

# Documentation Environment Store

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## Size dialog

At startup, a small GUI is shown that prompts the user to enter the amount of rows and columns the map has that they want to create. At the moment, for an existing map to be loaded in the map editor, the correct sizes of the map have to be entered before the map can be loaded. Figure one displays the size dialog:

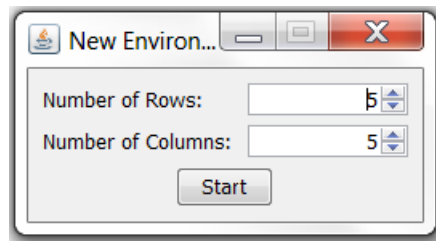


Figure 1: the size dialog

## Map editor

After specifying the amount of rows and columns the map should have, and clicking on the Start button, the map editor is launched. Figure 2 shows the environment store after launch, with a 5x5 map:

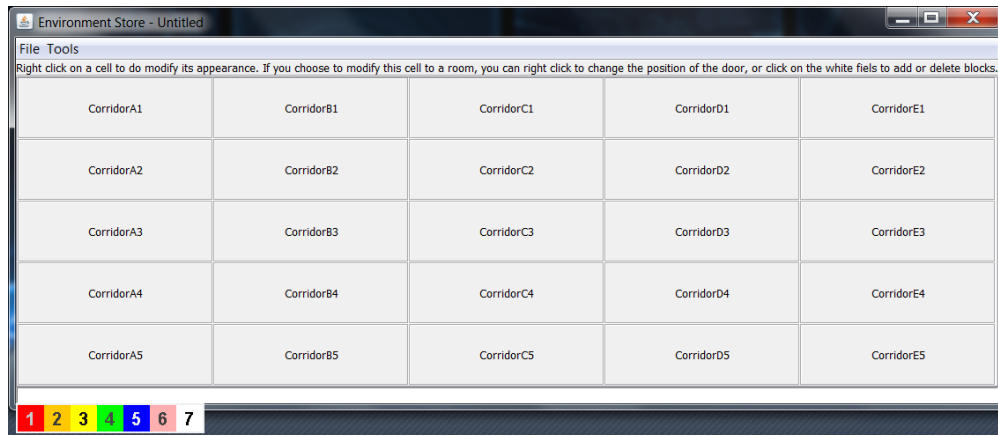


Figure 2: the map editor with a 5x5 freshly created map

The map editor has many functionalities. The functionalities are detailed bit by bit in this documentation.

## Editing a room

Right click on any corridor (or any zone of the matrix for that matter), and the following drop down menu is shown:

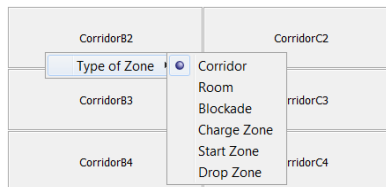


Figure 3: the drop down menu generated when a zone is right clicked

This allows a zone to be converted to any one of a corridor, a room, a blockade, a charge zone, a start zone, and a drop zone. The following figure shows the different appearances of the zones in the map editor:

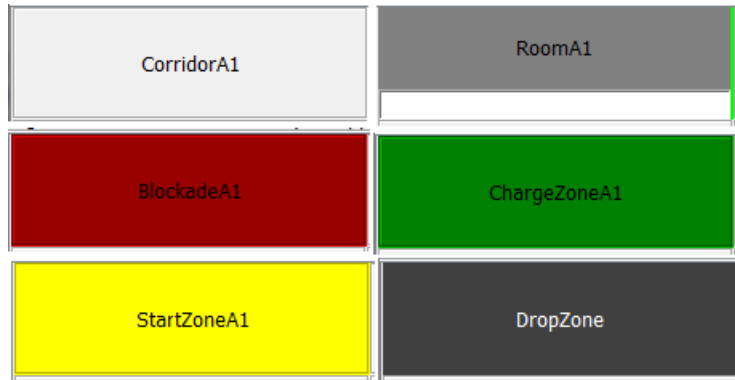


Figure 4: the color palette at the bottom of the map editor

As can be seen, The room and drop zone contain a green border. This is to indicate which way the door to enter the room is faced. This is also editable. When right clicking on a certain room, the following drop down menu pops up:

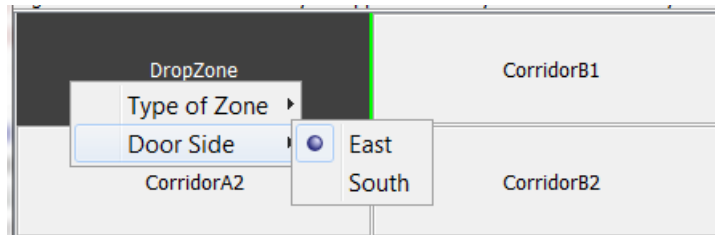


Figure 5: the drop down menu generated when a room is right clicked

This drop down menu lists the directions the door can face while still being accessible. In this case, as it is the top left zone, only doors facing east or south are possible.

## Sequence

Under the zones of the map editor is a white rectangle that contains the sequence for that map. This same rectangle is also present in the rooms that aren't drop zones. The rectangles are given here:



Figure 6: The rectangle at the bottom of both the map editor and the rooms.

The rectangle in the rooms can be used to enter colors, which are then used in the blocks that are placed in that room. The rectangle under the zones can be used to enter the colors that make up the sequence that has to be completed for that map. To add colors, the color palette is useful.

## Color palette

At the bottom of the map editor is the color palette. A larger picture is given in figure 7:



Figure 7: the color palette at the bottom of the map editor

The color palette is used for adding blocks to rooms and the sequence to be completed in the map. When clicking on the box containing either the sequence of the map or the blocks in the room, the color palette is shown. It allows for the adding of colors by clicking on the respective colors on the palette, but colors can also be added by entering the respective numbers in the colors (pressing 1 adds a red block to the room or sequence, for example) and also by entering the first letter of the color (so pressing R adds a red block).

## File menu

The file menu contains not only the standard operations for exporting a created map to a file, so that it can be used later, but also a few other options. The drop down menu is as follows:

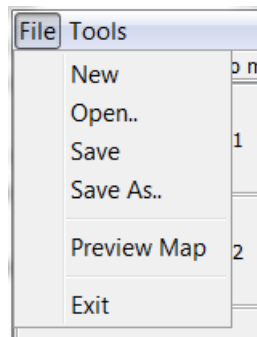


Figure 8: the drop down menu created when the 'File' button is clicked

The New-, Open...-, Save- and Save as...-options are the standard file operations and need no further explanation. However, as added functionality to the options, it is impossible to save a map not containing either a start- or drop zone, as well as a map not containing a block in its sequence, and saving an unsolvable map will give a warning describing what's wrong. The Exit-option also needs no further explanation. The Preview-option gives a preview of the created map.