDate` and date strings (both directions).
- ▶ For UI display: respect user's locale settings.
- ▶ For machine processing: set up controlled environment (locale, time zone).



NSDataDetector

- ▶ `NSRegularExpression` subclass.
- ▶ `NSTextCheckingTypeDate` detects free-form date/time info in strings.
- ▶ Use when you can't control the date format.

NSLocale

- ▶ Represents a user's preferred regional settings.
- ▶ Used to format dates according to user preference.
- ▶ Use `@en_US_POSIX` locale for controlled environment.