

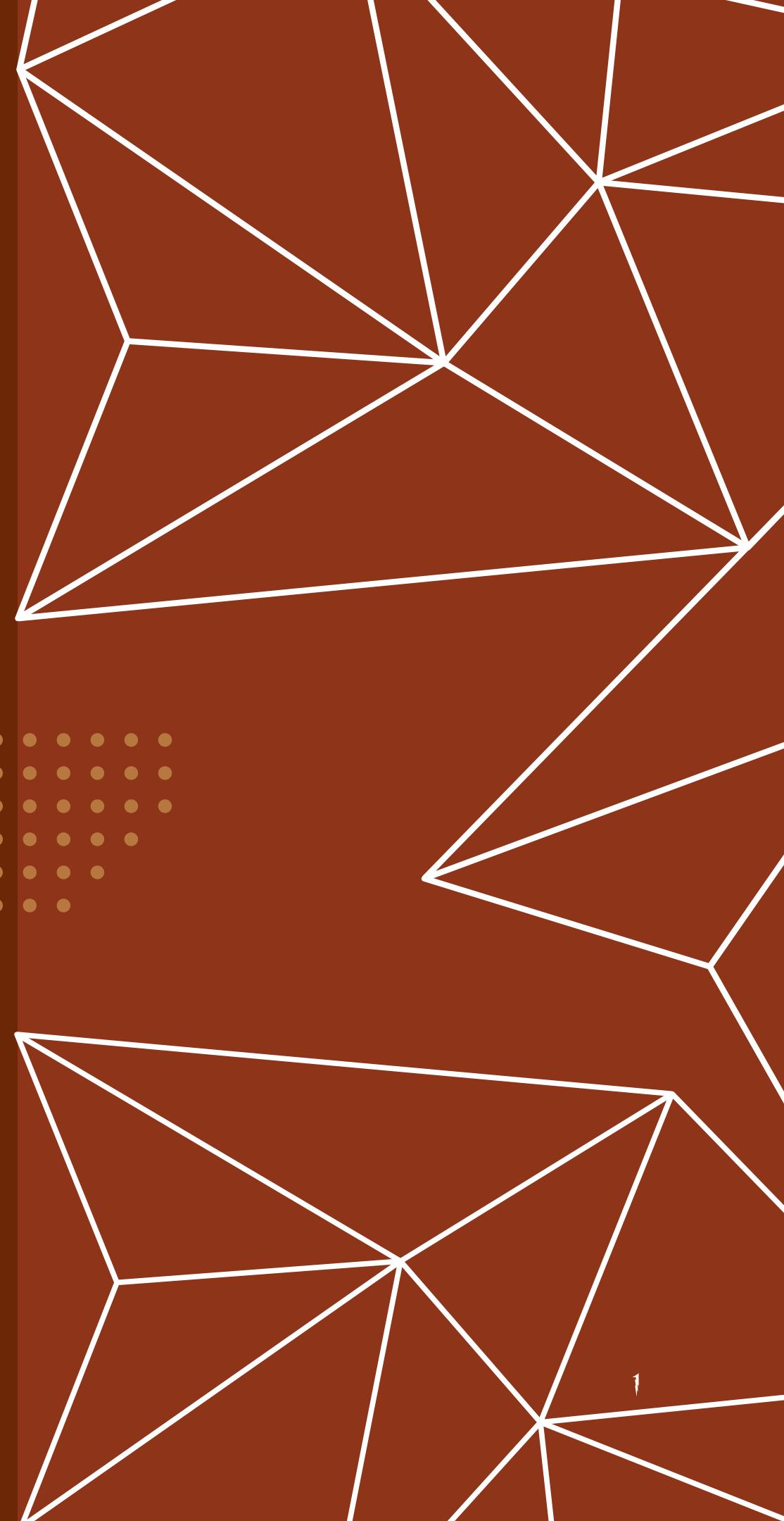
E-BHUTAN HACKATHON: DRAPER STARTUP HOUSE

e-BHUTAN

Authentically Bhutanese, Digitally Sovereign

TEAM

Merci



E-Bhutan Digital Citizen Onboarding: Your Verifiable Identity NFT

Secure Onboarding & Identity Verification

- **User Application & KYC:** Submit documents via portal.
- **IDV Validation:** Third-party verifies identity.
- **Backend Callback:** Secure results to e-Bhutan.

Digital Identity Foundation & NFT Preparation

- **Unique ID & Off-Chain Data:** Generate ID, secure non-PII data
- **NFT Metadata Creation:** Prepare ERC-721 compliant data.
- **Decentralized Storage:** Upload metadata to IPFS

NFT Minting & Digital Credential Issuance

- **Smart Contract Call:** Backend initiates NFT mint
- **On-Chain Minting:** E-Citizenship NFT to your wallet.
- **Confirmation & Access:** Get notified, use your digital credential.



E-Bhutan Business Registration

Access & Define

- **Secure Portal Entry:** e-Citizenship NFT for login.
- **Business Details:** Name, type, wallet, co-founders.

Approve & Pay

- **Backend Initiates:** Transaction to Smart Contract. Digital Terms: Sign laws with NFT.
- **Crypto Fee:** Pay, platform fee auto-deducted.
- **Backend Initiates:** Transaction to Smart Contract.

Mint & Confirm

- **Business NFT Issued:** Minted to business wallet.
- **Official Proof:** Immutable record of registration.
- **Instant Notification:** Manage your new digital business.



E-Bhutan Marketplace: Connect & Transact

Product Listing

- **Access & Authenticate:** Connect wallet, verify e-Citizenship.
- **Define Product:** Name, price, quantity, delivery type.
- **Upload Assets to IPFS:** Images & files securely stored.
- **NFT Metadata Prep:** Backend compiles product NFT details.
- **Create On-Chain Listing:** Smart Contract registers product.
- **Listing Published:** Product live on marketplace.

Product Purchase

- **Browse & Authenticate:** Explore, connect e-Citizenship wallet.
- **View Details:** Access product info from on-chain & IPFS.
- **Initiate Purchase:** Confirm order, proceed to payment.
- **Escrow Payment:** Funds secured in Smart Contract.
- **Seller Delivers:** Seller confirms shipment/delivery.
- **Buyer Confirms:** Buyer approves receipt.
- **Funds Released:** Escrow pays seller
- **Transaction Complete:** Both notified.



E-Bhutan Cultural Rewards

Engage & Earn Cultural Points

- **Purpose:** Actively preserve e-Bhutanese culture & heritage.
- **Activities:** Earn points by:
 - Participating in cultural quizzes.
 - Completing learning courses.
 - Contributing to the cultural community.

Tier System & Progression

- Dragon Egg
- Young Egg
- Mountain Egg
- Thunder Dragon
- Celestial Dragon

Unlock Exclusive Benefits

Tier-based advantages:

- Progressive Marketplace Discounts



Thank You!

