

# ***CONFIGURATION TOOL MANUAL***

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## DOCUMENTATION

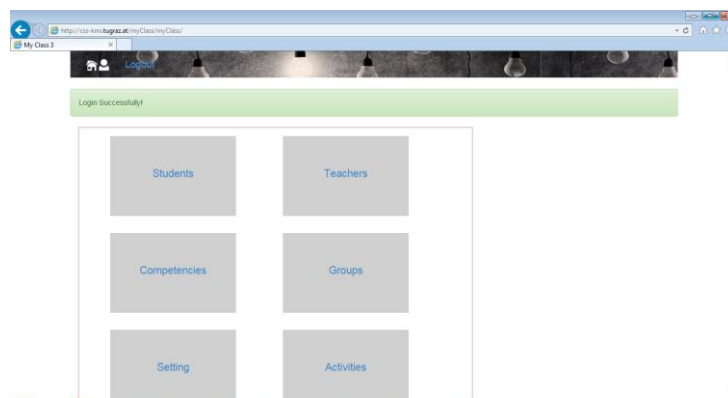
In order to make the Platform as well as the customized tools usable and meaningful for users, a configuration/authoring tool is necessary. In year 1 of the project we dedicated special attention in having such tool ready as early as possible in order to be prepared for early role out and studies, which in turn inform the research, design, and development processes.

Because there are a variety of different versions (e.g., language versions), customized tools, and platform tools, there are and will be a various instances of the configuration available.



### Registration / Login

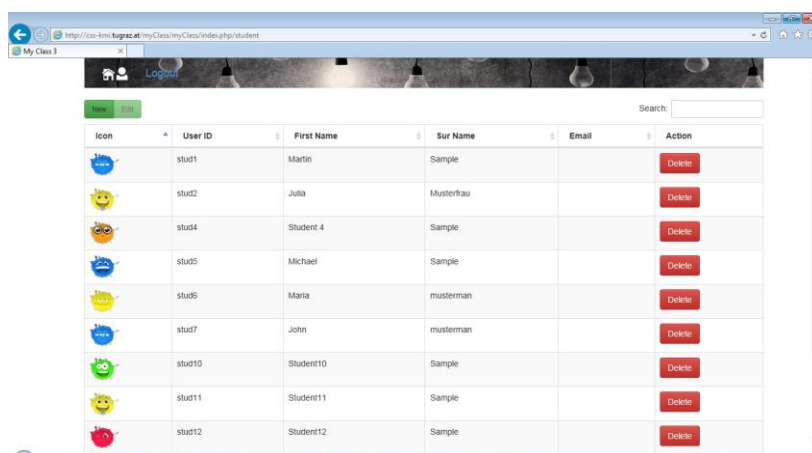
We decided that in the early stage of the project, the registration of new users (administrators) is made manually and upon request by the project. This allows a monitoring of who is using the system and tools and how. With the assigned login credentials the user can login to the configuration tool.












In the main application the user can select the individual configurations for students, teachers, groups (e.g., classes), competencies, activities, and general settings.

## Students

Mandatory information for students are unique user-id, password, first name, and surname. Optional information is email, the school level (as defined for a particular school in the general settings) and additional level (as defined for a particular school in the general settings) and an icon. Icons can be uploaded to the system and there is an option to select one of a set of standard icons.



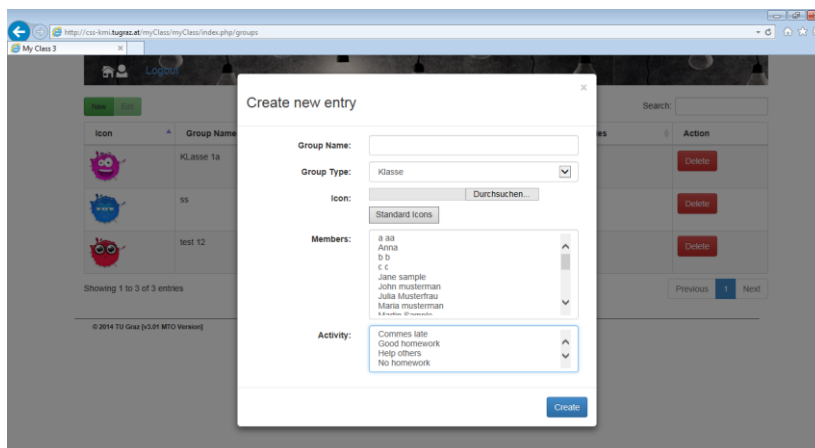
Icon	User ID	First Name	Sur Name	Email	Action
	stud1	Martin	Sample		<a href="#">Delete</a>
	stud2	Julia	Musterfrau		<a href="#">Delete</a>
	stud4	Student 4	Sample		<a href="#">Delete</a>
	stud5	Michael	Sample		<a href="#">Delete</a>
	stud6	Maria	musterfrau		<a href="#">Delete</a>
	stud7	John	musterfrau		<a href="#">Delete</a>
	stud10	Student10	Sample		<a href="#">Delete</a>
	stud11	Student11	Sample		<a href="#">Delete</a>
	stud12	Student12	Sample		<a href="#">Delete</a>

## Teachers

Equally to setting up students, an administrator can setup further teachers. The difference to the students configuration is that teachers do not have icons and that subjects (school subjects, if available) and particularly groups (e.g., classes) can be assigned to a teacher. In the various tools, a teacher has only access to subjects/groups that are assigned here.

## Groups

Groups refer to a set of students. In the settings area one can define a number of group types suitable for a particular school. There might be regular classes but also subgroups or specific groups of children for the afternoon activities. In addition, groups can have icons (icons can be uploaded to the system and there is an option to select one of a set of standard icons). The members of the group can be selected among the students registered for a specific school. Finally also certain activities can be assigned to a group (which then is used in certain tools).



## Competencies

Competencies are defined by a name, a description, a school level and another type of level (as applicable). For example, some schools have the regular levels (e.g., 1<sup>st</sup> grade to 4<sup>th</sup> grade), however, the competencies are assigned to higher level such general level 1 and 2. Further, competencies can be grouped using a group name (e.g., 1<sup>st</sup> grade math).

In addition, there are several more complex elements which are used by some of the tools. The field prerequisites defined a set of competencies that are a prerequisite to acquire the competency. Parentid defines the higher level (parent) competencies in order to establish hierarchical structures. Term refer to a certain period (as defined in the settings), value defines an initial standard value (e.g., the likelihood that a competency is held by a student), and finally one can assign an arbitrary difficulty level (e.g., easy, medium, hard).

## Activities

Various tools and functions work with certain predefined activities. For example, in the Learning Map tool, a teacher can predefine certain events/behaviors/activities (e.g., 'no homework', 'shows great insight', 'helps others'). In a lesson it is then very easy and quick to track and count such events, for example using tablets or other mobile devices.

Activities are only defined by name and icon.

## Settings

These are the general settings to be defined for a particular school. This includes the terms, group types, school levels, levels, and the year.

## Technical Information

The data structure that is addressed with this is described in the System Design Document (D2.1) released in M8. Technically the tool is based on php, MySQL, DataTables (<https://www.datatables.net>), and jQuery.