Working Days

WorkCalendar, an immutable calendar of working days with the weekend and the holidays that are given to it

Anonymous · 05/11/2026

Working Days

```
use Derafu\Date\ValueObject\WorkCalendar;
```

A `WorkCalendar` knows which days are not working days: the days of the week that are weekend and the holidays. It does not change: the `with*()` methods give another calendar.

The holidays depend on the country and the year, so the package does not bring them: whoever uses the calendar gives them.

```
use Derafu\Date\Enum\Weekday;

$calendar = new WorkCalendar(
    holidays: ['2025-01-01', '2025-05-01'],
    weekend: [Weekday::SATURDAY, Weekday::SUNDAY],   // the default
);
```

The holidays are dates or texts written as `Y-m-d` (another text is an `InvalidDateException`). They are kept sorted and without repeating.

Ask

Method	What it does
`isHoliday($date)`	Whether the date is a holiday.
`isWorkingDay($date)`	Whether it is not weekend and not a holiday.
`addWorkingDays($date, $days)`	The date some working days later (earlier, if negative). The time is kept.
`subtractWorkingDays($date, $days)`	The date some working days earlier.
`getWorkingDayNumber($date)`	The number of a working day in its month (the first is 1), or `null` if the date is not a working day.

Method	What it does
`getNthWorkingDay($month, $number)`	The date of the working day of a month with a number, or `null` if the month does not have so many. A number less than 1 is an `InvalidDateException`.
`isLastWorkingDay($date)`	Whether it is the last working day of its month.
`countWorkingDays($from, $to)`	The working days of a range, both ends included.
`getHolidays()`, `getWeekend()`	What the calendar was given.

```
$calendar->addWorkingDays('2025-01-03', 1);              // 2025-01-06 (Monday)
$calendar->getNthWorkingDay(Month::of(2025, 3), 1);      // 2025-03-03 (March 1 is a
Saturday)
$calendar->getWorkingDayNumber('2025-03-03');            // 1
```

Other calendars

```
$calendar->withHolidays(['2026-01-01']);                    // other holidays, same
weekend
$calendar->withWeekend([Weekday::FRIDAY, Weekday::SATURDAY]); // other weekend, same
holidays
```

Last updated on 05/11/2026