

# User Guide

Version 1.0 © Jakob Pfeiffer

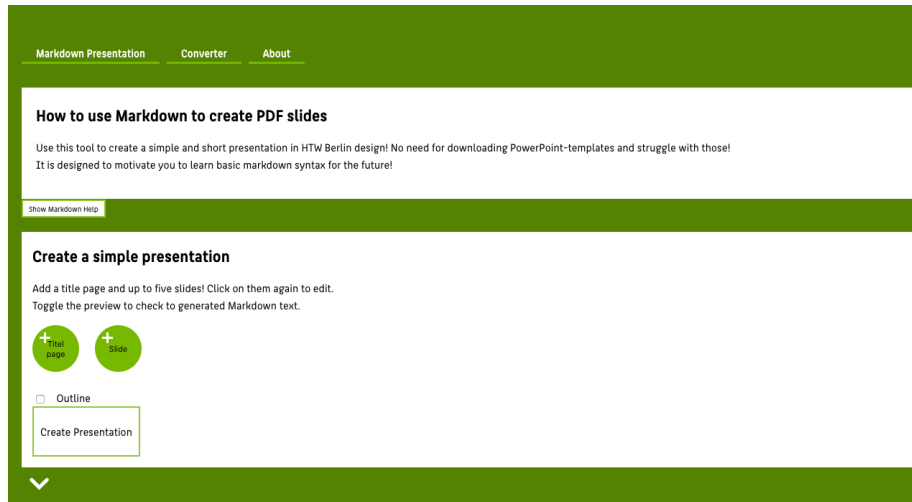
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## Introduction

This web application provides two main functionalities: \* learn markdown by creating simple presentations online \* convert documents to PDF, while applying the HTW Berlin corporate design

## Presentations using markdown

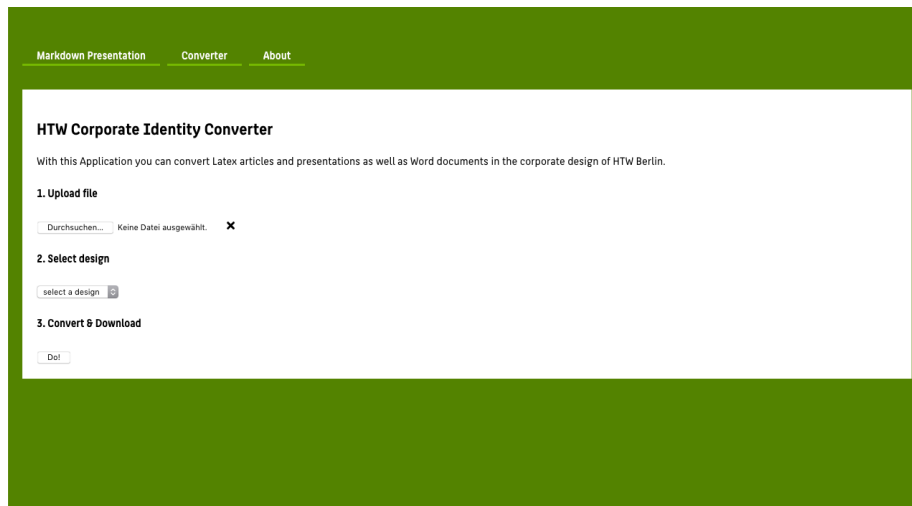


*Fig. 1: The Presentation-Creation-Tool*

The tool for creating small presentations aims to give bachelor students of lower semesters an understanding of the basic syntax of markdown. Instead of just showing or explaining the syntax to the user, the user can create a small PDF presentation using the syntax. The possible scope of the presentations, which can

be created using this tool, is suitable for AWE-courses or to illustrate achieved exercises as part of different courses.

## Conversion with corporate design



*Fig. 2: The Conversion-Tool*

The conversion tool is based on the idea to provide a possibility for professors or lecture speaker to use their default presentations slides or scripts at different universities directly in the corporate design of the university. So far only a conversion to the HTW Berlin corporate design is possible.

## Create Presentations using markdown

### Try the markdown syntax

Click on the **Show Markdown Help** button to try markdown yourself. The opened view provides an editor box and the live output of the rendered markdown to track the changes.

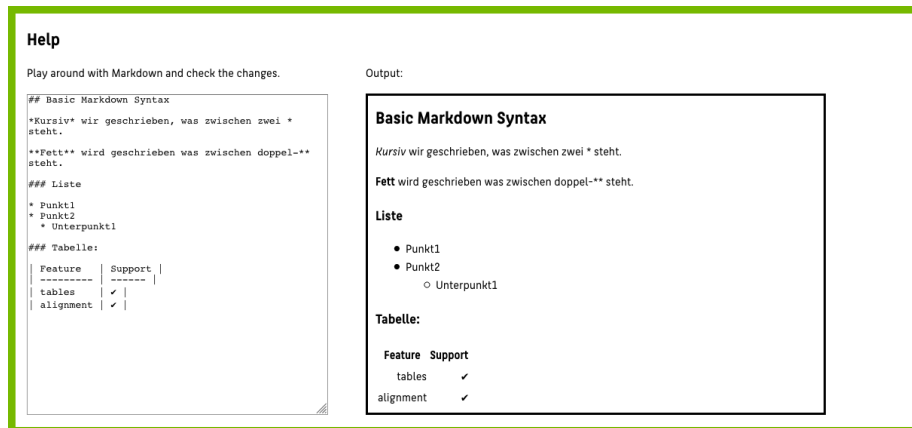


Fig. 3: The Try-Yourself-Markdown-Help-Box

## Step-by-Step to the presentation

### 1. Title Slide

The title slide will be the first slide in the presentation. It contains a *title*, a *subtitle*, the *author* and the *date*, which all can be set. The *title*, *author* and *date* are shown on all slides (beside the title slide) in the footer. ##### Create To create a title slide click on the green, round button **Title page**. This will show input fields for the mentioned contents. After setting them one can save (check-mark), cancel (cross) or delete (bin) the title page.

Titel page

Title:

Subtitle:

Author:

Date: 17/03/2019

→

✓ ✗ 🗑

Fig. 4: Create a title page

### Edit

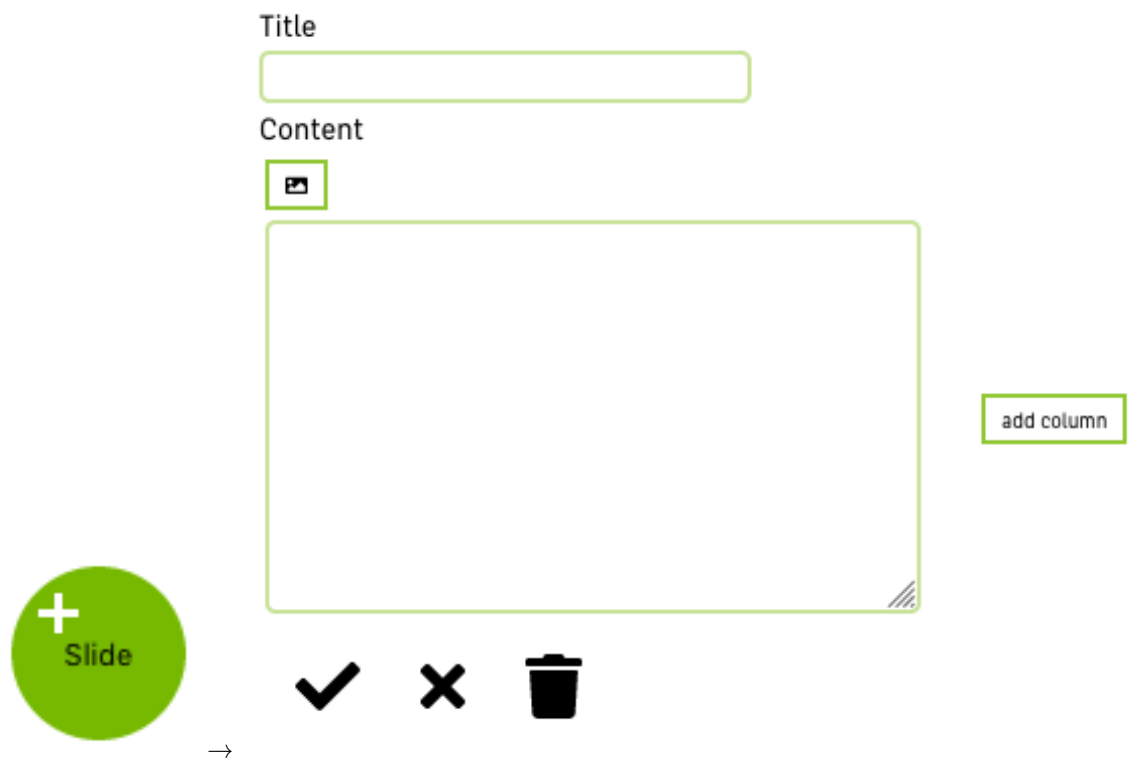
Canceling or deleting makes more sense if one is editing the slide. To edit the title slide (after saving it for the first time) click on the green, round button **title** and the input fields with the set contents will be shown.



Fig. 5: Edit/delete a title page

## 2. Slides

One can create up to five slides, which will be shown in the order in which they've been created. A slide has a *title* and *content* (the *content* can be split into two vertical columns). The *content* is where markdown syntax can be used. The user can create lists, tables and use italic/bold font. A possibility to add an image per url is provided as well. ##### Create a slide To create a new slide click on the green, round button **Slide**. This will show the slide editor.



*Fig. 6: Create a regular slide*

For each created slide a button with the index of the slide will be added:




*Fig. 7: Buttons to edit the created slides*

### Edit a slide

To edit a certain slide click on the green, round button with the number of the slide you want to edit. This will again show the slide editor, but with filled fields.

**Title**

**Content**



```
* fact1
* fact2
* fact3
```

**add column**

**1**

→






Fig. 8: Edit a regular slide

### Slide editor

In the slide editor the user can set a *title* and edit the *content* of the slide: \* enter markdown syntax for lists, tables or bold/italic font \* click on the **add column** button to add an edit-field for the second column (can be removed with **remove column** button) \* click on the small image icon to add an url to an image, which will be shown on the slide (resp. in one column of the slide)

After creating/editing the slide one can save (check-mark), cancel (cross) or delete (bin) the slide. The slides should not be overfilled with content, e.g. put images on separate slides or at least in the second column. ##### Add a column

Title

Content




add column




Title

Second slide (two columns)

Content



```
**fact1:**  
Details on fact1.
```



```
**fact2:**  
Details on fact2.
```

remove column

✓ ✕ 🗑

Fig. 9: Add a column (and content)

Add an image

Enter the URL of the image you want to add!

Image-URL

→

Title

Slide three (image)

Content



```

```

add column

✓ ✗ 🗑

Fig. 10: Add an image

### Create the presentation

To create and download the presentation, the **Create Presentation** button has to be clicked. Optionally an outline slide (on second position) can be included. A window offering to open or download the presentation will be shown. ##### Markdown-Preview To help the understanding of markdown syntax in order to create a presentation, the user can preview the created markdown before converting to PDF-slides. Therefore the user has to click on the small white arrow at the bottom of the page:



# Presentation-Markdown - Preview

---

title: Interesting title

subtitle: Detailed subtitle

author: You

date: 17/03/2019

---

## First slide (one column)

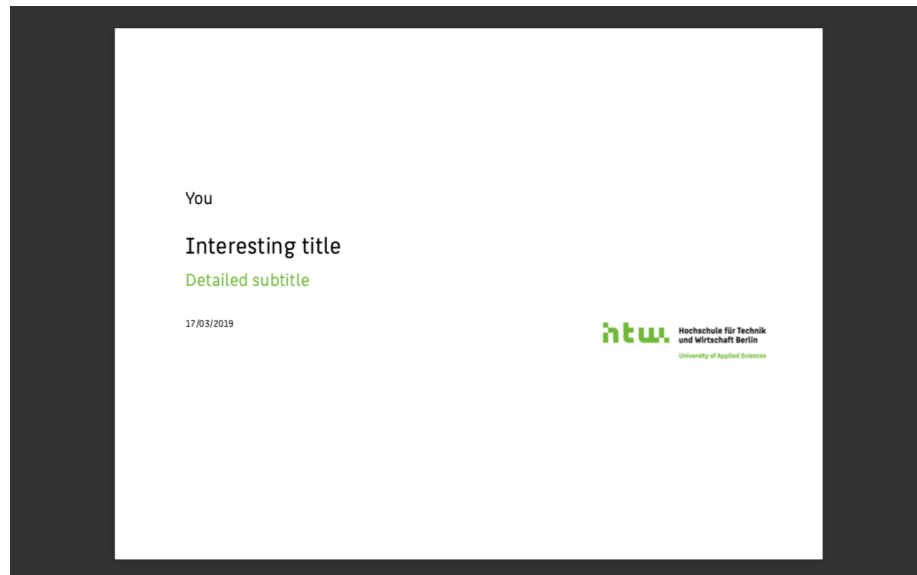
- \* fact1

- \* fact2

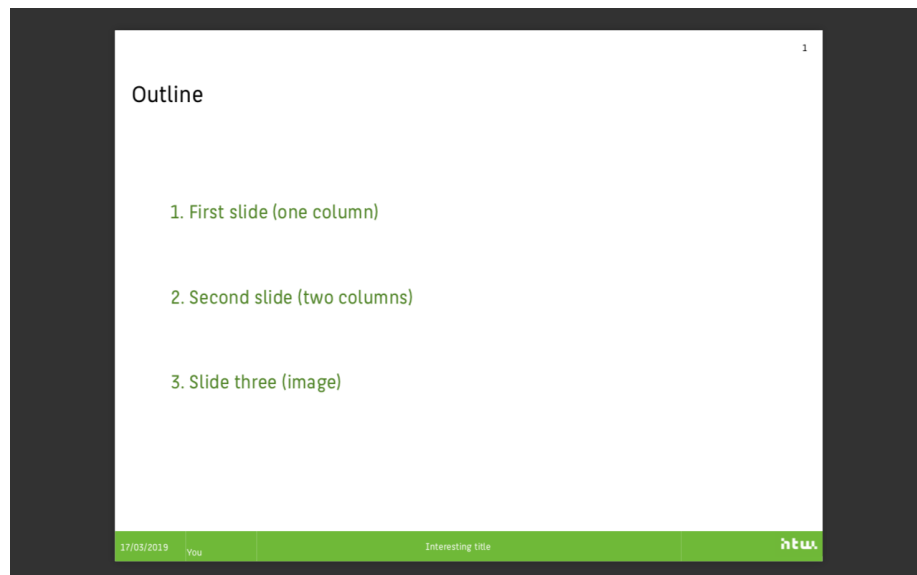
- \* fact3

*Fig. 11: Markdown-Preview*

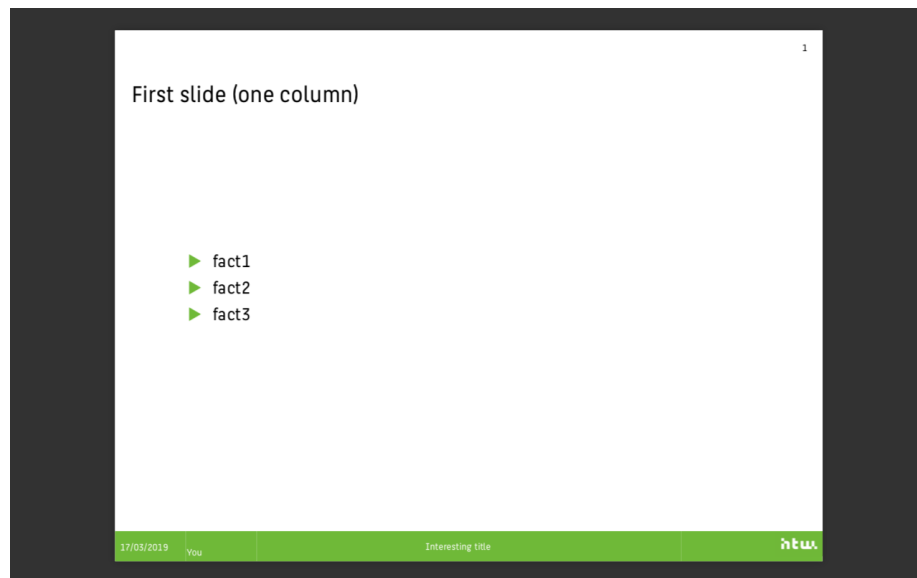
## Example outputs



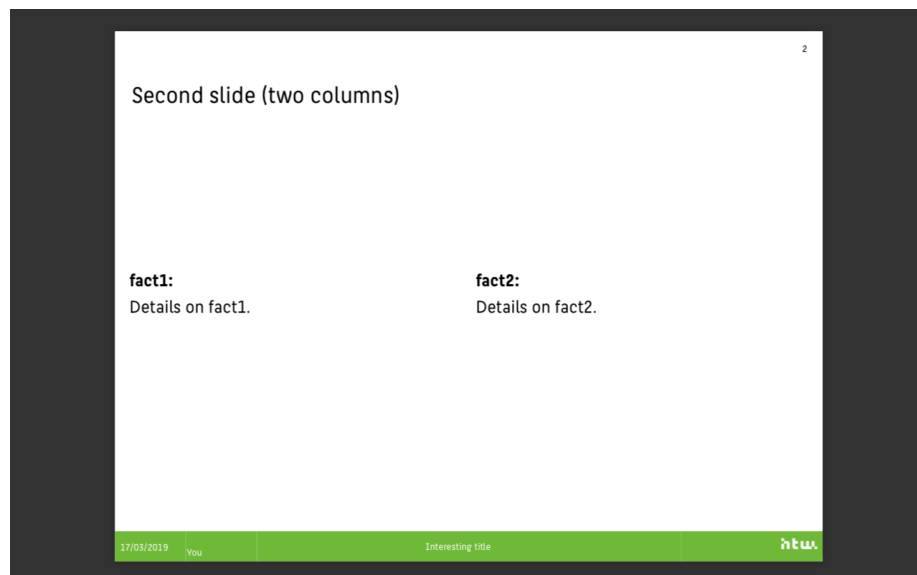
*Fig. 12: Titlepage example*



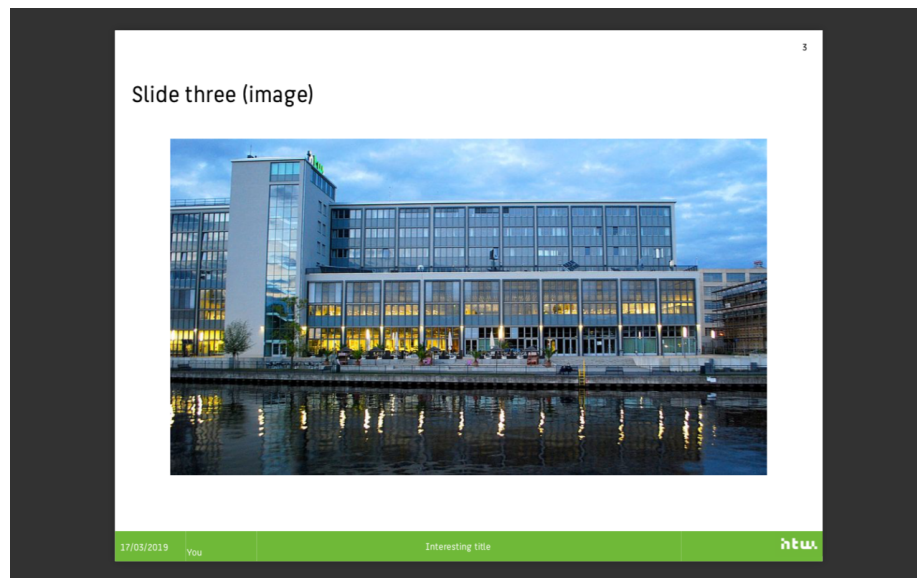
*Fig. 13: Example for creating the outline slide*



*Fig. 14: Example for creating a slide with one column*



*Fig. 15: Example for creating a slide with two columns*



*Fig. 16: Example for creating a slide with an image*



*Fig. 17: The last slide (added by default)*

## Convert documents to PDF applying a CI

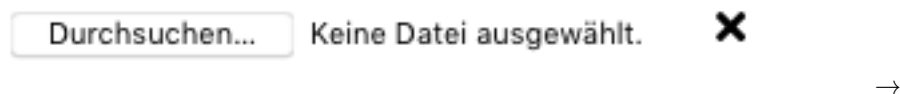
Supported document types: \* `tex` \* images: `jpg`, `png`, `pdf` \* bibliography: `bib`  
\* `docx` \* `odt`

Supported corporate designs: \* HTW Berlin

### Upload a file

Select a file on your computer to upload and convert:

#### 1. Upload file



#### 1. Upload file



*Fig. 18: Upload a file (of supported type)*

If the file type is not supported a error message will be displayed. The file (as well the `bib`-file) can be reuploaded resp. changed.

### Special case: `.tex` file

When uploading a Latex-file, additionally options will be displayed: \* uploading a `.bib`-file for bibliography (via files on computer) \* uploading images which are used inside the document (via dropzone, the user can drop the images in the dropzone)

Images can not be deleted, but, as well as all other files, they will be deleted from the server right after conversion. **Important is that in the Latex-script the images are referenced with only the name and not the full or relative path**

### 1. Upload file

Durchsuchen... example.tex ☒

#### 1.1. Upload bib-File

Durchsuchen... literatur.bib ☒

#### 1.2. Upload images - Drag & Drop here

Drop images (or pdfs) here...

mask\_branch.png - 38550 bytes  
mask\_rcnn.png - 341622 bytes

*Note: Make sure the paths to graphics (included in your Latex-file) are set to only the name of the graphic itself.*

*Fig. 19: Additional upload for .tex-file conversion*

### Convert & download

After uploading all necessary files, the document can be converted and downloaded:

### 2. Select design

HTW Berlin

### 3. Convert & Download

Do!

*Fig. 20: Convert and download the file*

A window offering to open or download the converted file will be shown.

Example Conversion

Test Title

Jakob Pfeiffer

16.10.18

Abstract text more more more more more more

Here's some math: [1]

$$\phi_n(\kappa) = \frac{1}{4\pi^2\kappa^2} \int_0^\infty \frac{\sin(\kappa R)}{\kappa R} \frac{\partial}{\partial R} \left[ R^2 \frac{\partial D_n(R)}{\partial R} \right] dR$$

Erste

Erste kapitel

Erste unter

Erste unterkapitel

Zweite

Zweite kapitel

Font Size

Bibliography

[1] TEst, interesting, Speyer: Us, 2017.

Test Title

Jakob Pfeiffer

16.10.18

Abstract

Abstract text more more more more more more

Here's some math: [1]

15

$$\phi_n(\kappa) = \frac{1}{4\pi^2\kappa^2} \int_0^\infty \frac{\sin(\kappa R)}{R} \frac{\partial}{\partial R} \left[ R^2 \frac{\partial D_n(R)}{\partial R} \right] dR$$

1 Erste

Erste kapitel

*Fig. 21: Example conversion of a word file*