

# Setup

## assignment

Setup the document as an assignment sheet.

This is the template entrypoint and is expected to be used at the top of the document like so:

```
#show: assignment.with(  
  title: "A cool title",  
  page-numbering: "1",  
  // ...  
)
```

Here you can set many options to customize the template settings. Some of them replace settings that you would normally use Typst built-in functions for. For a smooth experience, prefer to set the options here.

## Parameters

```
assignment(  
  title: content str none,  
  title-style: function,  
  title-size: length,  
  course: content str none,  
  authors: array dictionary str none,  
  tutor: content str none,  
  date: datetime,  
  date-format: auto str,  
  margin-left: auto length,  
  margin-right: auto length,  
  margin-bottom: auto length,  
  margin-above-header: auto length,  
  margin-below-header: auto length,  
  todo-show: bool,  
  todo-box: function,  
  paper: str,  
  page-numbering: none str function,  
  header-show-title-on-first-page: bool,  
  header-extra-left: content str,  
  header-extra-center: content str,  
  header-extra-right: content str,  
  header-tutor-prefix: content str,  
  header-columns: array,  
  header-align: array,  
  header-column-gutter: length,  
  header-row-gutter: length,  
  header-padding-top: length,  
  header-padding-bottom: length,  
  disable-page-configuration: bool,  
  initial-task-number: int,  
  widget-order-reversed: false,  
  widget-column-gap: length,  
  widget-row-gap: length,  
  widget-spacing-above: length,  
  widget-spacing-below: length,  
  score-box-enabled: bool,  
  score-box-tasks: array none,  
  score-box-show-points: bool,  
  score-box-bonus-counts-for-sum: bool,  
  score-box-bonus-show-star: bool,  
  score-box-inset: length,  
  score-box-cell-width: length,  
  info-box-enabled: bool,  
  info-box-show-ids: bool,
```

```
info-box-show-emails: bool ,
info-box-inset: length ,
info-box-gutter: length ,
hyperlink-style: function ,
doc: content
)
```

**title**   content or str or none

The document's title.

Default: none

**title-style**   function

A function that provides styling to the title.

**Example:**

```
#show: assignment.with(
  title: [My *cool* title],
  title-style: t => t,
)
```

Default: t => underline[\*#t\*]

**title-size**   length

The text size of the title.

Default: 1.6em

**course**   content or str or none

The course title, displayed in the header.

Default: none

**authors**   array or dictionary or str or none

The name and information of the author/s of the document.

Can be just a single author or an array of authors. An author can be just the name as string, or a dictionary with the fields:

- name (mandatory)
- id (optional)
- email (optional)

**Example:**

```
#show assignment.with(
  authors: (
    (name: "John Doe", id: 123456, email: "john@doe.com"),
    (name: "Max Mustermann", id: 761524),
    "Bernd",
  ),
)
```

Default: none

**tutor** `content` or `str` or `none`

The name of tutor.

Default: `none`

**date** `datetime`

The document date, displayed in the header.

Default: `datetime.today()`

**date-format** `auto` or `str`

The date format that is used to display the document date.

When set to `auto`, a default value based on your document language is chosen.

Default: `auto`

**margin-left** `auto` or `length`

The left margin of the document. Prefer this to using `page.margin`.

Default: `1.7cm`

**margin-right** `auto` or `length`

The right margin of the document. Prefer this to using `page.margin`.

Default: `1.7cm`

**margin-bottom** `auto` or `length`

The bottom margin of the document. Prefer this to using `page.margin`.

Default: `1.7cm`

**margin-above-header** `auto` or `length`

The top margin of the document, taking the header into account. Prefer this to using `page.margin`.

Default: `0cm`

**margin-below-header** `auto` or `length`

The margin between header and the rest of the document. Prefer this to using `page.margin`.

Default: `0cm`

**todo-show** `bool`

Show a warning beside the title if there are any TODOs in the document.

Default: `true`

**todo-box** `function`

The layout for the TODO box that may be displayed in the title.

Set this using the provided `todo-box` function.

**Example:**

```
#show: assignment.with(  
  todo-box: todo-box.with(stroke: none),  
)
```

Default: `todo-box`

**paper** `str`

The document's paper size. Prefer this to using `page.paper`.

Default: `"a4"`

**page-numbering** `none` or `str` or `function`

The page numbering. Prefer this to using `page.numbering`.

Default: `"1 / 1"`

**header-show-title-on-first-page** `bool`

Whether to show the title in the header on the first page as well.

Default: `false`

**header-extra-left** `content` or `str`

Extra content that is displayed in the left header column.

Default: `none`

**header-extra-center** `content` or `str`

Extra content that is displayed in the center header column.

Default: `none`

**header-extra-right** `content` or `str`

Extra content that is displayed in the right header column.

Default: `none`

**header-tutor-prefix** `content` or `str`

The word that prefixes the tutor name in the header.

Default: `context i18n.word("Tutor")`

**header-columns** `array`

The column settings of the header.

This can break the entire header if you play with it carelessly.

Default: (1fr, 1.25fr, 1fr)

**header-align** array

The alignment of the header columns.

This can break the entire header if you play with it carelessly.

Default: (left, center, right)

**header-column-gutter** length

The space between the header columns.

Default: 0.5em

**header-row-gutter** length

The space between the header and the header line.

Default: 0.5em

**header-padding-top** length

The top padding of the header.

Default: 0.8cm

**header-padding-bottom** length

The bottom padding of the header.

Default: 1cm

**disable-page-configuration** bool

Whether to disable basic page settings.

Don't use this option in a normal document. It is included to use in sepecific settings like example rendering.

Default: false

**initial-task-number** int

The initial counter value that is used for task numbering.

Default: 1

**widget-order-reversed** false

Whether to reverse the order in which the widgets are displayed.

By default, the info box is display first and the score box second.

Default: false

**widget-column-gap** length

The horizontal gap between the widgets.

Default: `4em`

**widget-row-gap** `length`

The vertical gap between the widgets.

Default: `1em`

**widget-spacing-above** `length`

The padding above the widgets.

Default: `0em`

**widget-spacing-below** `length`

The padding below the widgets.

Default: `1em`

**score-box-enabled** `bool`

Whether to display the score box.

Default: `false`

**score-box-tasks** `array` or `none`

Set score box values manually.

Default: `none`

**score-box-show-points** `bool`

Whether to show the points per task.

Default: `true`

**score-box-bonus-counts-for-sum** `bool`

Whether the points of bonus tasks count into the sum.

Default: `false`

**score-box-bonus-show-star** `bool`

Whether to mark bonus tasks in the score box with a star.

Default: `true`

**score-box-inset** `length`

The inset value of the score box.

Default: `0.7em`

**score-box-cell-width** `length`

The cell-width value of the score box.

Default: `4.5em`

**info-box-enabled** `bool`

Whether to display the info box.

Default: `false`

**info-box-show-ids** `bool`

Whether to show the author's id values the info box.

Default: `true`

**info-box-show-emails** `bool`

Whether to show the author's email values the info box.

Default: `true`

**info-box-inset** `length`

The inset value of the info box.

Default: `0.7em`

**info-box-gutter** `length`

The gutter value of the info box.

Default: `1em`

**hyperlink-style** `function`

A function that is used to style hyperlinks.

This does *not* have an effect on in-document links but only links that are specified using a string.

Default: `underline`

**doc** `content`

The document's body.