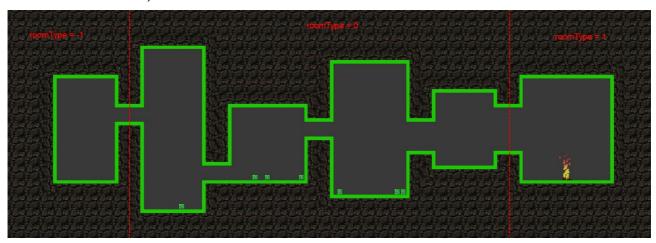
2D Simple Cave Generator

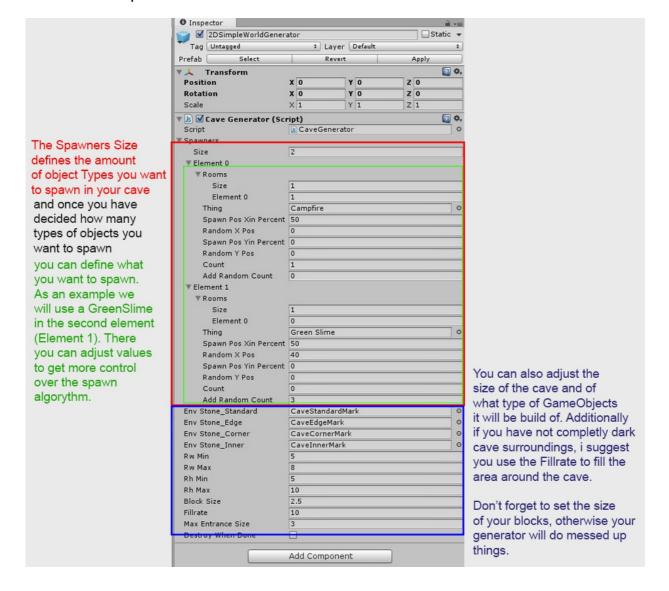
Basic Information:

This Cave Generator is made for 2D Games. Its a Script attached to an Empty. The Cave is being build in rooms. There are three Types of Rooms which are defined by an Integer. -1 is the First Room; 0 all the Rooms in the middle and 1 is the last room.



How to use:

- 1. You can either drag the prefab "2DSimpleWorldGenrator" into the position where your first room is going to start, or create a new GameObject which holds the script "CaveGenerator" in it.
- 2. Adjust the Values you need. In this example we have the Basic CaveGenerator with its possible values.



I will now explain the different meanings behind the variables you can adjust.

- Spawners(Size): Determines the different types of things you want to spawn and allows you to spawn different things with different algorythms
 - Rooms asks for a count of the roomtypes used and then you have to type in the value of each roomtype in which the object will spawn. -1 = first room;
 0 = all rooms between the first and the last;
 1 = the last room.
 - Thing asks for a GameObject which will be spawned. I suggest you use a prefab.
 - Spawn Pos X in Percent is the place in the room on the X axis (in percent) where the "Thing" is going to spawn. This can be randomized through Random X Pos which is going to set the position of the spawn +- the value you type in(in percent). Don't set the value higher then the Spawn Pos.
 - Spawn Pos Y in Percent is the same as Spawn Pos X in percent only for the Y Axis.
 - Count defines the Amount of "Things" which will be spawned in the room.
 This can be randomized through Add Random Count which will be added to the Count.
- Env Stone_Standard is the Prefab for the wall, ceiling and the floor of the cave. It should have a collision box applied if you don't want your Player to fall through the floor.
- Env Stone_Edge is a convex type of corner. Needs collision.
- Env Stone_Corner is a concave type of corner. Collision is not nacissary.
- Env Stone_Inner is the prefab which will be used to fill the area around the cave. Doesn't needs collision.
- RC min is the minimum amount of rooms. (not shown on Picture)
- RC max is the maximum amount of rooms. (not shown on Picture)
- Rw min (Room width minium) is the minium length of the room.
- Rw max (Room width maximum) is the maximum length of the room.
- Rh min (Room height minium) is the minium height of the room.
- Rh max (Room height maximum) is the maximum height of the room.
- Block Size is the size of your Env Blocks used to build the cave. If this value is not set right your cave will have a lot of holes.
- Fillrate is the thickness of Env Cave_Inner blocks around the cave.
 Use it if your background doesn't match the colour of the lower End of your other Env Blocks.
- Max Entrance Size is the maximum height of the connection between the rooms.
- Destroy when Done will destroy the World Generator after it has been created.
- 3. Run your game and the CaveGenerator will generate the cave depending your input values. Have fun!

If you want to report any Bugs or have any questions, send me a message to grasbock@gmail.com!