



Plant UML

PlantUML 은 다이어그램을 빠르게 작성하기 위한 오픈 소스 프로젝트입니다.

Gantt Diagram

The Gantt is described in natural language, using very simple sentences (subject-verb-complement).

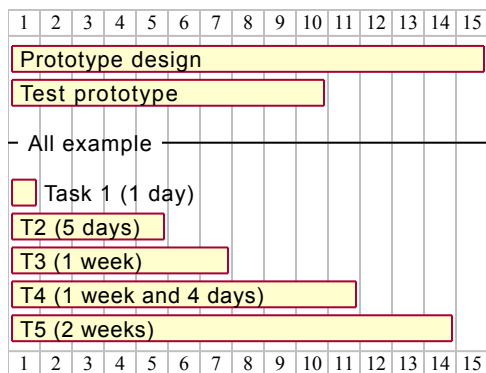
Declaring tasks

Tasks defined using square bracket.

Duration

Their durations are defined using the `last` verb:

```
@startgantt
[Prototype design] lasts 15 days
[Test prototype] lasts 10 days
-- All example --
[Task 1 (1 day)] lasts 1 day
[T2 (5 days)] lasts 5 days
[T3 (1 week)] lasts 1 week
[T4 (1 week and 4 days)] lasts 1 week and 4 days
[T5 (2 weeks)] lasts 2 weeks
@endgantt
```



A week is a synonym for how many non-closed days are in a week. So if you specify Saturday

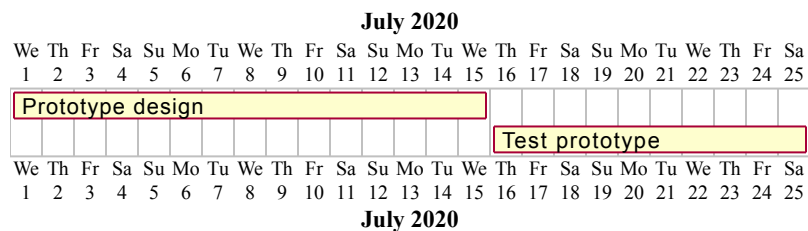
and Sunday as closed, a week will be equivalent to 5 days

Start

Their beginning are defined using the `start` verb:

```
@startuml
[Prototype design] lasts 15 days
[Test prototype] lasts 10 days

Project starts 2020-07-01
[Prototype design] starts 2020-07-01
[Test prototype] starts 2020-07-16
@enduml
```



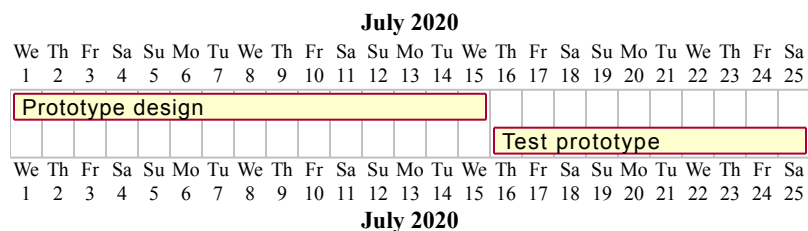
End

Their ending are defined using the `end` verb:

```
@startuml
[Prototype design] lasts 15 days
[Test prototype] lasts 10 days

Project starts 2020-07-01
[Prototype design] ends 2020-07-15
[Test prototype] ends 2020-07-25

@enduml
```



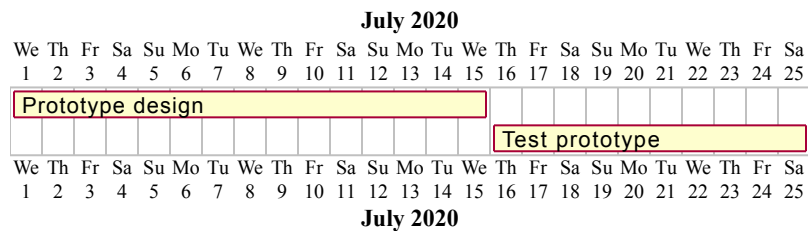
Start/End

It is possible to define both absolutely, by specifying dates:

```
@startuml
```

```
Project starts 2020-07-01
[Prototype design] starts 2020-07-01
[Test prototype] starts 2020-07-16
[Prototype design] ends 2020-07-15
[Test prototype] ends 2020-07-25
```

```
@enduml
```



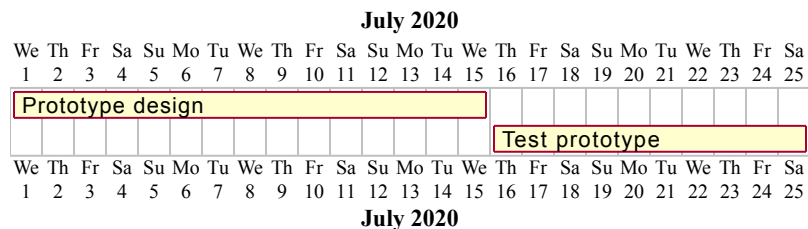
One-line declaration (with the and conjunction)

It is possible to combine declaration on one line with the and conjunction.

```
@startuml
```

```
Project starts 2020-07-01
[Prototype design] starts 2020-07-01 and ends 2020-07-15
[Test prototype] starts 2020-07-16 and lasts 10 days
```

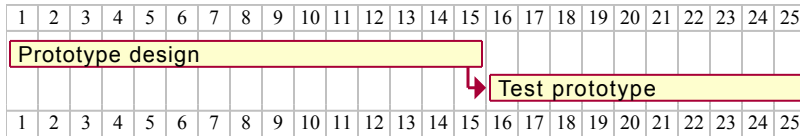
```
@enduml
```



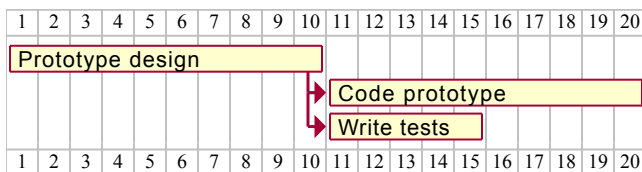
Adding constraints

It is possible to add constraints between tasks.

```
@startgantt
[Prototype design] lasts 15 days
[Test prototype] lasts 10 days
[Test prototype] starts at [Prototype design]'s end
@endgantt
```



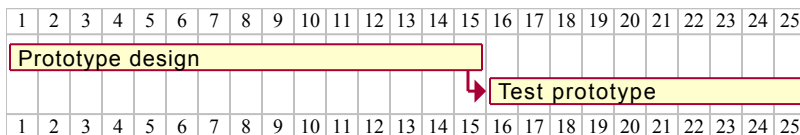
```
@startgantt
[Prototype design] lasts 10 days
[Code prototype] lasts 10 days
[Write tests] lasts 5 days
[Code prototype] starts at [Prototype design]'s end
[Write tests] starts at [Code prototype]'s start
@endgantt
```



Short names

It is possible to define short name for tasks with the `as` keyword.

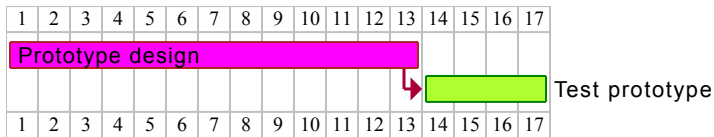
```
@startgantt
[Prototype design] as [D] lasts 15 days
[Test prototype] as [T] lasts 10 days
[T] starts at [D]'s end
@endgantt
```



Customize colors

It is also possible to customize colors with `is colored in`.

```
@startgantt
[Prototype design] lasts 13 days
[Test prototype] lasts 4 days
[Test prototype] starts at [Prototype design]'s end
[Prototype design] is colored in Fuchsia/FireBrick
[Test prototype] is colored in GreenYellow/Green
@endgantt
```



Completion status

Adding completion depending percentage

You can set the completion status of a task, by the command:

- `is xx% completed`
- `is xx% complete`

```
@startgantt
[foo] lasts 21 days
[foo] is 40% completed
[bar] lasts 30 days and is 10% complete
@endgantt
```

Change colour of completion (by style)

@startgantt

```
<style>
ganttDiagram {
  task {
    BackGroundColor GreenYellow
    LineColor Green
    unstated {
      BackGroundColor Fuchsia
      LineColor FireBrick
    }
  }
}
</style>
```

[Prototype design] lasts 7 days
[Test prototype 0] lasts 4 days
[Test prototype 10] lasts 4 days
[Test prototype 20] lasts 4 days
[Test prototype 30] lasts 4 days
[Test prototype 40] lasts 4 days
[Test prototype 50] lasts 4 days
[Test prototype 60] lasts 4 days
[Test prototype 70] lasts 4 days
[Test prototype 80] lasts 4 days
[Test prototype 90] lasts 4 days
[Test prototype 100] lasts 4 days

[Test prototype 0] starts at [Prototype design]'s end
[Test prototype 10] starts at [Prototype design]'s end
[Test prototype 20] starts at [Prototype design]'s end
[Test prototype 30] starts at [Prototype design]'s end
[Test prototype 40] starts at [Prototype design]'s end
[Test prototype 50] starts at [Prototype design]'s end
[Test prototype 60] starts at [Prototype design]'s end
[Test prototype 70] starts at [Prototype design]'s end
[Test prototype 80] starts at [Prototype design]'s end
[Test prototype 90] starts at [Prototype design]'s end
[Test prototype 100] starts at [Prototype design]'s end

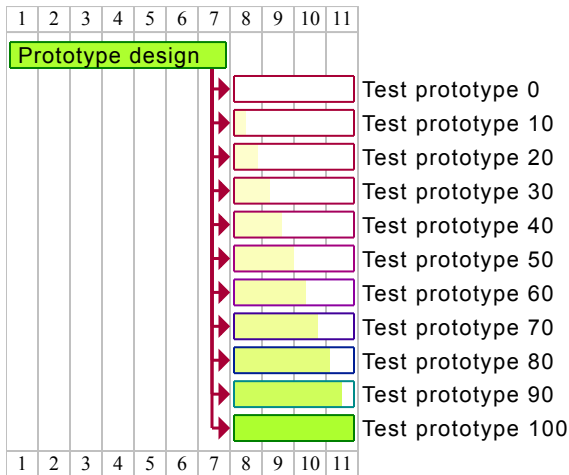
[Test prototype 0] is 0% complete
[Test prototype 10] is 10% complete
[Test prototype 20] is 20% complete
[Test prototype 30] is 30% complete
[Test prototype 40] is 40% complete
[Test prototype 50] is 50% complete

```

[Test prototype 60] is 60% complete
[Test prototype 70] is 70% complete
[Test prototype 80] is 80% complete
[Test prototype 90] is 90% complete
[Test prototype 100] is 100% complete

```

```
@endgantt
```



Milestone

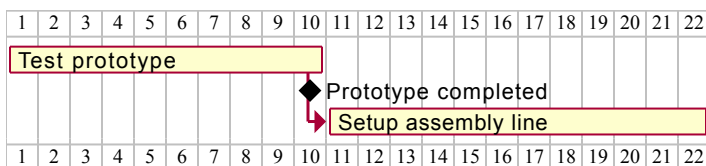
You can define Milestones using the `happen` verb.

Relative milestone (use of constraints)

```

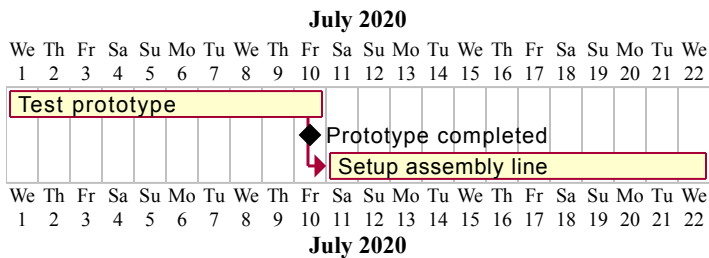
@startgantt
[Test prototype] lasts 10 days
[Prototype completed] happens at [Test prototype]'s end
[Setup assembly line] lasts 12 days
[Setup assembly line] starts at [Test prototype]'s end
@endgantt

```



Absolute milestone (use of fixed date)

```
@startgantt
Project starts 2020-07-01
[Test prototype] lasts 10 days
[Prototype completed] happens 2020-07-10
[Setup assembly line] lasts 12 days
[Setup assembly line] starts at [Test prototype]'s end
@endgantt
```



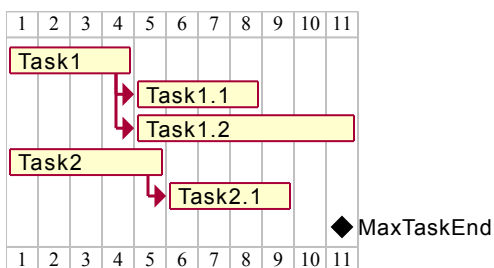
Milestone of maximum end of tasks

```
@startgantt
[Task1] lasts 4 days
then [Task1.1] lasts 4 days
[Task1.2] starts at [Task1]'s end and lasts 7 days

[Task2] lasts 5 days
then [Task2.1] lasts 4 days

[MaxTaskEnd] happens at [Task1.1]'s end
[MaxTaskEnd] happens at [Task1.2]'s end
[MaxTaskEnd] happens at [Task2.1]'s end

@endgantt
```



Hyperlinks

You can add hyperlinks to tasks.

```
@startgantt
[task1] lasts 10 days
[task1] links to [[http://plantuml.com]]
@endgantt
```

1	2	3	4	5	6	7	8	9	10
task1									
1	2	3	4	5	6	7	8	9	10

Calendar

You can specify a starting date for the whole project. By default, the first task starts at this date.

```
@startgantt
Project starts the 20th of september 2017
[Prototype design] as [TASK1] lasts 13 days
[TASK1] is colored in Lavender/LightBlue
@endgantt
```

September 2017													Oct	
We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo		
20	21	22	23	24	25	26	27	28	29	30	1	2		
Prototype design														
We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo		
20	21	22	23	24	25	26	27	28	29	30	1	2		
September 2017													Oct	

Coloring days

It is possible to add colors to some days.

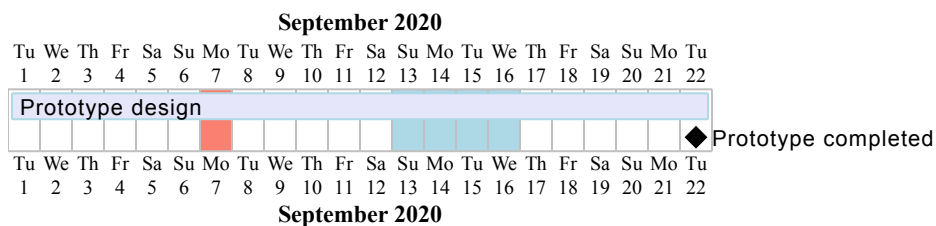
```

@startgantt
Project starts the 2020/09/01

2020/09/07 is colored in salmon
2020/09/13 to 2020/09/16 are colored in lightblue

[Prototype design] as [TASK1] lasts 22 days
[TASK1] is colored in Lavender/LightBlue
[Prototype completed] happens at [TASK1]'s end
@endgantt

```



Changing scale

You can change scale for very long project, with one of those parameters:

- printscale
- gantt scale
- project scale

and one of the values:

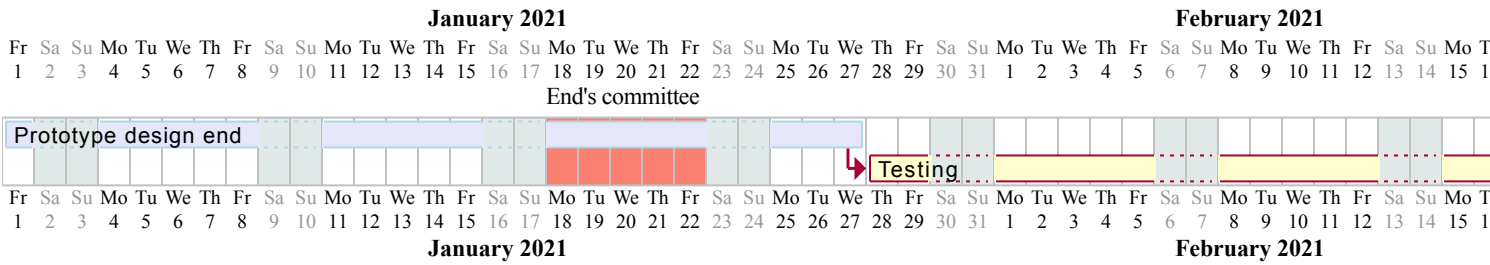
- daily (by default)
- weekly
- monthly
- quarterly
- yearly

Daily (by default)

```
@startuml
saturday are closed
sunday are closed

Project starts the 1st of january 2021
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```



Weekly

```
@startuml
printscale weekly
saturday are closed
sunday are closed

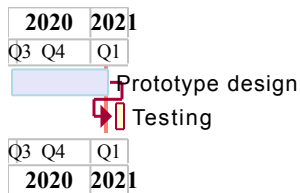
Project starts the 1st of january 2021
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```


Quarterly

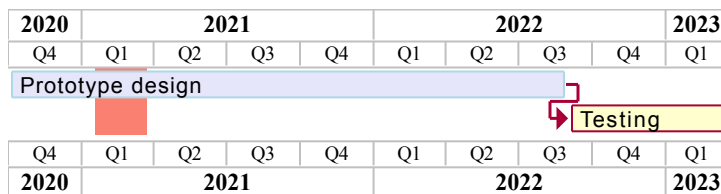
```
@startgantt
projectscale quarterly
Project starts the 20th of september 2020
[Prototype design] as [TASK1] lasts 130 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 20 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@endgantt
```



```
@startgantt
projectscale quarterly
Project starts the 1st of october 2020
[Prototype design] as [TASK1] lasts 700 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 200 days
[TASK1]->[Testing]

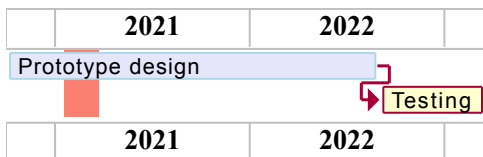
2021-01-18 to 2021-03-22 are colored in salmon
@endgantt
```



Yearly

```
@startgantt
projectscale yearly
Project starts the 1st of october 2020
[Prototype design] as [TASK1] lasts 700 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 200 days
[TASK1]->[Testing]

2021-01-18 to 2021-03-22 are colored in salmon
@endgantt
```



Zoom (example for all scale)

You can change zoom, with the parameter:

- `zoom <integer>`

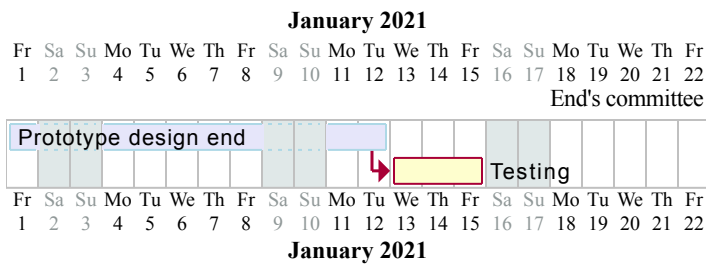
Zoom on weekly scale

Without zoom

```
@startuml
printscale daily
saturday are closed
sunday are closed

Project starts the 1st of january 2021
[Prototype design end] as [TASK1] lasts 8 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 3 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```

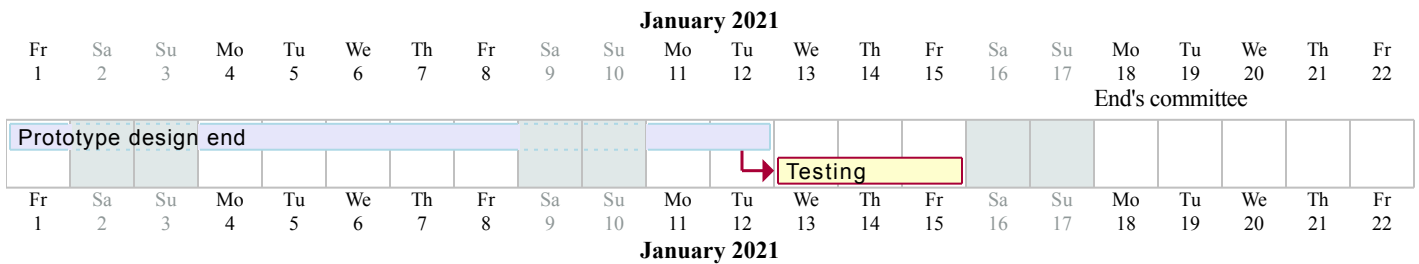


With zoom

```
@startuml
printscale daily zoom 2
saturday are closed
sunday are closed

Project starts the 1st of january 2021
[Prototype design end] as [TASK1] lasts 8 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 3 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```



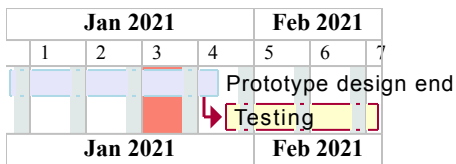
Zoom on weekly scale

Without zoom

```
@startuml
printscale weekly
saturday are closed
sunday are closed

Project starts the 1st of january 2021
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```

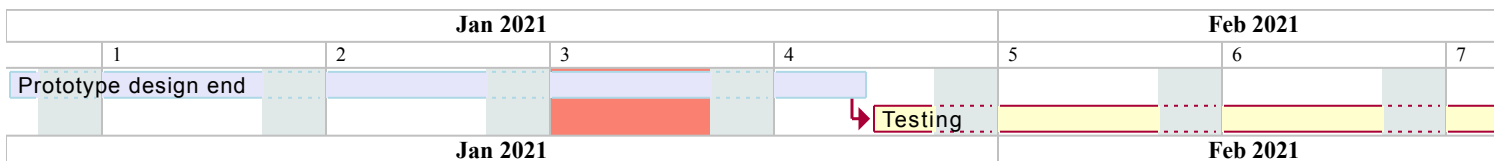


With zoom

```
@startuml
printscale weekly zoom 4
saturday are closed
sunday are closed

Project starts the 1st of january 2021
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```

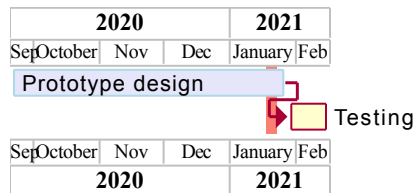


Zoom on monthly scale

Without zoom

```
@startgantt
projectscale monthly
Project starts the 20th of september 2020
[Prototype design] as [TASK1] lasts 130 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 20 days
[TASK1]->[Testing]

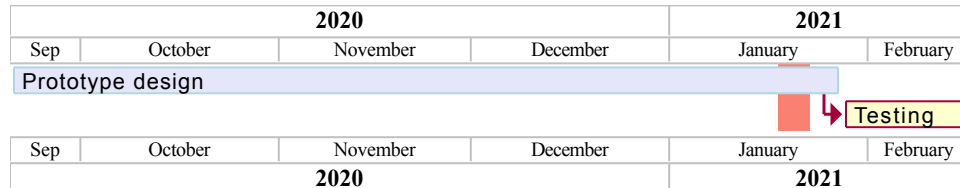
2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@endgantt
```



With zoom

```
@startgantt
projectscale monthly zoom 3
Project starts the 20th of september 2020
[Prototype design] as [TASK1] lasts 130 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 20 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@endgantt
```

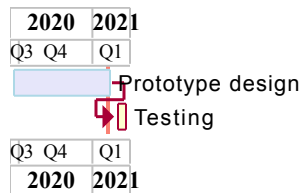


Zoom on quarterly scale

Without zoom

```
@startgantt
projectscale quarterly
Project starts the 20th of september 2020
[Prototype design] as [TASK1] lasts 130 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 20 days
[TASK1]->[Testing]

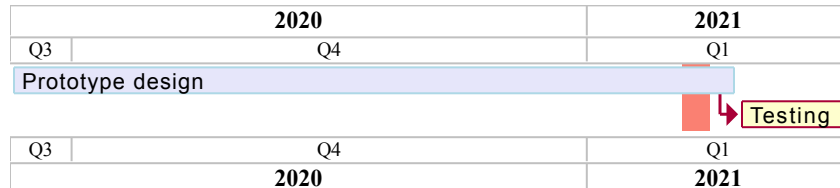
2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@endgantt
```



With zoom

```
@startgantt
projectscale quarterly zoom 7
Project starts the 20th of september 2020
[Prototype design] as [TASK1] lasts 130 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 20 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@endgantt
```

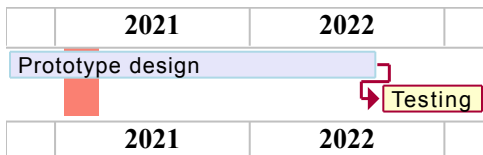


Zoom on yearly scale

Without zoom

```
@startgantt
projectscale yearly
Project starts the 1st of october 2020
[Prototype design] as [TASK1] lasts 700 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 200 days
[TASK1]->[Testing]

2021-01-18 to 2021-03-22 are colored in salmon
@endgantt
```



With zoom

```
@startgantt
projectscale yearly zoom 2
Project starts the 1st of october 2020
[Prototype design] as [TASK1] lasts 700 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 200 days
[TASK1]->[Testing]

2021-01-18 to 2021-03-22 are colored in salmon
@endgantt
```



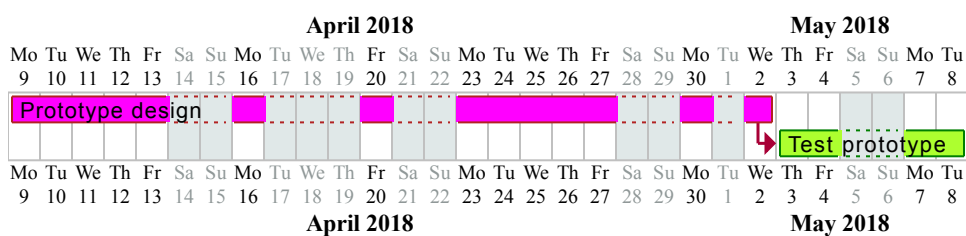
Close day

It is possible to close some day.

```

@startgantt
project starts the 2018/04/09
saturday are closed
sunday are closed
2018/05/01 is closed
2018/04/17 to 2018/04/19 is closed
[Prototype design] lasts 14 days
[Test prototype] lasts 4 days
[Test prototype] starts at [Prototype design]'s end
[Prototype design] is colored in Fuchsia/FireBrick
[Test prototype] is colored in GreenYellow/Green
@endgantt

```



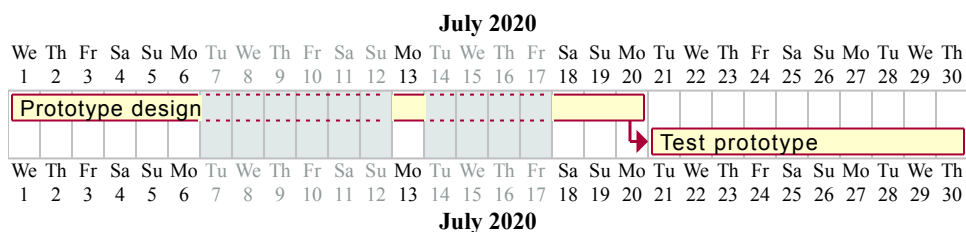
Then it is possible to open some closed day.

```

@startgantt
2020-07-07 to 2020-07-17 is closed
2020-07-13 is open

Project starts the 2020-07-01
[Prototype design] lasts 10 days
Then [Test prototype] lasts 10 days
@endgantt

```



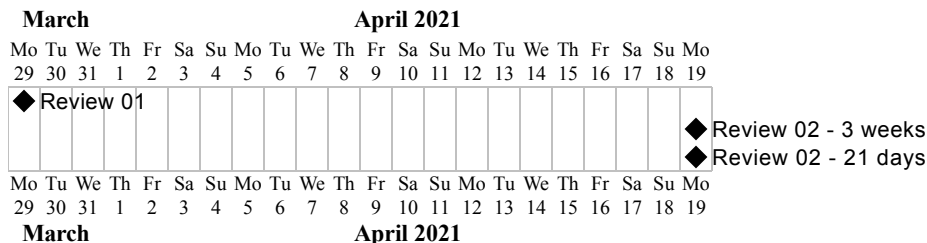
Definition of a week depending of closed days

A **week** is a synonym for how many non-closed days are in a week, as:

```

@startgantt
Project starts 2021-03-29
[Review 01] happens at 2021-03-29
[Review 02 - 3 weeks] happens on 3 weeks after [Review 01]'s end
[Review 02 - 21 days] happens on 21 days after [Review 01]'s end
@endgantt

```

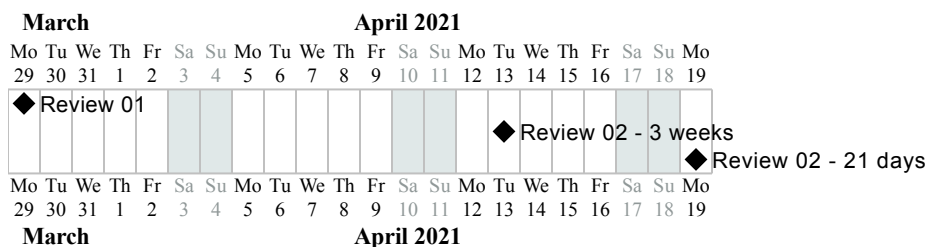


So if you specify *Saturday* and *Sunday* as closed, a **week** will be equivalent to 5 days, as:

```

@startgantt
Project starts 2021-03-29
saturday are closed
sunday are closed
[Review 01] happens at 2021-03-29
[Review 02 - 3 weeks] happens on 3 weeks after [Review 01]'s end
[Review 02 - 21 days] happens on 21 days after [Review 01]'s end
@endgantt

```



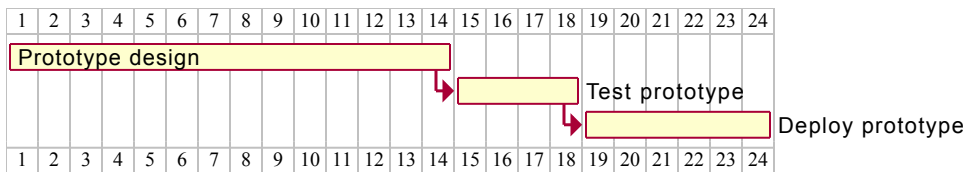
Simplified task succession

It's possible to use the `then` keyword to denote consecutive tasks.

```

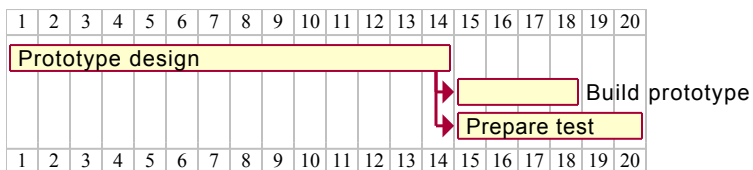
@startgantt
[Prototype design] lasts 14 days
then [Test prototype] lasts 4 days
then [Deploy prototype] lasts 6 days
@endgantt

```



You can also use arrow ->

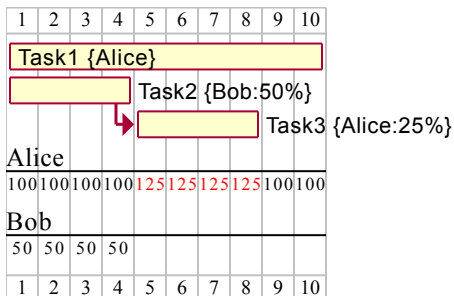
```
@startgantt
[Prototype design] lasts 14 days
[Build prototype] lasts 4 days
[Prepare test] lasts 6 days
[Prototype design] -> [Build prototype]
[Prototype design] -> [Prepare test]
@endgantt
```



Working with resources

You can affect tasks on resources using the `on` keyword and brackets for resource name.

```
@startgantt
[Task1] on {Alice} lasts 10 days
[Task2] on {Bob:50%} lasts 2 days
then [Task3] on {Alice:25%} lasts 1 days
@endgantt
```



Multiple resources can be assigned to a task:

```
@startgantt
[Task1] on {Alice} {Bob} lasts 20 days
@endgantt
```

1	2	3	4	5	6	7	8	9	10
Task1 {Alice} {Bob}									
Alice									
100	100	100	100	100	100	100	100	100	100
Bob									
100	100	100	100	100	100	100	100	100	100
1	2	3	4	5	6	7	8	9	10

Resources can be marked as off on specific days:

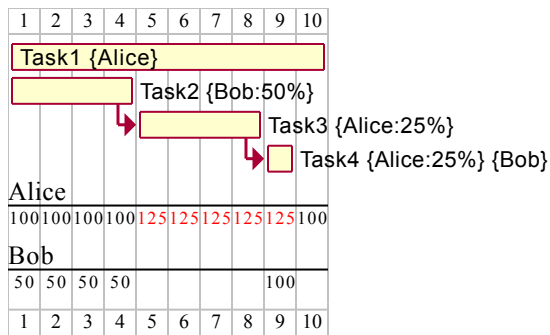
```
@startgantt
project starts on 2020-06-19
[Task1] on {Alice} lasts 10 days
{Alice} is off on 2020-06-24 to 2020-06-26
@endgantt
```

June 2020										Jul									
Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We
19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8
Task1 {Alice}																			
Alice																			
100	100	100	100	100	100					100	100	100	100	100	100	100	100	100	100
Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We
19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8
June 2020										Jul									

Hide resources

Without any hiding (by default)

```
@startgantt
[Task1] on {Alice} lasts 10 days
[Task2] on {Bob:50%} lasts 2 days
then [Task3] on {Alice:25%} lasts 1 days
then [Task4] on {Alice:25%} {Bob} lasts 1 days
@endgantt
```

Hide resources names

You can hide resources names and percentage, on tasks, using the `hide resources names` keywords.

```
@startgantt
hide resources names
[Task1] on {Alice} lasts 10 days
[Task2] on {Bob:50%} lasts 2 days
then [Task3] on {Alice:25%} lasts 1 days
then [Task4] on {Alice:25%} {Bob} lasts 1 days
@endgantt
```

PlantUML 1.2021.12

**This version of PlantUML is 111 days old, so you should
consider upgrading from <https://plantuml.com/download>**

[From string (line 2)]

**@startgantt
hide resources names
Syntax Error?**

Hide resources footbox

You can also hide resources names on bottom of the diagram using the `hide resources footbox` keywords.

```

@startgantt
hide ressources footbox
[Task1] on {Alice} lasts 10 days
[Task2] on {Bob:50%} lasts 2 days
then [Task3] on {Alice:25%} lasts 1 days
then [Task4] on {Alice:25%} {Bob} lasts 1 days
@endgantt

```



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PlantUML 1.2021.12

**This version of PlantUML is 111 days old, so you should
 consider upgrading from <https://plantuml.com/download>**

[From string (line 2)]

**@startgantt
 hide ressources footbox
 Syntax Error?**



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Hide the both (resources names and resources footbox)

You can also hide the both.

```

@startgantt
hide ressources names
hide ressources footbox
[Task1] on {Alice} lasts 10 days
[Task2] on {Bob:50%} lasts 2 days
then [Task3] on {Alice:25%} lasts 1 days
then [Task4] on {Alice:25%} {Bob} lasts 1 days
@endgantt

```



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PlantUML 1.2021.12

**This version of PlantUML is 111 days old, so you should
 consider upgrading from <https://plantuml.com/download>**

[From string (line 2)]

**@startgantt
 hide ressources names
 Syntax Error?**



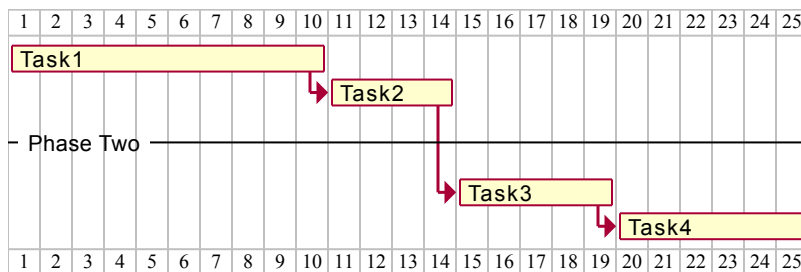
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<http://plantuml.com/patreon>



Separator

You can use `--` to separate sets of tasks.

```
@startgantt
[Task1] lasts 10 days
then [Task2] lasts 4 days
-- Phase Two --
then [Task3] lasts 5 days
then [Task4] lasts 6 days
@endgantt
```



Complex example

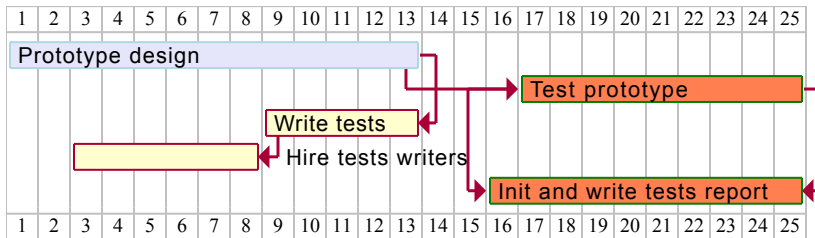
It also possible to use the `and` conjunction.

You can also add delays in constraints.

```

@startgantt
[Prototype design] lasts 13 days and is colored in Lavender/LightBlue
[Test prototype] lasts 9 days and is colored in Coral/Green and starts 3 days after [Proto
[Write tests] lasts 5 days and ends at [Prototype design]'s end
[Hire tests writers] lasts 6 days and ends at [Write tests]'s start
[Init and write tests report] is colored in Coral/Green
[Init and write tests report] starts 1 day before [Test prototype]'s start and ends at [Te
@endgantt

```



Comments

As is mentioned on [Common Commands](#) page:

```

Everything that starts with simple quote ' is a comment.
You can also put comments on several lines using '/' to start and '/' to end.

```

(i.e.: the first character (except space character) of a comment line must be a simple quote ')

```

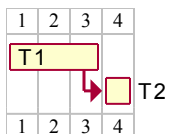
@startgantt
' This is a comment

[T1] lasts 3 days

/' this comment
is on several lines '/

[T2] starts at [T1]'s end and lasts 1 day
@endgantt

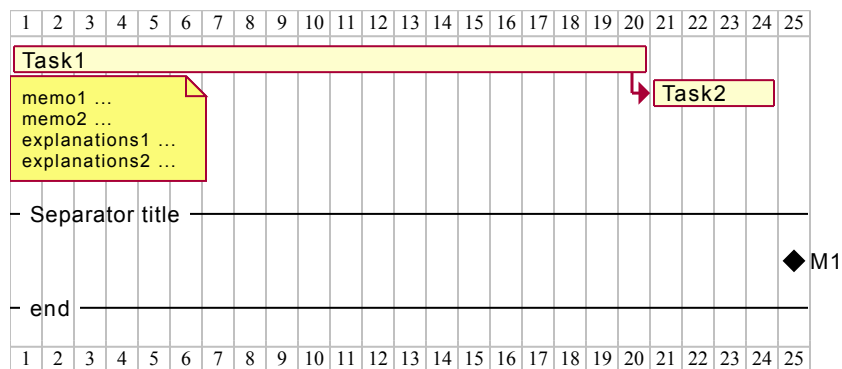
```



Using style

Without style (by default)

```
@startuml
[Task1] lasts 20 days
note bottom
    memo1 ...
    memo2 ...
    explanations1 ...
    explanations2 ...
end note
[Task2] lasts 4 days
[Task1] -> [Task2]
-- Separator title --
[M1] happens on 5 days after [Task1]'s end
-- end --
@enduml
```



With style

You can use [style](#) to change rendering of elements.

```

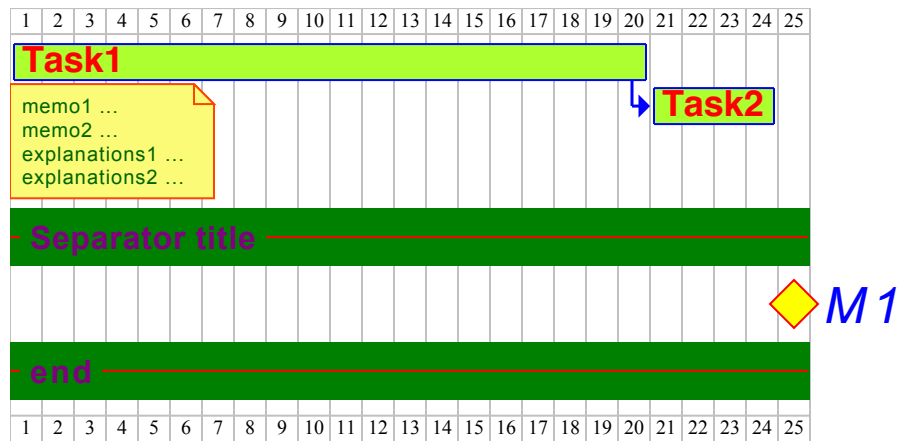
@startuml
<style>
ganttdiagram {
    task {
        FontName Helvetica
        FontColor red
        FontSize 18
        FontStyle bold
        BackGroundColor GreenYellow
        LineColor blue
    }
    milestone {
        FontColor blue
        FontSize 25
        FontStyle italic
        BackGroundColor yellow
        LineColor red
    }
    note {
        FontColor DarkGreen
        FontSize 10
        LineColor OrangeRed
    }
    arrow {
        FontName Helvetica
        FontColor red
        FontSize 18
        FontStyle bold
        BackGroundColor GreenYellow
        LineColor blue
    }
    separator {
        LineColor red
        BackGroundColor green
        FontSize 16
        FontStyle bold
        FontColor purple
    }
}
</style>
[Task1] lasts 20 days
note bottom
    memo1 ...
    memo2 ...
    explanations1 ...
    explanations2 ...

```

```

end note
[Task2] lasts 4 days
[Task1] -> [Task2]
-- Separator title --
[M1] happens on 5 days after [Task1]'s end
-- end --
@enduml

```



With style (full example)


```

@startgantt
<style>
ganttDiagram {
    task {
        FontName Helvetica
        FontColor red
        FontSize 18
        FontStyle bold
        BackGroundColor GreenYellow
        LineColor blue
    }
    milestone {
        FontColor blue
        FontSize 25
        FontStyle italic
        BackGroundColor yellow
        LineColor red
    }
    note {
        FontColor DarkGreen
        FontSize 10
        LineColor OrangeRed
    }
    arrow {
        FontName Helvetica
        FontColor red
        FontSize 18
        FontStyle bold
        BackGroundColor GreenYellow
        LineColor blue
        LineStyle 8.0;13.0
        LineThickness 3.0
    }
    separator {
        BackgroundColor lightGreen
        LineStyle 8.0;3.0
        LineColor red
        LineThickness 1.0
        FontSize 16
        FontStyle bold
        FontColor purple
        Margin 5
        Padding 20
    }
    timeline {
        BackgroundColor Bisque

```

```

        }
        closed {
            BackgroundColor pink
            FontColor red
        }
    }
</style>
Project starts the 2020-12-01

[Task1] lasts 10 days
sunday are closed

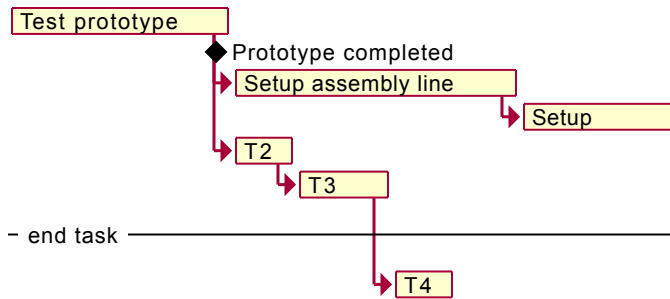
note bottom
    memo1 ...
    memo2 ...
    explanations1 ...
    explanations2 ...
end note

[Task2] lasts 20 days
[Task2] starts 10 days after [Task1]'s end
-- Separator title --
[M1] happens on 5 days after [Task1]'s end

<style>
    separator {
        LineColor black
        Margin 0
        Padding 0
    }
</style>

-- end --
@endganttt

```

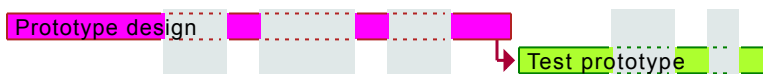
Or:

```

@startgantt
<style>
ganttDiagram {
  timeline {
    LineColor transparent
    FontColor transparent
  }
  closed {
    FontColor transparent
  }
}
</style>

hide footbox
project starts the 2018/04/09
saturday are closed
sunday are closed
2018/05/01 is closed
2018/04/17 to 2018/04/19 is closed
[Prototype design] lasts 9 days
[Test prototype] lasts 5 days
[Test prototype] starts at [Prototype design]'s end
[Prototype design] is colored in Fuchsia/FireBrick
[Test prototype] is colored in GreenYellow/Green
@endgantt

```

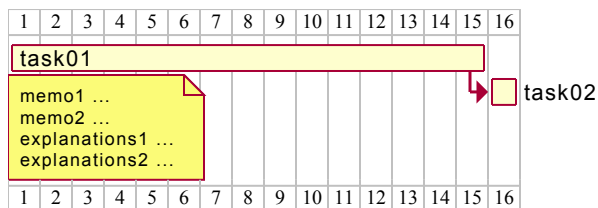


Add notes

```
@startgantt
[task01] lasts 15 days
note bottom
  memo1 ...
  memo2 ...
  explanations1 ...
  explanations2 ...
end note

[task01] -> [task02]

@endgantt
```



Example with overlap.

```
@startgantt
[task01] lasts 15 days
note bottom
  memo1 ...
  memo2 ...
  explanations1 ...
  explanations2 ...
end note

[task01] -> [task02]
[task03] lasts 5 days

@endgantt
```

```
[task01] lasts 15 days
note bottom
  memo1 ...
  memo2 ...
  explanations1 ...
  explanations2 ...
end note

[task01] -> [task02]
[task03] lasts 5 days

@endgantt
```

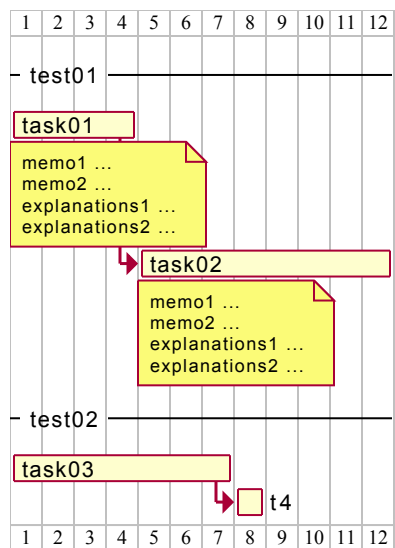
```
@startgantt

-- test01 --

[task01] lasts 4 days
note bottom
'note left
memo1 ...
memo2 ...
explanations1 ...
explanations2 ...
end note

[task02] lasts 8 days
[task01] -> [task02]
note bottom
'note left
memo1 ...
memo2 ...
explanations1 ...
explanations2 ...
end note
-- test02 --

[task03] as [t3] lasts 7 days
[t3] -> [t4]
@endgantt
```



@startgantt

Project starts 2020-09-01

[taskA] starts 2020-09-01 and lasts 3 days

[taskB] starts 2020-09-10 and lasts 3 days

[taskB] displays on same row as [taskA]

[task01] starts 2020-09-05 and lasts 4 days

then [task02] lasts 8 days

note bottom

note for task02

more notes

end note

then [task03] lasts 7 days

note bottom

note for task03

more notes

end note

-- separator --

[taskC] starts 2020-09-02 and lasts 5 days

[taskD] starts 2020-09-09 and lasts 5 days

[taskD] displays on same row as [taskC]

[task 10] starts 2020-09-05 and lasts 5 days

then [task 11] lasts 5 days

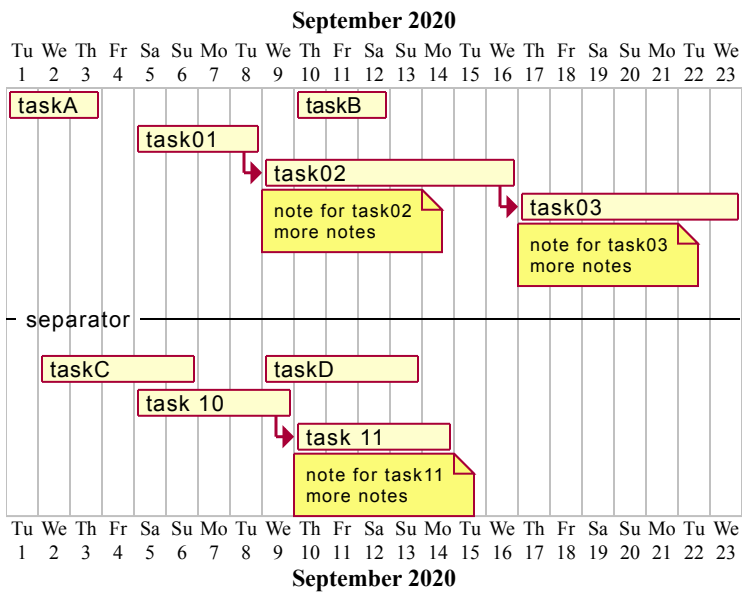
note bottom

note for task11

more notes

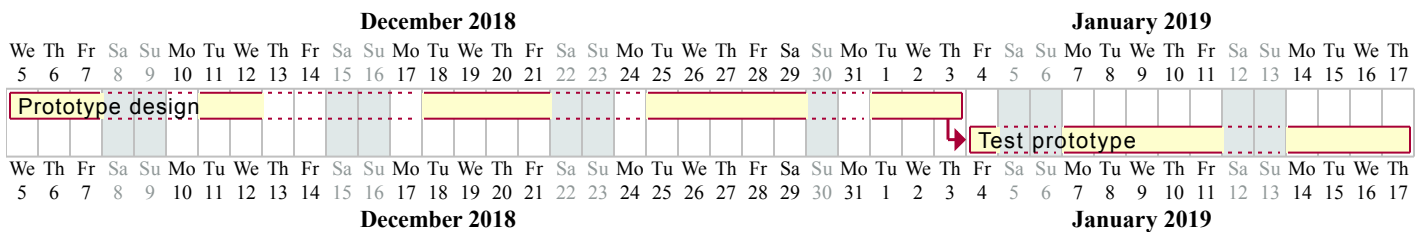
end note

@endgantt



Back to topPause tasks

```
@startgantt
Project starts the 5th of december 2018
saturday are closed
sunday are closed
2018/12/29 is opened
[Prototype design] lasts 17 days
[Prototype design] pauses on 2018/12/13
[Prototype design] pauses on 2018/12/14
[Prototype design] pauses on monday
[Test prototype] starts at [Prototype design]'s end and lasts 2 weeks
@endgantt
```

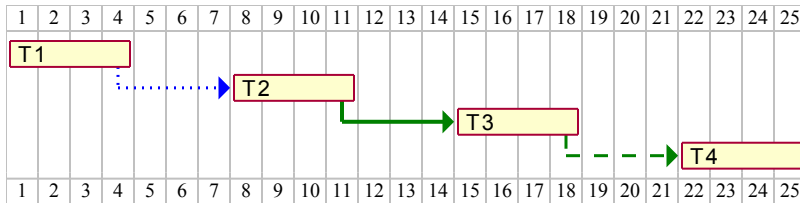


Change link colors

You can change link colors:

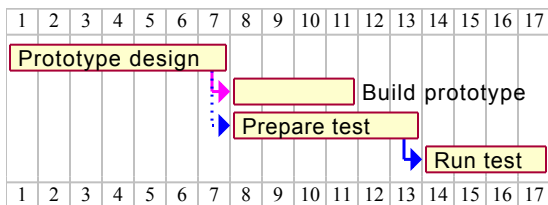
- with this syntax: `with <color> <style> link`

```
@startgantt
[T1] lasts 4 days
[T2] lasts 4 days and starts 3 days after [T1]'s end with blue dotted link
[T3] lasts 4 days and starts 3 days after [T2]'s end with green bold link
[T4] lasts 4 days and starts 3 days after [T3]'s end with green dashed link
@endgantt
```



- or directly by using arrow style

```
@startuml
<style>
ganttDiagram {
    arrow {
        LineColor blue
    }
}
</style>
[Prototype design] lasts 7 days
[Build prototype] lasts 4 days
[Prepare test] lasts 6 days
[Prototype design] -[#FF00FF]-> [Build prototype]
[Prototype design] -[dotted]-> [Prepare test]
Then [Run test] lasts 4 days
@enduml
```

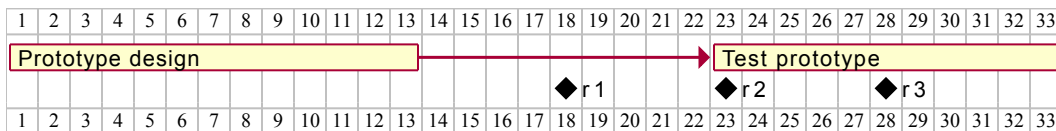


Tasks or Milestones on the same line

You can put Tasks or Milestones on the same line, with this syntax:

- [T|M] displays on same row as [T|M]

```
@startgantt
[Prototype design] lasts 13 days
[Test prototype] lasts 4 days and 1 week
[Test prototype] starts 1 week and 2 days after [Prototype design]'s end
[Test prototype] displays on same row as [Prototype design]
[r1] happens on 5 days after [Prototype design]'s end
[r2] happens on 5 days after [r1]'s end
[r3] happens on 5 days after [r2]'s end
[r2] displays on same row as [r1]
[r3] displays on same row as [r1]
@endgantt
```

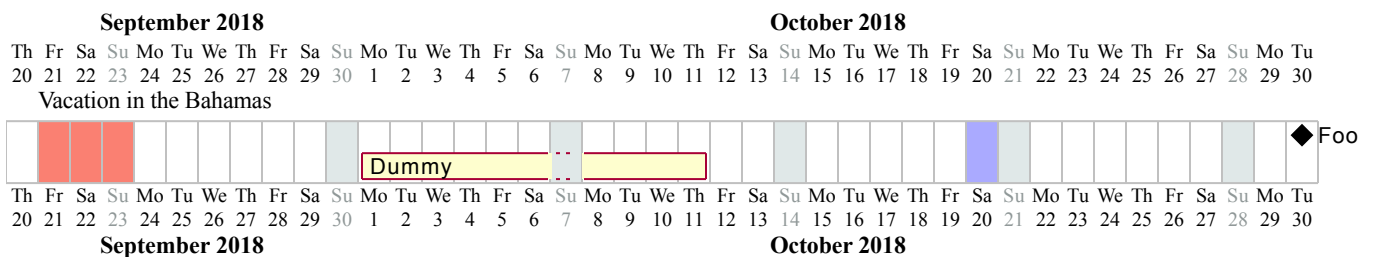


Highlight today

```
@startgantt
Project starts the 20th of september 2018
sunday are close
2018/09/21 to 2018/09/23 are colored in salmon
2018/09/21 to 2018/09/30 are named [Vacation in the Bahamas]

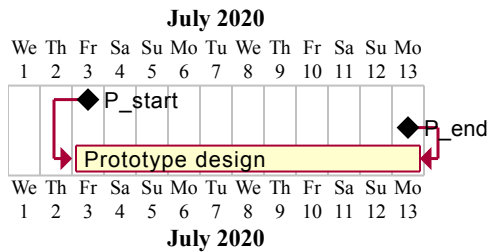
today is 30 days after start and is colored in #AAF
[Foo] happens 40 days after start
[Dummy] lasts 10 days and starts 10 days after start

@endgantt
```



Task between two milestones

```
@startgantt
project starts on 2020-07-01
[P_start] happens 2020-07-03
[P_end] happens 2020-07-13
[Prototype design] occurs from [P_start] to [P_end]
@endgantt
```



Grammar and verbal form

Verbal form	Example
[T]	starts
[M]	happens

Back to topAdd title, header, footer, caption or legend

```
@startuml
header some header

footer some footer

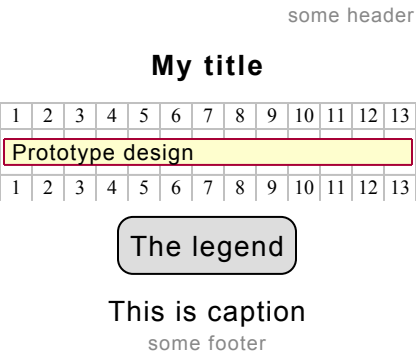
title My title

[Prototype design] lasts 13 days

legend
The legend
end legend

caption This is caption

@enduml
```



Removing Foot Boxes (example for all scale)

You can use the `hide footbox` keywords to remove the foot boxes of the gantt diagram (as for [sequence diagram](#)).

Examples on:

- daily scale (*without project start*)

```
@startgantt
```

```
hide footbox
```

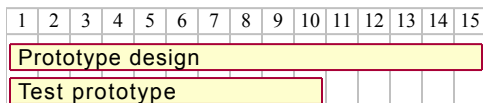
```
title Foot Box removed
```

```
[Prototype design] lasts 15 days
```

```
[Test prototype] lasts 10 days
```

```
@endgantt
```

Foot Box removed



- daily scale

```
@startgantt
```

```
Project starts the 20th of september 2017
```

```
[Prototype design] as [TASK1] lasts 13 days
```

```
[TASK1] is colored in Lavender/LightBlue
```

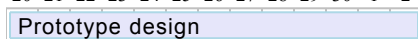
```
hide footbox
```

```
@endgantt
```

September 2017

Oct

We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo
20 21 22 23 24 25 26 27 28 29 30 1 2



- weekly scale

```

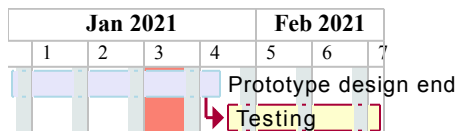
@startgantt
hide footbox

printscale weekly
saturday are closed
sunday are closed

Project starts the 1st of january 2021
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@endgantt

```



- monthly scale

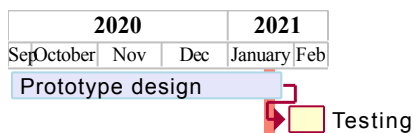
```

@startgantt
hide footbox

projectscale monthly
Project starts the 20th of september 2020
[Prototype design] as [TASK1] lasts 130 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 20 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are named [End's committee]
2021-01-18 to 2021-01-22 are colored in salmon
@endgantt

```



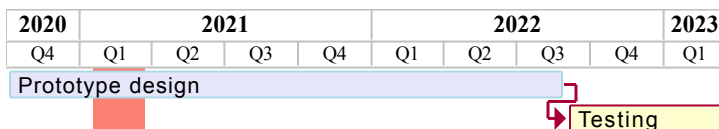
- quarterly scale

```
@startgantt

hide footbox

projectscale quarterly
Project starts the 1st of october 2020
[Prototype design] as [TASK1] lasts 700 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 200 days
[TASK1]->[Testing]

2021-01-18 to 2021-03-22 are colored in salmon
@endgantt
```



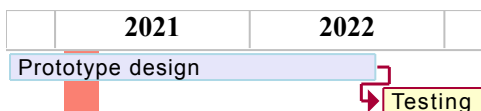
- yearly scale

```
@startgantt

hide footbox

projectscale yearly
Project starts the 1st of october 2020
[Prototype design] as [TASK1] lasts 700 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 200 days
[TASK1]->[Testing]

2021-01-18 to 2021-03-22 are colored in salmon
@endgantt
```



Language of the calendar

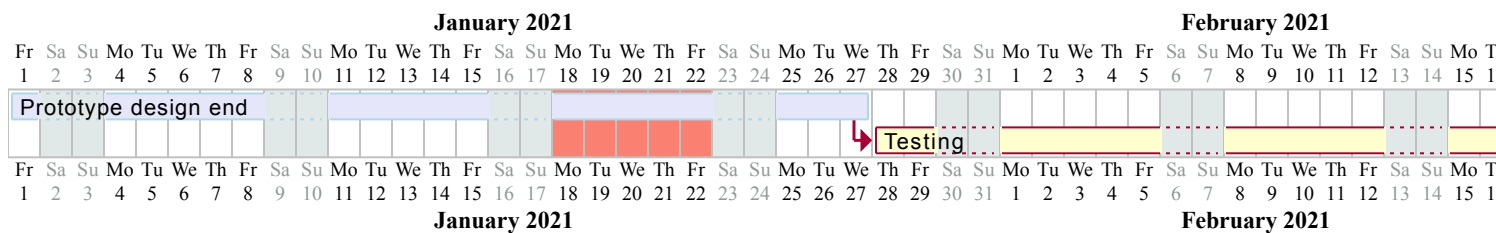
You can choose the language of the Gantt calendar, with the `language <xx>` command where `<xx>` is the [ISO 639 code](#) of the language.

English (en, by default)

```
@startuml
saturday are closed
sunday are closed
```

```
Project starts 2021-01-01
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]
```

```
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```

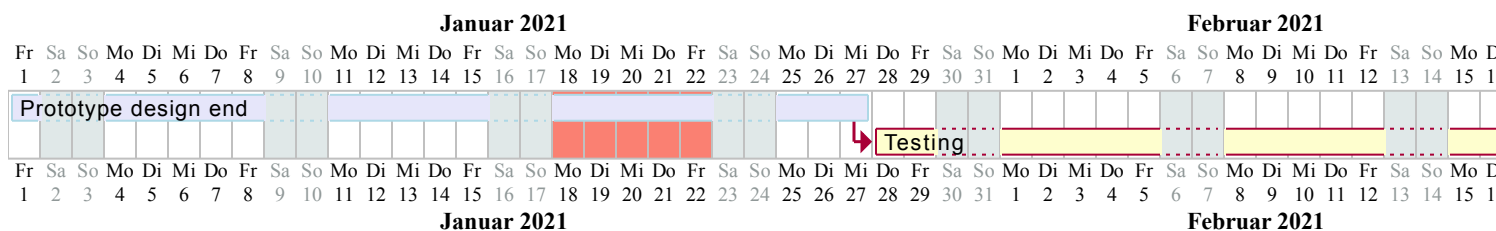


Deutsch (de)

```
@startuml
language de
saturday are closed
sunday are closed
```

```
Project starts 2021-01-01
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]
```

```
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```

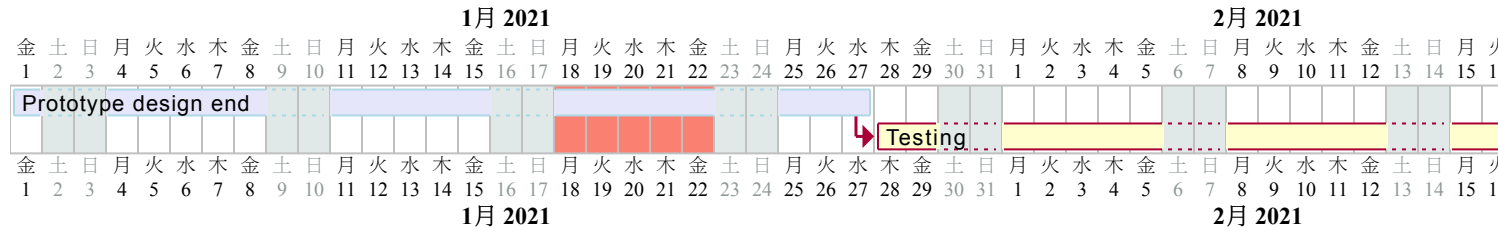


Japanese (ja)

```
@startuml
language ja
saturday are closed
sunday are closed
```

Project starts 2021-01-01
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are colored in salmon
@enduml

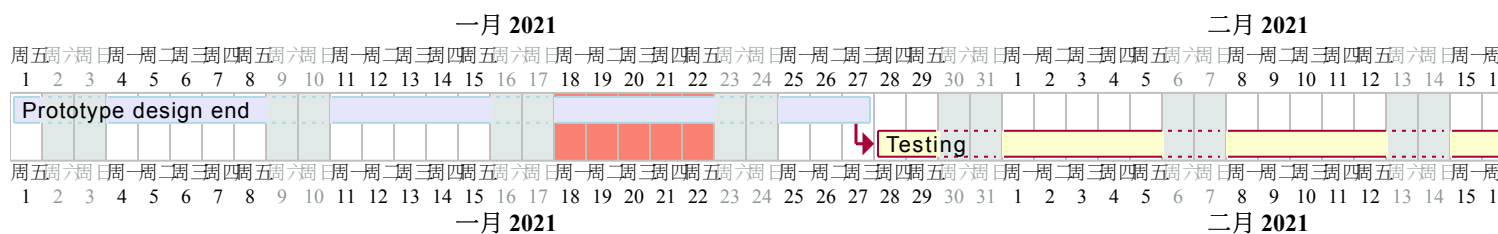


Chinese (zh)

```
@startuml
language zh
saturday are closed
sunday are closed
```

Project starts 2021-01-01
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]

2021-01-18 to 2021-01-22 are colored in salmon
@enduml

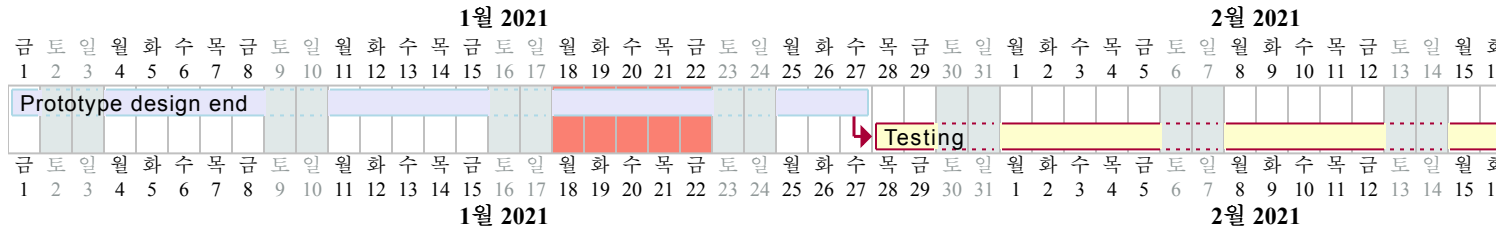


Korean (ko)

```
@startuml
language ko
saturday are closed
sunday are closed
```

```
Project starts 2021-01-01
[Prototype design end] as [TASK1] lasts 19 days
[TASK1] is colored in Lavender/LightBlue
[Testing] lasts 14 days
[TASK1]->[Testing]
```

```
2021-01-18 to 2021-01-22 are colored in salmon
@enduml
```



Delete Tasks or Milestones

You can mark some Tasks or Milestones as `deleted` instead of normally completed to distinguish tasks that may possibly have been discarded, postponed or whatever.

```
@startgantt
[Prototype design] lasts 1 weeks
then [Prototype completed] lasts 4 days
[End Prototype completed] happens at [Prototype completed]'s end
then [Test prototype] lasts 5 days
[End Test prototype] happens at [Test prototype]'s end

[Prototype completed] is deleted
[End Prototype completed] is deleted
@endgantt
```

