

THE MANUAL FOR YOUR  
**WBT**

*makes your education easy*

# CONTENTS

	page
<b>1. A little something about it. – What will you need?</b>	<b>3</b>
The file structure	3
HTML and CSS	3
This manual	3
Your content	3
<b>2. Getting Started – Basic code-structure</b>	<b>4</b>
<body></body>	4
<nav></nav>	4
<section></section>	4
<article></article>	4
<b>3. Little Layout – Center &amp; Columnize with bootstrap</b>	<b>5</b>
Navigation	5
Flexible navigation	5
Linear navigation	6
<b>4. Language</b>	<b>6</b>
<b>5. The modules</b>	<b>7</b>
Accordion	8
Audio	8
Video	8
Gallery	9
Quiz	9
Values	10
Multiple-Choice	11
Single-Choice	11
<b>6. Shortcode List</b>	<b>13</b>

# 1. A LITTLE SOMETHING ABOUT IT.

First of all be very welcome creating your “Web Based Training” (WBT) with the tool we have provided for you.

We really hope you are having fun putting your educational content together with it and your students will have a good effect of learning with your created training.

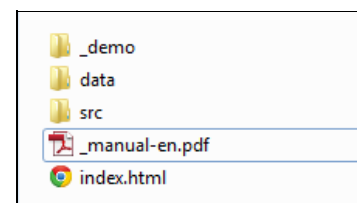
A technical feature is definitely the fact that the modules questions will be shuffled.

Which means even though your students remember the order of the questions it does not help them any. They will be forced to rethink about the answers.

## What will you need?

### The file structure

Your Folder “WBT” contains these files:



*File structure*

#### **data**

This is the folder where you can put in all your content files like videos, image files and audio files.

#### **src**

This folder contains the source code of this WBT. In this folder you can also find the language files.

#### **\_demo**

Opening this file in your browser gives you an example of a simple WBT. To show the source code, open the file with a text editor.

#### **\_manual-en.pdf**

That is the manual you are reading right now.

#### **index.html**

With the index.html file you can start building your own WBT. It already contains a slim structure to start of with.

## HTML and CSS

Even though we have reduced the necessary HTML, CSS and made developing much easier and faster for you, you still will need a tiny bit of knowledge about it.

A good website for following up on HTML would be: <http://www.w3schools.com/html/>

Of course you could start your WBT immediately, do to the style of bootstrap which we have already included. But if you want to implement your individual layout you would need to use CSS.

This is a pretty good website to start of with on CSS: <http://www.w3schools.com/css/>

To use more bootstrap elements (especially for responsive objects) visit <http://getbootstrap.com/>.

## This manual

Well, without this manual the software is not very useful to you.

It only takes a few tricks to use your WBT the most efficient way. After finishing going through it you will already know how to use your new tool with in 30 minutes. Finally you will only need the manual looking up things quickly afterwards. The table of content is structured in a way that will support you doing exactly this.

## Your Content

Last but not least, of course the information of your educational training for your students.

# 2. GETTING STARTED

## Basic Code-Structure

To start of you will need a minimalist but necessary basic structure which is shown on the right. With this little code you already got your first section prepared for your content. But without it nothing will work.

**<body storage-enabled="0"></body>**

Saving your sessions can be activated with the attribute **storage-enabled**

**storage-enabled="1" >> Local Storage is activated**

**storage-enabled="0" >> Local Storage is deactivated**

```
<body storage-enabled="0">
<nav
class="mainNavigation"></nav>
<section>
<h1>Section 1</h1>
<article>
<h2>Headline 1</h2>
<p>Content</p>
</article>
</section>
</body>
```

**<nav class="mainNavigation"></nav>**

Creates your main navigation.

**<section></section>**

With each section you add, a link will be generated in your menu automatically.

**<h1>Section 1</h1>**

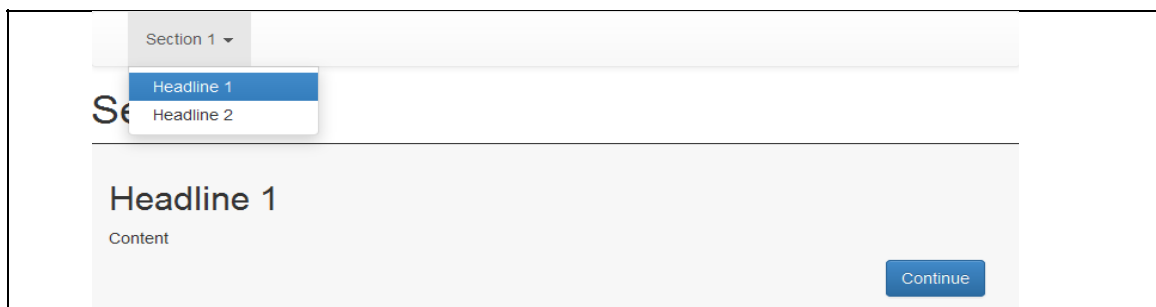
Each section requires a h1-headline

**<article><h2>Headline 1</h2></article>**

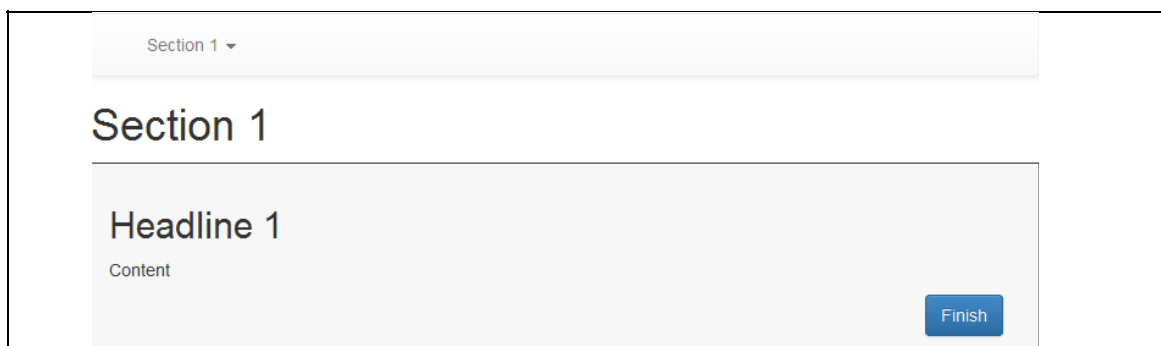
A section also requires at least one article including a h2-headline.

If you have more than one article in your sections buttons for switching backward and forward between the articles will be automatically generated as well as the links will be set as a subnavigation.

In your last article you will have a "Finish" button available which will finish the section and checks the answers of your students.



*Generated (sub)menus and buttons for switching through your articles*



*Finish button in your last article*

### 3. BASIC LAYOUT

#### Center & Columnize with bootstrap

The basic structures layout is set to a full width layout.

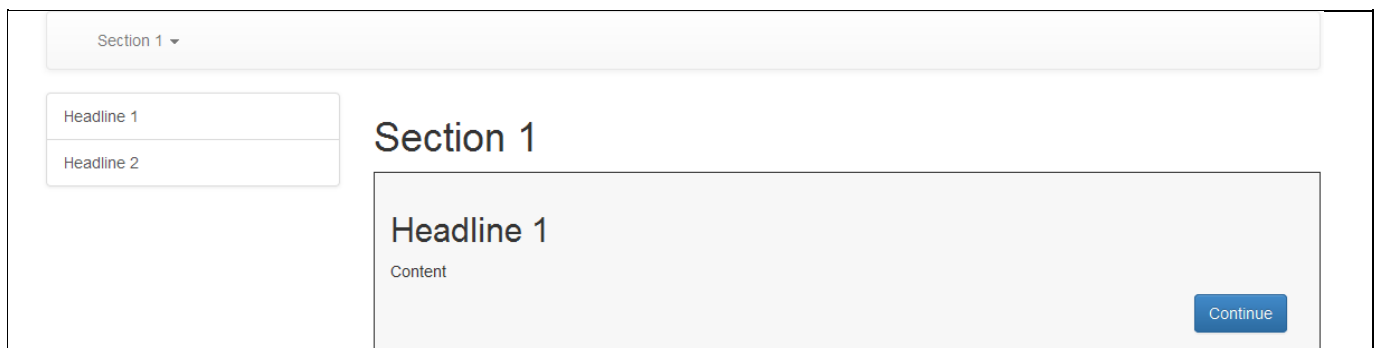
**<div class="container"></div>**

Just wrap a “container”-div around your section to center the whole site. For styling and structuring your WBT you easily can also use bootstrap classes. You can find more information on:

<http://getbootstrap.com/css/>

For example, we use the columnizing classes to split the page into a sidebar (`<div class="col-md-3 col-xs-3">`) and a main content area (`<div class="col-md-9 col-xs-9">`).

```
<body>
<div class="container">
  <nav
class="mainNavigation"></nav>
  <div class="row">
    <div class="col-md-3 col-xs-3">
      <nav
class="subNavigation"></nav>
    </div>
    <div class="col-md-9 col-xs-9">
      <section>
        <h1>Section 1</h1>
        <article>
          <h2>Headline 1</h2>
          <p>Content</p>
        </article>
      </section>
    </div>
  </div>
</div>
</body>
```



Main and submenu in a columnized layout

#### Navigation

You have two types of navigation available.

**<nav class="mainNavigation"></nav>**

First type is the main navigation in the header which holds links to sections and adds links to articles in a dropdown menu.

**<nav class="subNavigation"></nav>**

The second type of menu is the *submenu* which allows the user to jump directly to the next article (page).

#### Flexible navigation

Generally all generated menus are flexible. Which means the user can switch easily between the sections and pages.

```
<body>
<div class="container">
  <nav
class="mainNavigation"></nav>
  <div class="row">
    <div class="col-md-3 col-xs-3">
      <nav
class="subNavigation"></nav>
    </div>
    <div class="col-md-9 col-xs-9">
      <section>
        <h1>Section 1</h1>
        <article>
          <h2>Headline 1</h2>
          <p>Content</p>
        </article>
      </section>
    </div>
  </div>
</div>
</body>
```

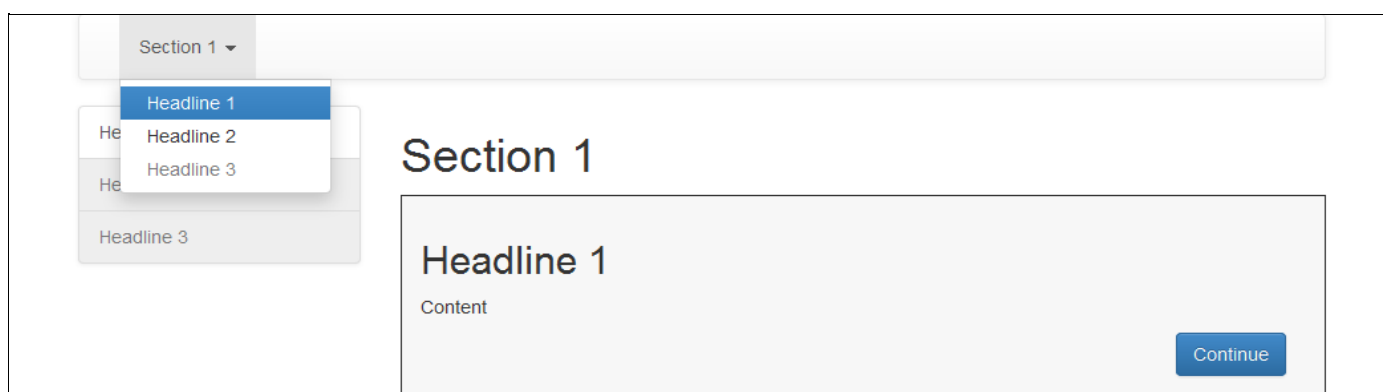
## Linear navigation

For each section you have the option to change between a linear and a non-linear section type.

**<section data-linear="1"> <section>**

Simply include the *data-linear* attribute set on 1 and the user can only switch to the next article when the previous one is done.

```
<body>
....
<section data-linear="1">
  <h1>Section 1</h1>
  <article>
    <h2>Headline 1</h2>
    <p>Content</p>
  </article>
</section>
....
</body>
```



*The user can not go to the next article if the previous one is not done.*

## 4. LANGUAGES

It is possible to use your preferred language for the buttons and error messages.

Simply implement the script for the language you would like to use:

### Deutsch

```
<script src="src/lang/DE_de.js" type="text/javascript" charset="utf-8" defer></script>
```

### Englisch

```
<script src="src/lang/EN_en.js" type="text/javascript" charset="utf-8" defer></script>
```

If you want to create your own language files, copy the content from one of the given files into your own file and edit the string values for each property.

Don't forget to include your script which you have created.

## 5. THE MODULES

**<div class="module *modulname*"></div>**

Using modules only needs a div container with the class “module” and the name of the module you would like to use.

### Available modules are:

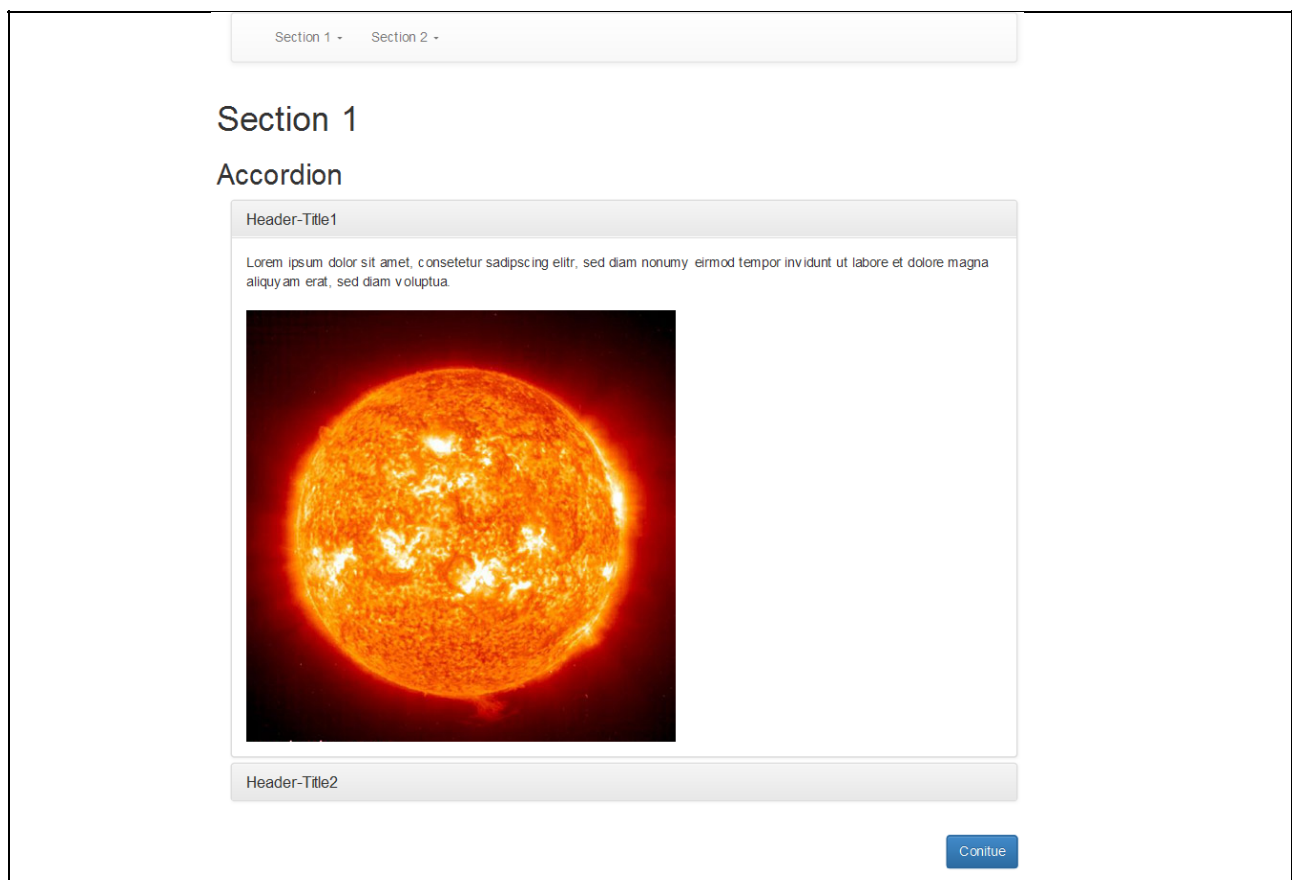
Accordion	<code>&lt;div class="module accordion"&gt;&lt;/div&gt;</code>
Audio	<code>&lt;div class="module audio"&gt;&lt;/div&gt;</code>
Video	<code>&lt;div class="module video"&gt;&lt;/div&gt;</code>
Galerie	<code>&lt;div class="module gallery"&gt;&lt;/div&gt;</code>
Quiz	<code>&lt;div class="module dragDrop"&gt;&lt;/div&gt;</code>
Values	<code>&lt;div class="module value"&gt;&lt;/div&gt;</code>
Multiple-Choice	<code>&lt;div class="module multiple-choice"&gt;&lt;/div&gt;</code>

### Accordion

```
<div class="module accordion">
  <p data-title="Header-Title1">Content1</p>
  <p data-title="Header-Title2">Content1</p>
</div>
```

Each accordion requires at least one `<p>`-tag with the attribute ***data-title*** and content inside of it.

```
<article>
  <h2>Headline 1</h2>
  <div class="module accordion">
    <p data-title="Header-Title1">
      Content1
    </p>
    <p data-title="Header-Title2">
      Content2
    </p>
  </div>
</article>
```



Modul “accordion”

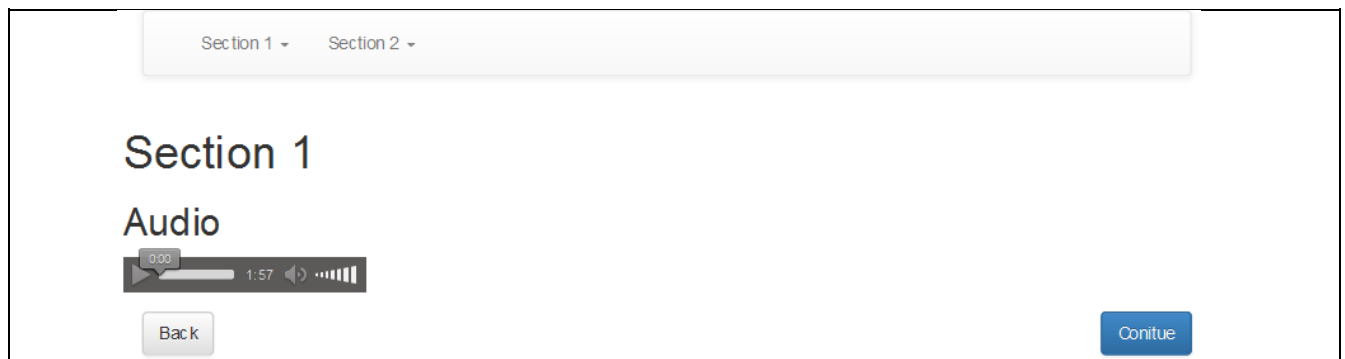
## Audio

```
<div class="module audio">  
  <p data-src="data/sound/audio.mp3"></p>  
</div>
```

Each audio requires a `<p>`-tag with the attribute ***data-src*** for including the path to your soundfile.

**Accepted audio formats:** .mp3, .ogg

```
<article>  
  <h2>Headline 2</h2>  
  <div class="module audio">  
    <p  
      data-src="data/sound/name.mp3">  
    </p>  
  </div>  
</article>
```



Modul "audio"

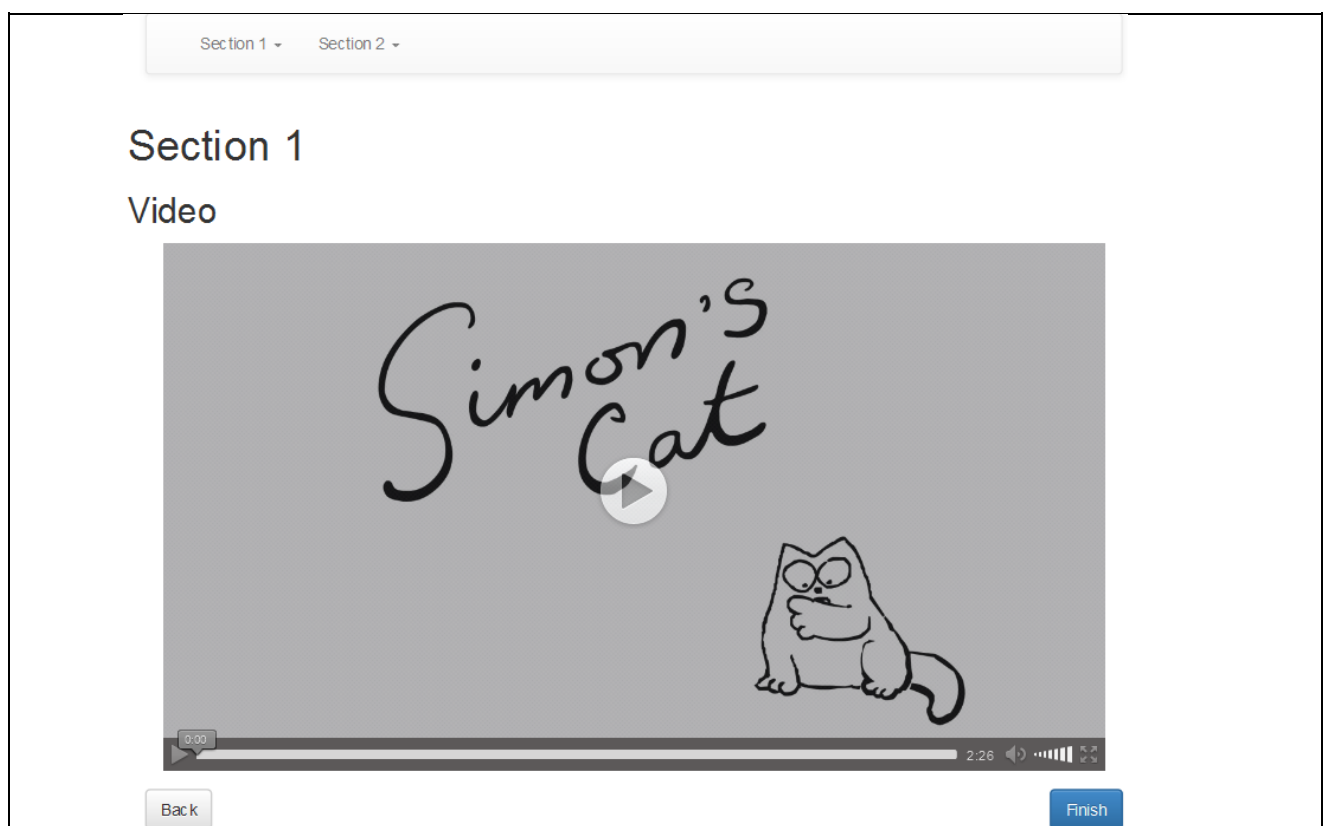
## Video

```
<div class="module video">  
  <p data-src="data/video/cat.mp4"></p>  
</div>
```

Each video requires a `<p>`-tag with the attribute ***data-src*** including the path of your video

**Accepted video formats:** .mp4, .ogg, .webm

```
<article>  
  <h2>Headline 3</h2>  
  <div class="module video">  
    <p  
      data-src="data/video/name.mp4">  
    </p>  
  </div>  
</article>
```





## Gallery

```
<div class="module gallery">
  <div data-src="data/images/Slide-1.jpg">
    Optional: image title
  </div>
  <div data-src="data/images/Slide-2.jpg"></div>
  <div data-src="data/images/Slide-3.jpg"></div>
</div>
```

```
<article>
  <h2>Headline 4</h2>
  <div class="module gallery">
    <div data-src="data/images/name.jpg">
      image title
    </div>
  </div>
</article>
```

Each gallery requires a `<div>`-tag with the attribute ***data-src*** for including the path to your image.

**Accepted formats:** every image format that the browser can display.



Modul "gallery"

## Drag & Drop (Quiz)

```
<div class="module dragDrop" data-question="Can  
you find the matching words?">
```

```
</div>
```

```
  <div>apple</div>
```

```
  <div>tree</div>
```

```
</div>
```

Each div container of **dragDrop** needs also the attribute **data-question** to ask your question.

```
<article>  
  <h2>Quiz</h2>  
  <div class="module dragDrop"  
    data-question="What is your question?">  
    <div>  
      <div>Draggable Word</div>  
      <div>Draggable Target</div>  
    </div>  
  </div>  
</article>
```

Each matching unit is wrapped simply in a `<div>`-container including two further `<div>`-tags. The first one defines the *draggable word* and the second one the *draggable target*.

Section 1 ▾ Section 2 ▾

## Section 2

### Quiz

Can you find the matching words?

Blumen

Apfel

Topf

Baum

Back

Finish

Modul "dragDrop"

# Value

```
<div class="module value" data-value="123" data-label="m/s"></div>
```

Each div container of value needs these attributes:

**data-value** to set your requested value

**data-question** to ask your question

**data-label (optional)** to set the value unit

```
<article>
  <h2>Values</h2>
  <div class="module value"
    data-value="correct value"
    data-question="What is your question?"
    data-label="unit">
  </div>
</article>
```



Modul "values"

# Multiple Choice

A certain amount of correct and incorrect answers is possible.

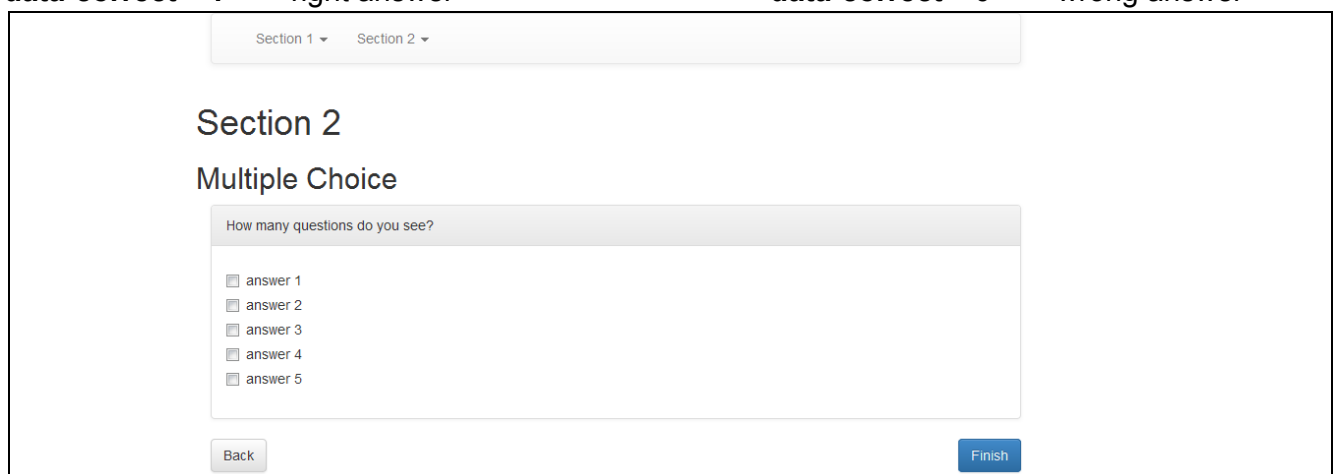
```
<div class="module multiple-choice"
data-question="How many questions do you see?">
  <p data-correct="1">answer 1</p>
  <p data-correct="0">answer n</p>
</div>
```

```
<article>
  <h2>Multiple Choice</h2>
  <div class="module multiple-choice"
    data-question="asked question">
    <p data-correct="1"> answer 1</p>
    <p data-correct="0"> answer n</p>
  </div>
</div>
</article>
```

Each div container of multiple choice requires an attribute **data-question** to set your question for the user. The possible answers need to be wrapped into a `<p>`-tag including the necessary attribute **data-correct** to mark the answers as correct or incorrect.

**data-correct="1"**      right answer

**data-correct="0"**      wrong answer



Modul "multiple choice"

## Single Choice

Only one correct answer is possible.

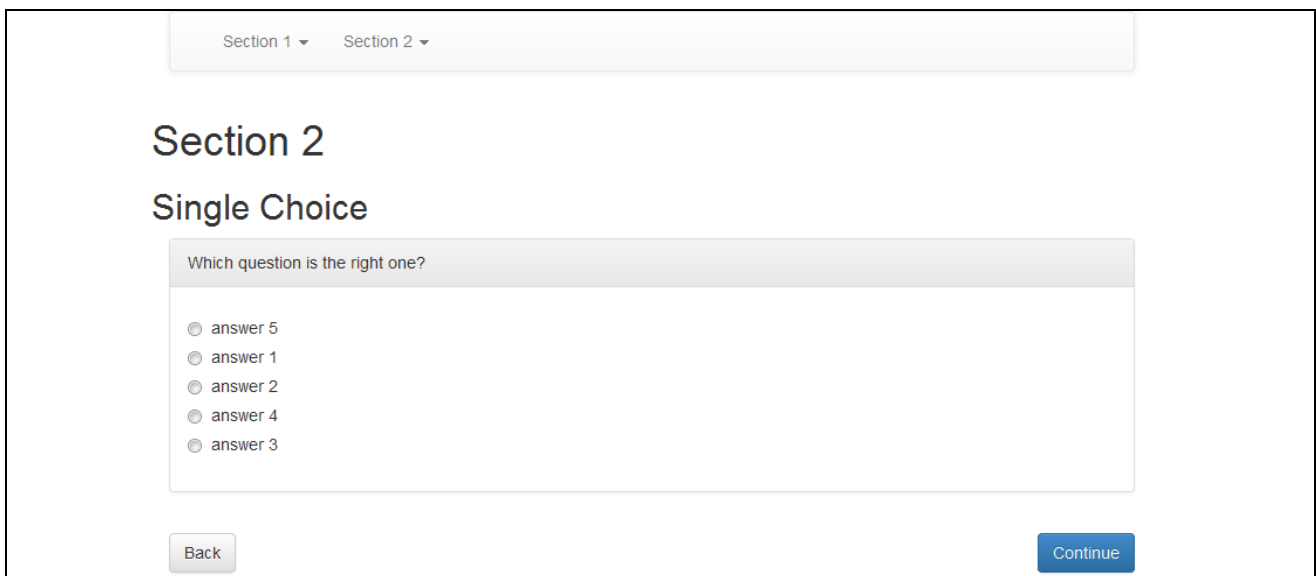
```
<div class="module single-choice"
data-question="Which question is the right one?">
  <p data-correct="1">answer 1</p>
  <p data-correct="0">answer n</p>
</div>
```

```
<article>
  <h2>Single Choice</h2>
  <div class="module single-choice"
data-question="asked quetion">
    <p data-correct="1"> answer 1</p>
    <p data-correct="0"> answer n</p>
  </div>
</div>
</article>
```

Each div container of single choice requires an attribute **data-question** to set your question for the user. The possible answers need to be wrapped into a `<p>`-tag including the necessary attribute **data-correct** to mark the answers as correct or incorrect.

data-correct="1"      right answer

data-correct="0"      wrong answer

The screenshot shows a user interface for a 'Single Choice' question. At the top, there are two dropdown menus labeled 'Section 1' and 'Section 2'. Below them, the title 'Section 2' is displayed in a large font, followed by 'Single Choice' in a slightly smaller font. The question itself is 'Which question is the right one?' and is presented in a light gray box. Below the question, there are five radio button options: 'answer 5', 'answer 1', 'answer 2', 'answer 4', and 'answer 3'. At the bottom of the interface, there are two buttons: 'Back' on the left and 'Continue' on the right.

Modul "single choice"

## 5. SHORTCODE LIST

### Structur

SHORTCODE	*REQUIRED	DESCRIPTION
<code>&lt;body storage-enabled=""&gt;&lt;/body&gt;</code> <code>storage-enabled="1"</code> <code>storage-enabled="0"</code>		Allows sessions to be saved Activates the Local Storage Deactivates the Local Storage
<code>&lt;div class="container"&gt;&lt;/div&gt;</code>		Centers the whole WBT in the browser
<b>Navigation-Dynamic</b> <code>&lt;nav class="mainNavigation"&gt;&lt;/nav&gt;</code> <code>&lt;nav class="subNavigation"&gt;&lt;/nav&gt;</code>	*	Main Navigation Sub Navigation
<b>Navigation-Linear</b> attribute: data-linear="1"		Sets a section on a linear navigation
<code>&lt;section&gt;&lt;/section&gt;</code> attribute: data-linear="1"	*	A Session Sets session navigation to linear
<code>&lt;h1&gt;&lt;/h1&gt;</code>	*	Required headline for a session
<code>&lt;article&gt;&lt;/article&gt;</code>	*	A Page in a session
<code>&lt;h2&gt;&lt;/h2&gt;</code>	*	Required headline for an article
<b>Modules</b>		
<b>Initiate</b> <code>&lt;div class="module"&gt;&lt;/div&gt;</code>	*	Initiate a module
<b>Set</b> <code>&lt;div class="module module-name"&gt;&lt;/div&gt;</code>	*	Set a type including the class "module"
<b>Modul-structure and attributes</b> <b>accordion</b> <code>&lt;div class="module accordion"&gt;&lt;/div&gt;</code> <code>&lt;p data-title="Header-Title"&gt;&lt;/p&gt;</code>	* *	Accordion Initiate and set the module Headline for each accordion header
<b>audio</b> <code>&lt;div class="module audio"&gt;&lt;/div&gt;</code> <code>&lt;p data-src="data/sound/name.mp3"&gt;&lt;/p&gt;</code> Accpted audio formats: .mp3, .ogg	* *	Audio Initiate and set the module Path to audio file
<b>gallery</b> <code>&lt;div class="module gallery"&gt;&lt;/div&gt;</code> <code>&lt;div data-src="data/images/name.jpg"&gt;&lt;/div&gt;</code> image title	* *	Gallery Initiate and set the module Path to image file Title or description about the image
<b>dragDrop</b> <code>&lt;div class="module dragDrop"&gt;&lt;/div&gt;</code> <code>data-question=" "</code> <code>&lt;div&gt;</code> <code>&lt;div&gt;Draggable Word&lt;/div&gt;</code> <code>&lt;div&gt;Draggable Target&lt;/div&gt;</code> <code>&lt;/div&gt;</code>	* * * * *	Quiz Initiate and set the module Question to the quiz Wrapp Draggable Word and Target Word Draggable Word Draggable Target

**value**

```
<div class="module value"></div>
data-question=" "
data-value=" "
data-label=" "
```

**Value**

- \* Initiate and set the module
- \* The question which need to be answered
- \* The correct answer
- The value unit

**multiple-choice**

```
<div class="module multiple-choice"></div>
data-question=" "
<p data-correct="1"> answer 1</p>
<p data-correct="0"> answer n</p>
```

**Multiple Choice**

- \* Initiate and set the module
- \* The question which need to be answered
- \* Answers to the question

**single-choice**

```
<div class="module single-choice"></div>
data-question=" "
<p data-correct="1"> answer 1</p>
<p data-correct="0"> answer n</p>
```

**Single Choice**

- \* Initiate and set the module
- \* The question which need to be answered
- \* Answers to the question