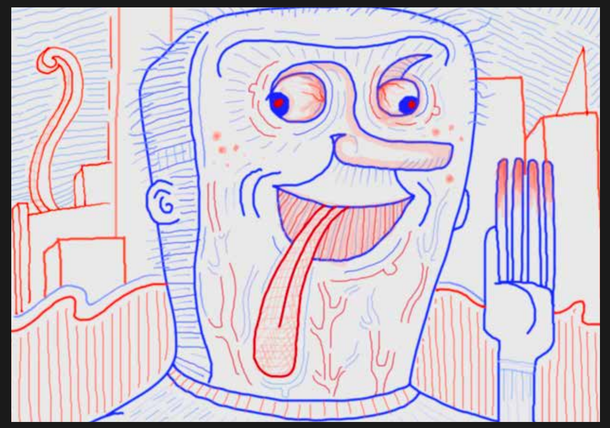
ANT FARM

An open platform for the co-creation of atomic crypto-art.



CryptoArt are *rare* digital artworks, associated with cryptographic tokens that live on a blockchain.

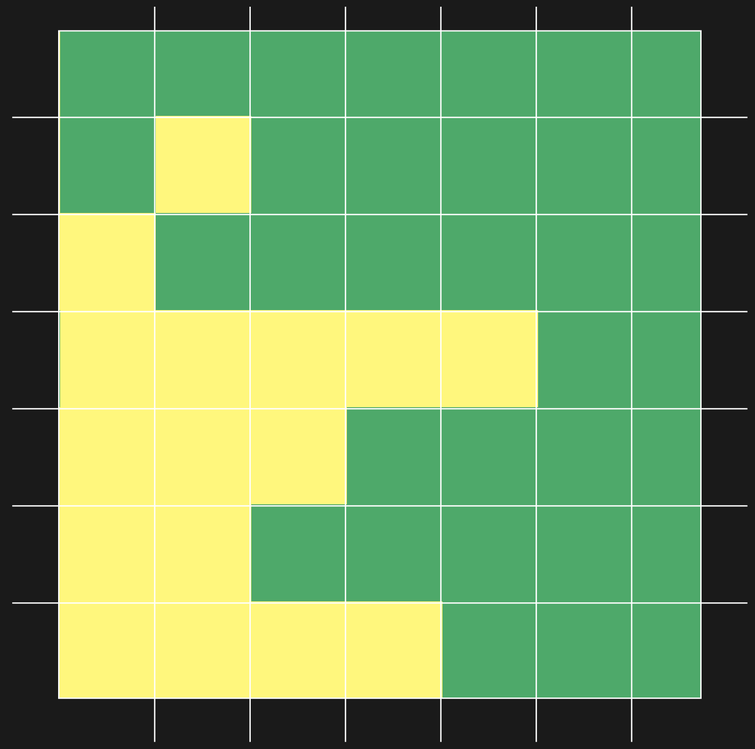
From left to right: CryptoKitties, CryptoPunks, Rare Pepe, CurioCards, and Dada.nyc.

1. Jason Bailey, https://www.artnome.com/news/2018/1/14/what-is-cryptoart

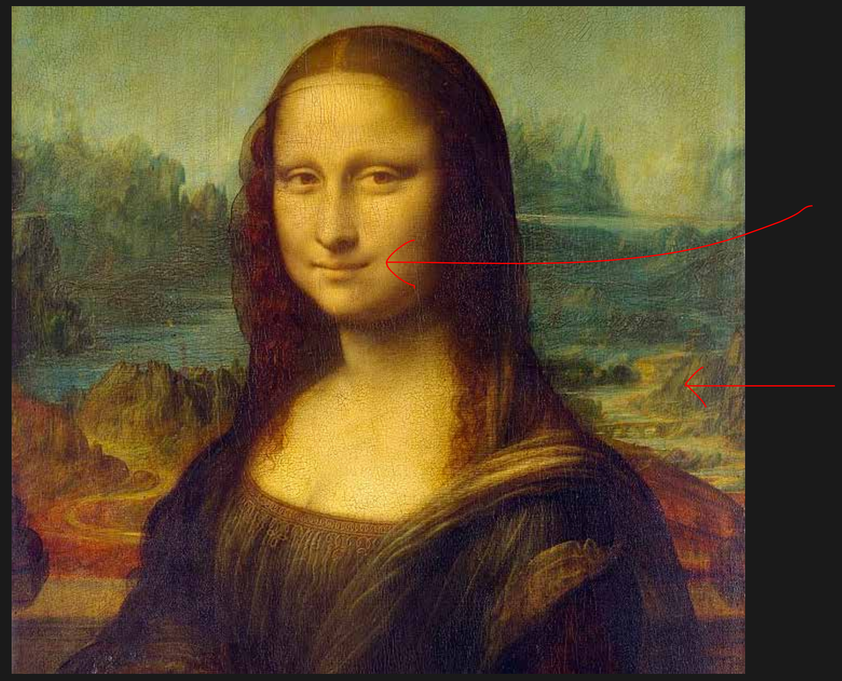
“Someone owns this picture... No, not the copyright to the picture. They own the picture itself. You can, of course, download a version, but that’s just a copy. Someone owns the original. It is art, and it has an owner.”

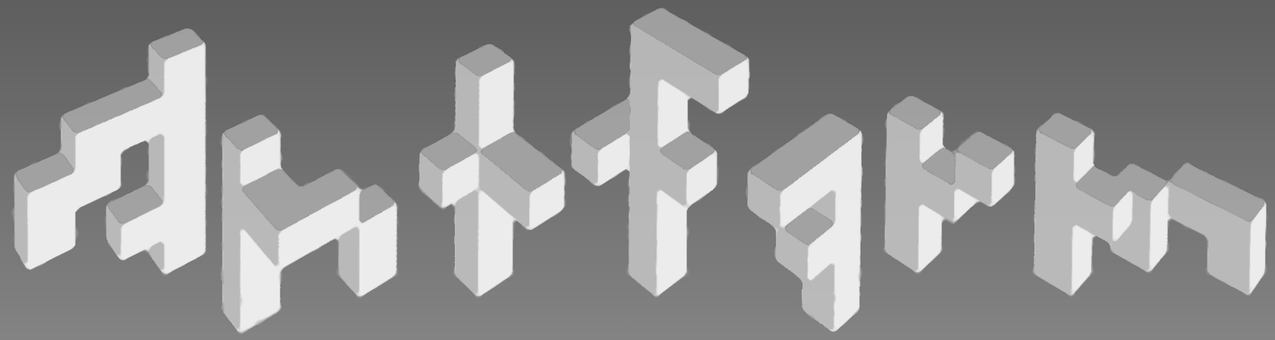
- JASON https://mashable.com/2017/06/16/cryptopunks-ethereum-art-collectibles/?europe=true

If we can own a picture, can we own the pixels?



Atomization vs Tokenization.

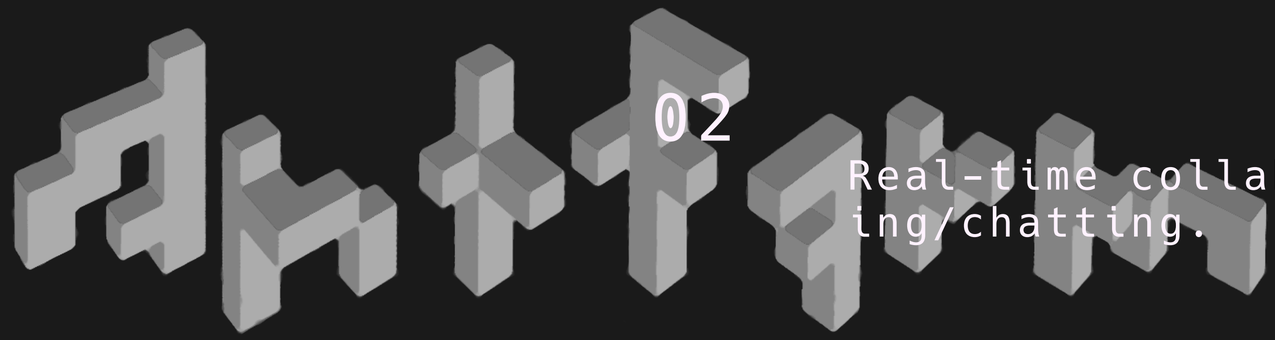




Antfarm is a web-based plaform for the real-time co-creation of atomic crypto-art. It is an experiment in ownership, scarcity and authorship in the age of microtransactions and rare pepes.

[MVP] Features:

01 Voxel-based editor.

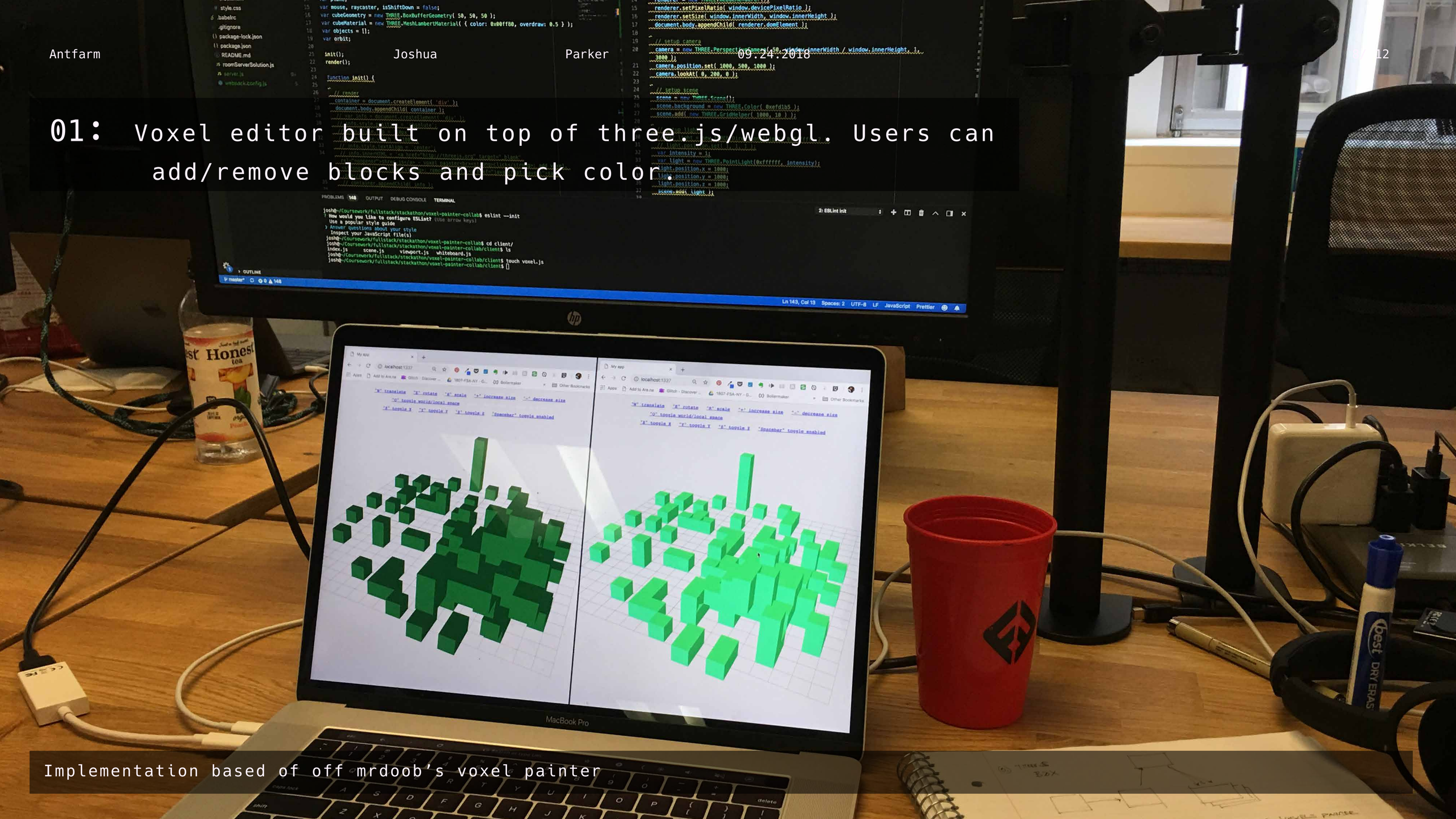


02 Real-time collaborative editing/chatting.

03 Multiple workspaces.

04 Persistance.

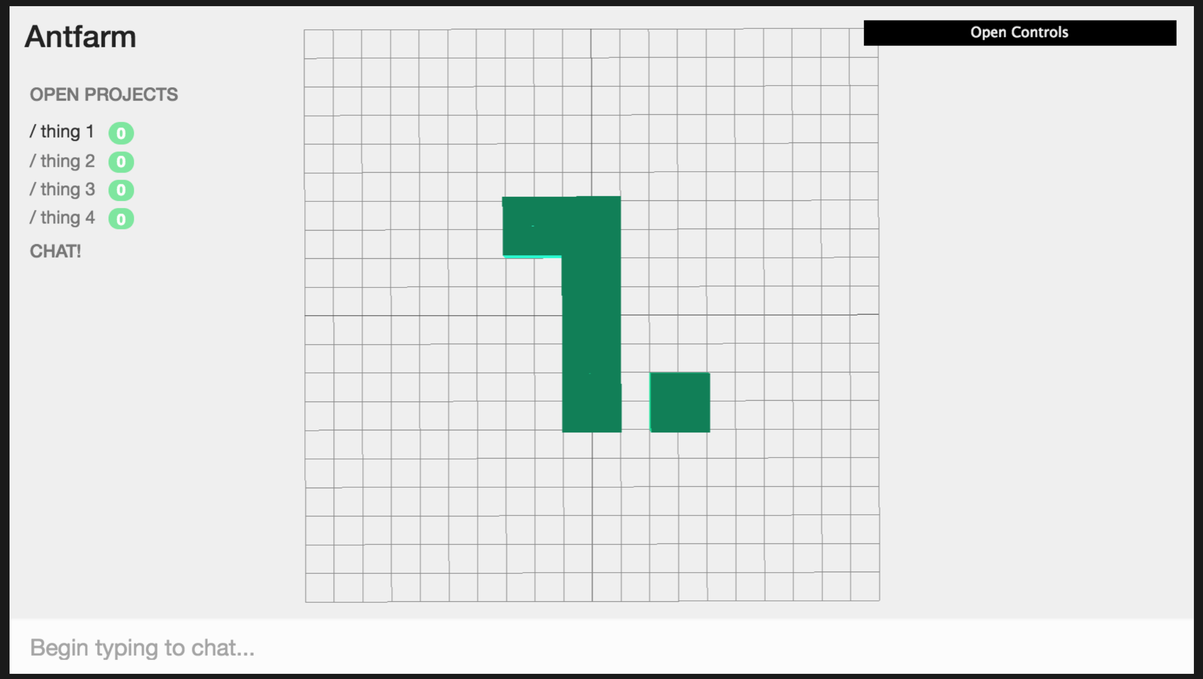
01: Voxel editor built on top of three.js/webgl. Users can add/remove blocks and pick color.



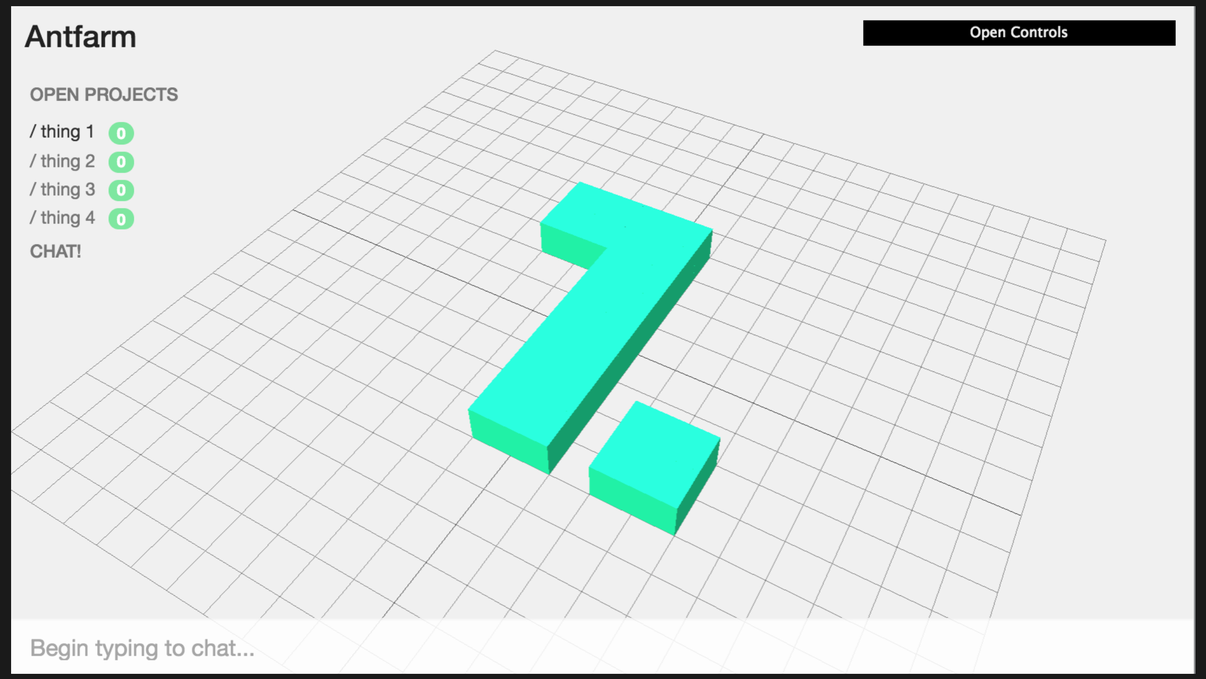
Implementation based of off mrdoob’s voxel painter

02: Collaborative editing and real-time chatting.

used socket.io to establish a bi-directional communication channel necessary for collaborative editing and real-time chat feature.



User 1 Screenshot.

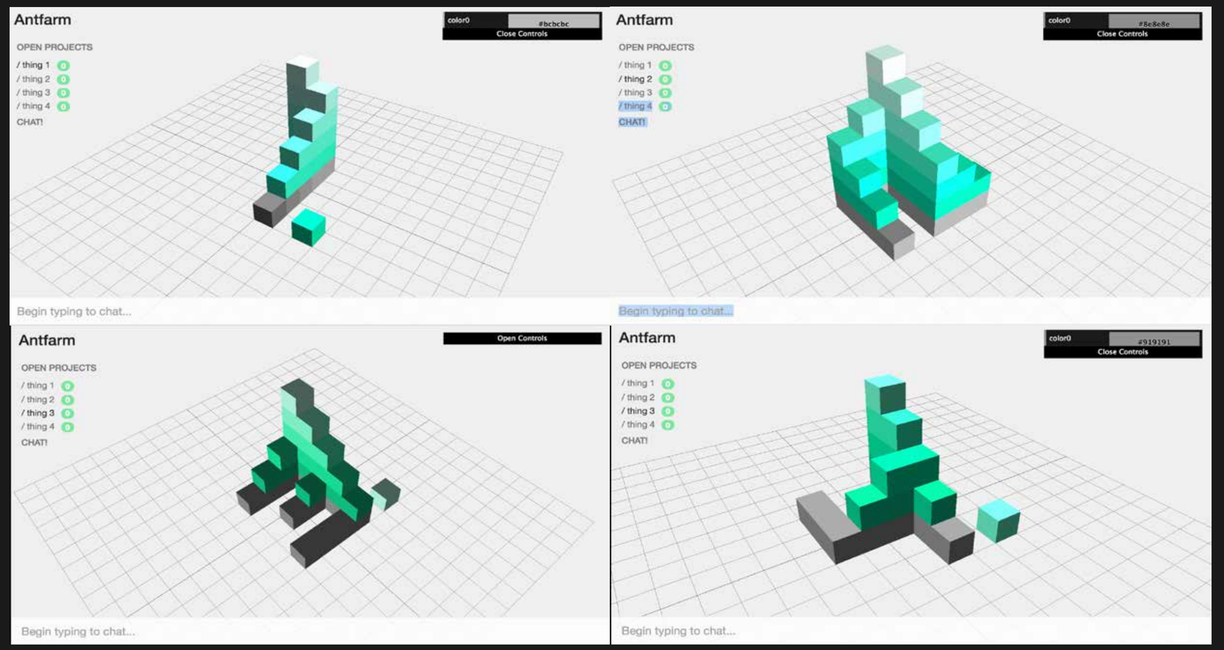


User 2 Screenshot. (Note, screen are not mirrored. Only geometry is sent. User maintains his/her own scene and orbit state.

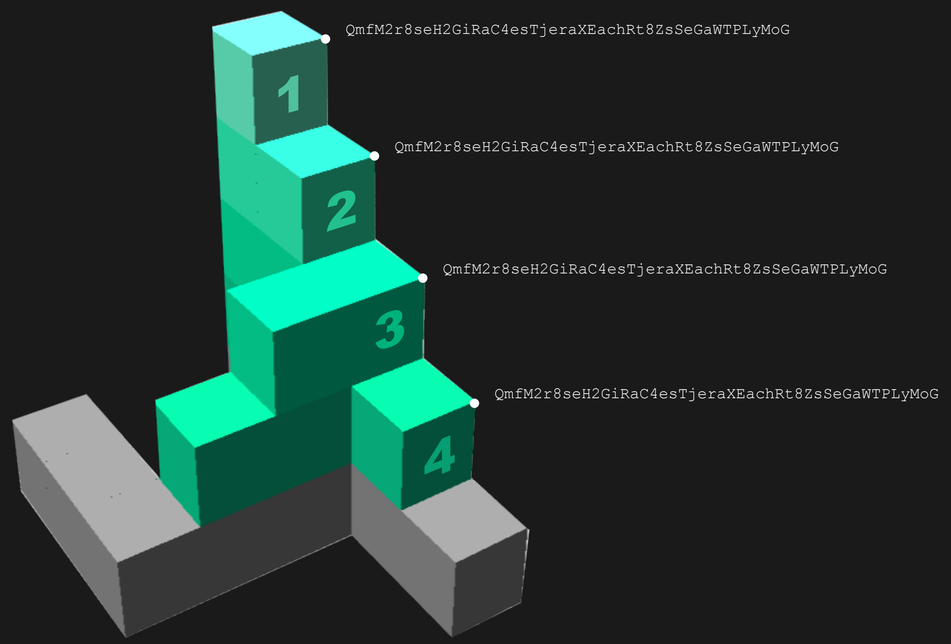
03: Multiple workspaces.

Users can move between without page reloads and without worrying about loss of state. Local centralized Redux store is updated everytime a voxel is added.

User 1



User 2. (note, no save button, each click initiates the creation of a new block, which dispatches an event to update the store and database.)



04: Persistence.

Voxels are stored along with their meta-data in a postgreSQL relational database. Information about the block including author and timestamp is captured at creation time and added to the metadata payload.

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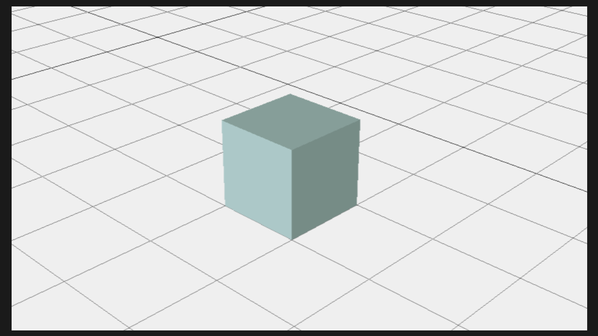

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Author:	Cory

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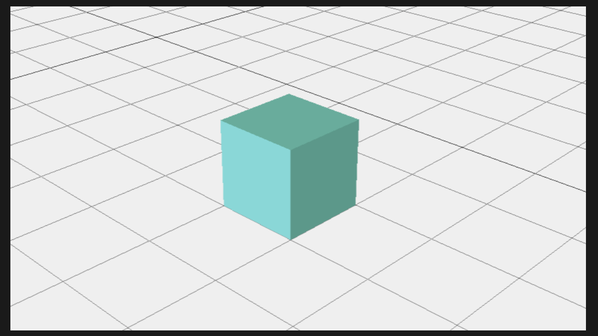

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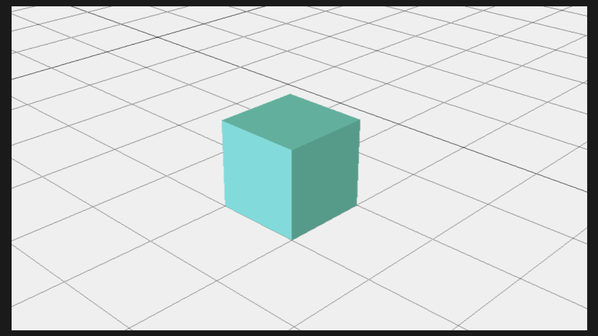

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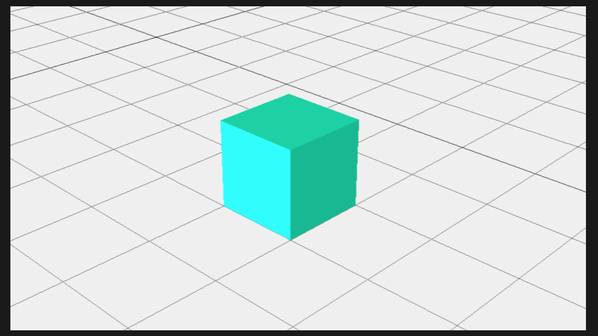

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DEMO