

Drag and Drop Quizzes

This is a fork of Michael Markerts drag and drop quiz template which also allows has a mode for images.

- See the Github version of this document [here...](#)
- See the LiaScript version of this document [here...](#)
- Developer guide (build, test, extend): [docs/development.md](#)

To use these macros within your document, simply import it into LiaScript via:

```
import: https://raw.githubusercontent.com/Ifi-Diagnostik-Project/LiaScript_DragAndDrop_Template/refs/heads/main/README.md
```

Order quiz

Try to order these items correctly by dragging and dropping them!

1

2

4

3

Prüfen

Try to order these items correctly by dragging and dropping them (hint: should be a sentence)!

this

solution

the

is

Prüfen

This example allows only 3 attempts before locking the quiz as failed:

this

the

solution

is

Prüfen

This example disables the neighbor-gluing feature (correctly ordered pairs will not travel together when dragging):

is

the

solution

this

Prüfen

now with images

You can also use images — if all items are valid URLs the quiz automatically switches to image mode:



Prüfen

How to use

The signature for the order quizzes is

```
@dragdroporder(@uid,<correct>,<maxTrials?>,<glueNeighbors?>)
```

, where

- `@uid` generates an id for the quiz which is important for correct implementation,
- `<correct>` is the correct order of elements (separated by `|`); the items are always shuffled randomly on first load,
- `<maxTrials>` (optional) is a positive integer — if provided, the quiz is locked as failed after that many wrong attempts,
- `<glueNeighbors>` (optional, default `true`) — when `true`, clicking „Prüfen“ reveals hints for correctly-ordered adjacent pairs (green edge highlights) and glues those pairs together: dragging one element in a correctly-ordered run automatically moves the whole run with it. Pass `false` to disable this feature entirely.

Example: `@dragdroporder(@uid,this|is|the|solution)`

Example with 3 max trials: `@dragdroporder(@uid,this|is|the|solution,3)`

Example with neighbor-gluing disabled:

`@dragdroporder(@uid,this|is|the|solution,3,false)`

Example with 3 max trials and neighbor-gluing disabled:

`@dragdroporder(@uid,this|is|the|solution,3,false)`

If you want to use images, provide the full public URLs of the images as items. If every item is a valid URL, the quiz automatically switches to image mode. You may use LiaScript macros to shorten long URLs (see example above).

Example with images:

`@dragdroporder(@uid,https://example.com/img1.jpg|https://example.com/img2.jpg|https://example.com/img3.jpg)`

Multiple choice quiz

Select the correct numbers from the pool (hint: odd numbers only)!

Auswahl:

3

1

4

5



6

2

Antwort:

You can also use images (hint: cars are cool, but planes are cooler)!

Auswahl:



Antwort:



Prüfen

How to use

The signature for the selection quizzes is

```
@dragdropmultiple(@uid,<correct>,<wrong>,<maxTrials?>)
```

, where

- `@uid` works the same as in the order quiz,
- `<correct>` are the correct answers (separated by `|`),
- `<wrong>` are the wrong answers (again separated by `|`),
- `<maxTrials>` (optional) is a positive integer — if provided, the quiz is locked as failed after that many wrong attempts.

Note: the pool of answers is always shuffled randomly on first load.

Example: `@dragdropmultiple(@uid,1|3|5,2|4|6)`

Example with 3 max trials: `@dragdropmultiple(@uid,1|3|5,2|4|6,3)`

If you want to use the images, you need to input the whole public URLs to the images as parameters. If all parameters are viable URLs, the quiz automatically uses image mode.




You might want to use makros in the case of many/long URLs. Just look at the source code of the example quiz to see how it works. (Note: This only works if the comment is directly under the headline, and the makros only exist for that page. If you want to reuse them somewhere else, put them into the header comment.)

Sorting Quiz

Try sorting these words to the correct field! Some fields may have multiple correct answers.

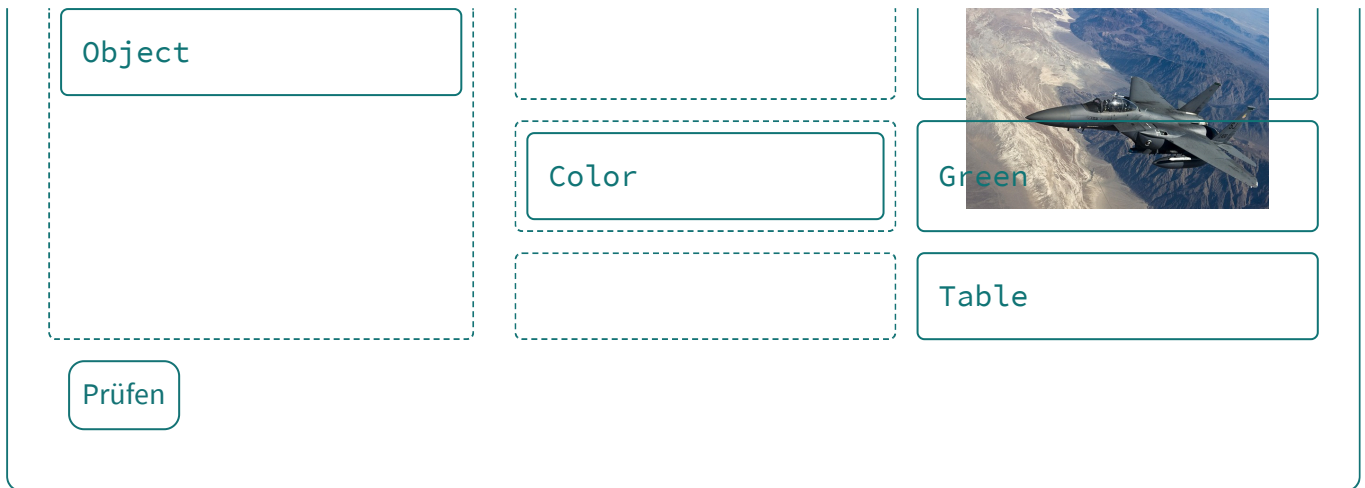
Object		
Color		Green
Jet		Table
Plane		
Prüfen		

You can also sort images!

		Plane
		Jet
		Car
Prüfen		

This example uses the pre-fill feature to give students a head start (2 answers pre-placed):

Jet	Plane	
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How to use

The signature for the sorting quizzes is

```
@dragdropsort(@uid,<answers>,<prefill?>,<maxTrials?>),
```

, where

- `@uid` works the same as in the order quiz,
- `<pairs>` are the pairs (again separated by `|`), consisting of the target and at least one affiliated answer (separated by `;`), and
- `<prefill>` (optional) is a positive integer — if provided, that many answers are pre-placed into their correct targets to give students a head start,
- `<maxTrials>` (optional) is a positive integer — if provided, the quiz is locked as failed after that many wrong attempts.

Note: the pool of answers is always shuffled randomly on first load.

Example: `@dragdropsort(@uid,@f18;Plane;Jet|Green;Color|Table;Object)` The target is always the first one in the pair-list.

Example with pre-fill:

`@dragdropsort(@uid,@f18;Plane;Jet|Green;Color|Table;Object,2)` pre-places the first correct answer for each of the first 2 targets.

Example with pre-fill and 3 max trials:

```
@dragdropsort(@uid,@f18;Plane;Jet|Green;Color|Table;Object,2,3)
```

After a wrong check, correctly placed items are highlighted in green and incorrectly placed (or unplaced) items are highlighted in red.

Using images for the answers works the same as in the multiple choice quiz, but targets can be a mix of images and text.