



SmartSeal

Digital Identity for Physical Assets

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Project Scope, Purpose, and Objectives

- 40 bottles of Swarovski Surrealist and 60 Bottles of Surrealist
- NFT development and minting on ETH blockchain
- Unlockable content post-sale (opening SmartSeal)
- Redeemable perks + animated artwork

Technology Infrastructure

JCB requires a smart contract for the Ethereum blockchain and 100 NFTs minted.

JCB required 100 tamper-evident NFC tags to be programmed and linked to these NFTS

JCB requires an NFT redemption solution through the NFC tags

Requirements

Tag requirements

Tag material and size: NXP 424 DNA TT Tags, type 2 -or- NXP 424 DNA standard tags

Embedding requirements: Tags shall be embedded either on neck/seal of bottle or beneath the bottle (JCB to decide)

Tamper type and functions: Tamper loop closed scans will provide authentication, NFT viewing, traceability, and ownership information. Tamper loop open will include all of the previous plus allowing the NFT to be redeemed through a custodial wallet link.

Tag URL: JCB website <TBD>

Software requirements

Data collection: IP address, useragent, time/date of scan, tag ID, NFT owner address

Geolocation: Off

Integrations and APIs: No API integration necessary- white label authentication modal

NFT redemption: Yes- NFT shall be redeemed through tag tamper or QR code

Other requirements

Shipping and packaging, third-party integrations, user instructions, etc... <TBD>

Deliverables

Software Deliverables

- SmartSeal shall deliver authentication code to be inserted into JCB website (approx 4 lines of HTML calling script hosted on SmartSeal server)
- SmartSeal shall deliver NFT redemption code to be inserted in JCB website (approx 12 lines of HTML calling script hosted on SmartSeal server)

- SmartSeal shall deploy and Ethereum ERC721 smart contract and mint 100 NFTs

Hardware Deliverables

- 100 NFC Tags, programmed.

Other Deliverables

- SmartSeal shall deliver a list of redemption wallets and keys used to mint the NFTs
- Codes necessary for redemption

Project Timeline and Dependencies

What date is this to launch/start? <TBD>

What is the target completion date? <TBD>

Critical Milestones:

- JCB Website drop-in code integration
- NFT contract deployment
- NFT minting
- NFC programming

Project Management Link

Link to Gannt chart/Jira <TBD>

Support

SmartSeal will provide 2 hours/month of support for 3 months beyond what is necessary to meet deliverables. Beyond this, support will be billed at \$150/hr.

Success criteria

JCB to provide

Project Cost and Breakdown

Onboarding and Server Setup: \$800

Contract deployment and minting: \$1200

Tags cost: \$2.50/tag x 100 tags

Included in cost:

- Programming, uploading, and linking
- Mechanical stress test

- Inlay QA check
- Low power read test
- Security check
- Verification and integration test

Total: \$4,200 plus network fees for contract deployment, NFT minting, redemption transaction fees, and shipping.

Payments

50% of payment is due upon start of project

50% payment is due upon delivery of tags