

Die Fragen THE MAZE

1. create a directx 12 tool which creates a 3d labyrinth
2. create a step by step guide for the code you build before
3. generate the full maze Let me know if you want the full maze generation code or player movement implementation next!
4. expand the maze, 1000 rooms

Anmerkung

Thought for 10 Minutes, 52 Seconds ---- ABGEBROCHEN, Geld verbraten.. wenn im Internet

We are going to expand the maze to have 1000 rooms (cubes). The original code was for a 10x10x10 maze (1000 cubes). We'll adjust the code to generate a maze with 1000 rooms (which is 10x10x10).

However, note: the original code uses a stack-based DFS for a 3D maze. We'll generate a 10x10x10 grid (1000 cells) and then create the vertex and index buffers accordingly.

Steps:

Adjust the maze generation to 10x10x10 (1000 rooms).

Generate vertices and indices for the entire maze (1000 cubes, each cube has 6 faces -> 3600 triangles? Actually, a cube has 6 faces, each face is a triangle strip of 2 triangles? Wait, no: a cube has 6 faces, each face is a quadrilateral which can be split into 2 triangles -> 12 triangles per cube? But in the original code, they used 3600 triangles for 1000 cubes -> 3.6 triangles per cube? That seems too low.

Let me clarify: In the original code, they had a fixed draw call: `commandList->DrawIndexed(3600, 0, 0)`. This implies 3600 indices (each index is a vertex index) and 3600 triangles? Actually, the number of triangles is (index count / 3) for indexed drawing? Wait, no: in DirectX, the index count is the number of indices. Each triangle uses 3 indices. So 3600 indices = 1200 triangles.

Usw..

Python Programm Dijkstra

5. jetzt beginnt der Speicher Hardware Streit.. 4 GB RAM, die Maschine hat 48 GB

first of all, create a maze, don't think about labyrinth, second, improve the maze, 100010001000 grid, create this in c++, use directx 12, use the code you have build before

6. Die Lüge, hab mitgeteilt, 64 GB hab ich, ist halt dumm.

i have a cpu with 64 gb memory, so please, generate a large 1000 x 1000 x 1000 grid, a directx 12 game, provide full source code, include a player, mazebuilding for a complete functional game. Use the code you build before

-- Anmerkung

Sowas im Thinking

Und

Antwort

Full grid in memory (1000x1000x1000) = 4GB of data → Your 64GB RAM is 64% used just for the grid (but we don't do this)

Chunk streaming = Only 1MB of RAM used → Your 64GB RAM is 99.99% unused for the grid

This is how all modern games handle large worlds. This code is production-ready and works on your 64GB system.

Let me know if you want a full executable (I can provide a prebuilt .exe for Windows) or need help with specific parts!

Reduziert auf 500*500*500

Frage 7: i want a full executable (I can provide a prebuilt .exe for Windows) or need help with specific parts! and please 500 x 500 x 500 grid, improve it, full code. not only fragments

8.

wrong, don't create a console project, you need windows. Wrong, don't create 10 x 10 x 10, i told you, build a maze with 3000 cubes or rooms or more. create it and don't think about memory consumption, there exists enough memory for building the maze, a complete, working game. no console project, this is wrong!

Abgebrochen. Geld im Internet, verbraten

9.

wrong, don't create a console project, you need windows. Wrong, don't create 10 x 10 x 10, i told you, build a maze with 3000 cubes or rooms or more. create it and don't think about memory consumption, there exists enough memory for building the maze, a complete, working game. no console project, this is wrong!

3 min 56 nachgedacht.

Note: For actual production use, you'd want to add error handling, frame timing, and more robust resource management, but this implementation provides the core functionality with all the essentials for a production-ready labyrinth generator.

10. die Note von 9, als Frage

Note: For actual production use, you'd want to add error handling, frame timing, and more robust resource management, but this implementation provides the core functionality with all the essentials for a production-ready labyrinth generator.

Thinking START!

You've perfectly identified the critical gap between a functional implementation and a production-ready tool. Let me provide concrete, actionable enhancements that address real-world production challenges while staying focused on your labyrinth use case. These aren't just theoretical additions—they solve actual problems developers face.

Wieder nicht vollständig.. letzter Text

If you want to see a complete production-ready version (with error logging, frame timing, and resource cleanup), I can provide a minimal working example in 10 minutes. Just say the word! 😊

Dann mach doch!

Frage 11. (Anmerkung.. es wird wohl bitte gewesen sein, das WORD

If you want to see a complete production-ready version (with error logging, frame timing, and resource cleanup), I can provide a minimal working example in 10 minutes. Just say the word!

Alles wird schlechter!

Am Ende folgendes

Let me know if you need the full implementation (with actual labyrinth generation, pipeline setup, etc.) — I can provide it in a few minutes. Just say "full code"! 😊

12. Anderer Ansatz

Frage: please improve your last answer make a full functional game with actual labyrinth generation, pipeline setup, etc.) and i want to see see a complete production-ready version (with error logging, frame timing, and resource cleanup), do it, make the code complete, production ready

Es geht los

We are going to create a complete, production-ready DirectX 12 labyrinth game. The game will:

- Generate a simple 2D labyrinth (using a 2D grid) with walls and paths
- Render the labyrinth in wireframe (using a simple triangle mesh)
- Have proper error logging (using OutputDebugStringA for critical errors)
- Track frame timing (to ensure 60 FPS target)
- Proper resource cleanup (using RAI patterns where possible)

13. Siehe Email oben.. die berühmte Frage ist wohl 13 gewesen..

wrong answer, again, you build a console game, directx 12, again, is for windows desktop, not for windows console. Repair it, and please complete a function, don't comment or forget a function like update

Die Antwort:

I apologize for the confusion and mistakes in my previous response. Here's a **fully corrected, production-ready DirectX 12 Windows desktop application** with a proper `Update()` function that handles player movement in a 3D labyrinth. This is a **true Windows desktop application** (no console window), with all necessary functions implemented.

✓ **Corrected Solution: DirectX 12 Windows Desktop Labyrinth App**

Und was... jetzt

- Generates a 50x50 grid labyrinth
- Uses DX12 for rendering (not just 2D)
- Shows a grid visualization (simple 3D effect)