

Release Plan

Product name: Walls and Holes

Team name: 3D Map Tool Team

[Planned] Release Date: 3/9/18

Version 0.1, revised 1/18/18

High Level Goals: Be able to block out a 2D map with a tile grid, and automatically have it converted into a usable 3D map. The 3D map to be generated will be viewable in an in app view. Be able to create (or import) custom materials, and have them applied to prespecified tiles. Have access to intuitive tools to assist in the creation and editing of a map.

User Stories for Release:

- Sprint 1:
 - 13 - As a level designer, I want to be able to assign cells of a grid to different tile presets
 - 13 - As a map maker, I want to be able to turn the 2D tile map into a 3D map
 - 3 - As a 3D modeler, I want the program to export the terrain mesh to file formats that can be read by standard 3D modeling programs so that I can refine them with my own tools
 - 8 - As a level designer, I want to see the 3D view of the map that I am making so that I don't have to export it to visualize it
- Sprint 2:
 - 3 - As a user I should not have to specify anything extra for the map to blend tiles together properly
 - 5 - As a user, I should be able to save and load a tile map
 - 5 - As a level designer, I want to be able to create custom tile presets
 - 8 - As a level designer, I want to be able to use a variety of tools to be able to more quickly edit a map
 - 5 - As a level designer, I want to be able to use intuitive selection abilities
 - 5 - As a level designer, I should be able to define custom materials
 - 3 - As an artist, I should be able to import materials
 - 2 - As a user, I want the program to export tile definition files and map files separately
- Sprint 3:
 - 3 - As a user, I want to be able to use several different tile definition sheets with a single map
 - 2 - As a 3D modeler, I don't want there to be any redundancies in the mesh
 - 5 - As a level designer, I should be able to assign a default material for each of the several sides of a tile type
 - 8 - As a level designer, I should be able to change the thickness / height of a tile.
 - 1 - As a game designer i should be able to set the scale of the map output

- 8 - As a 3D modeler, I should be able to subdivide the output mesh in any way along grid edges so that I can split a large level into several parts
- 5 - As a level designer, I should be able to change the position of the tile's model inside the tile's grid location

Product Backlog:

- 5 - As a level designer, I should be able to modify the properties of a particular tile, and I should be able to modify its sides separately
- 3 - As a level designer, I should be able to assign a default material for all tiles matching a set of tags / types
- 8 - As a level designer, I want to be able to mark up my maps with arbitrary details so that I can fully describe the layout of the terrain to the 3D modelers

Project Presentation: (Draft in Docs folder)