# Realm 6: The Ubuntu Village — Asha and the Whisper of Coins

### **Overview**

In this realm, learners will explore the practical applications of Bitcoin across Africa, focusing on inspiring stories of individuals and communities using Bitcoin to enhance their lives. The content will be accessible and relatable, emphasizing the spirit of Ubuntu—community, co-creation, and empowerment.



### 6.1 Real Use Cases in Africa — Everyday Bitcoiners

#### Content:

Bitcoin is transforming lives across Africa. This mission shares inspiring stories from various countries, highlighting how people use Bitcoin in their daily lives:

- Remittances: In Nigeria, families send money home quickly and cheaply using Bitcoin, avoiding high fees from traditional services.
- Business Payments: In Kenya, small businesses accept Bitcoin to facilitate payments, making transactions faster and more secure.
- Savings: In Zambia, individuals use Bitcoin as a hedge against inflation, preserving wealth in uncertain economic times.
- Education Funding: In South Africa, community members pool Bitcoin to finance education for local youth, empowering the next generation.
- Farming Co-ops: In rural areas, farmers use Bitcoin to transact and invest in better equipment, creating a more resilient agricultural economy.

#### Challenge:

Journey Journal Game: Asha visits three real Bitcoin users who face challenges. Players help her solve their issues using Bitcoin solutions, such as sending remittances or funding education.

#### **Quiz Questions:**

- 1. How does Bitcoin help with remittances in Nigeria?
- 2. What benefits do small businesses in Kenya gain from accepting Bitcoin?
- 3. In what ways are Zambians using Bitcoin as a savings tool?
- 4. How is Bitcoin being used for education funding in South Africa?

### ✓ 6.2 Sending Value Without Borders — Lightning Network Power

#### Content:

The **Lightning Network** is a layer on top of Bitcoin that allows for fast, cheap transactions across borders.

- Speed and Cost: Transactions are nearly instantaneous and come with minimal fees, making it ideal for everyday use.
- Comparison to Mobile Money: Unlike traditional mobile money systems, the Lightning Network enables borderless transactions, connecting users across different countries seamlessly.

Examples of Lightning Network use:

- Cross-Country Payments: Sending money to friends or family in another African
- Content Creator Tips: Supporting local artists and creators by sending small payments instantly.
- Buying Airtime: Users can purchase mobile airtime using Lightning, making everyday transactions more convenient.

### Challenge:

Lightning Race Game: Players must route a payment across multiple borders faster than traditional banking systems, navigating obstacles to succeed.

#### **Quiz Questions:**

- 1. What is the Lightning Network?
- 2. How does it differ from traditional mobile money?
- 3. Why is Lightning faster and cheaper for transactions?
- 4. Give an example of a cross-country payment using Lightning.
- 5. How can content creators benefit from the Lightning Network?



### 1 6.3 Building With Bitcoin — Builders, Coders, Creators

#### **Content:**

Africa is home to a growing community of innovators and builders who are using Bitcoin to create impactful solutions.

- Podcasts: In Zambia, Bitcoin podcasts educate listeners about cryptocurrency and its benefits.
- **Mining with Hydro**: In Congo, miners harness hydroelectric power to mine Bitcoin sustainably, contributing to local economies.
- **Education Hubs**: Ghana and Nigeria are developing educational centers focused on blockchain technology, fostering the next generation of developers and entrepreneurs.

This mission encourages learners to see themselves as contributors to the Bitcoin ecosystem.

### Challenge:

**Ubuntu Hackathon Game**: Asha assembles a diverse team to brainstorm and build a community Bitcoin solution. Players choose team members with different skills to maximize creativity and impact.

#### **Quiz Questions:**

- 1. What role do Bitcoin podcasts play in Zambia?
- How are miners in Congo using renewable energy?
- 3. What is the importance of education hubs in Ghana and Nigeria?
- 4. How can individuals contribute to the Bitcoin community?
- 5. Why is diversity important in building Bitcoin solutions?

## 6.4 Everyday Bitcoin Tools — Apps and Wallets That Work

#### Content:

This mission highlights practical tools that Africans are using to engage with Bitcoin effectively.

- Wallets:
  - Phoenix: A mobile wallet that supports Lightning transactions.
  - Muun: Offers a user-friendly interface for managing Bitcoin and Lightning.
  - o Wallet of Satoshi: A simple wallet for beginners to use Lightning easily.
  - Bitnob: Allows users to hold and transact in Bitcoin while providing local currency options.
  - Machankura: An SMS-based service for sending Bitcoin without internet access.
- **Key Concepts**: Understanding custodial vs. non-custodial wallets is crucial for securing funds and maintaining control.

#### Challenge:

Toolbox Challenge Game: Players match different real-world scenarios with the most suitable Bitcoin wallet or app, reinforcing knowledge of tools and their uses.

#### **Quiz Questions:**

- 1. What are some examples of Bitcoin wallets used in Africa?
- How do custodial and non-custodial wallets differ?
- 3. What advantages does using a wallet like Machankura offer?
- 4. Why is it important to choose the right wallet for different situations?
- 5. How can wallets enhance Bitcoin's usability in everyday life?



### 🧠 6.5 Knowledge Test — *Africa Rising*

#### Content:

This mission will test learners' understanding of the material covered in previous missions, reinforcing key concepts.

#### Challenge:

Map the Future Challenge: Players plot their own Bitcoin adoption journey across Africa, selecting projects and initiatives they want to join or create, fostering a sense of agency.

#### **Quiz Questions:**

- 1. What are key use cases of Bitcoin in Africa?
- 2. How does the Lightning Network facilitate cross-border payments?
- 3. Name a tool or wallet that supports everyday Bitcoin use.
- 4. How can individuals contribute to the Bitcoin ecosystem?
- 5. What is the essence of Ubuntu in the context of Bitcoin?



### **★** Bonus Mission — The Seed of Tomorrow

#### Content:

Asha aims to plant a "Bitcoin seed" by developing a project idea for her village. Learners can choose from various areas of focus:

- Education: Create workshops to teach Bitcoin basics.
- Farming: Develop a co-op for farmers to transact and invest using Bitcoin.
- Payment Systems: Implement a local Bitcoin payment system for markets.
- Creative Work: Establish a platform for artists to sell their work and receive Bitcoin.

This mission encourages reflection on the spirit of Ubuntu: "I thrive because we build together."

### Challenge:

**Pitch the Project Game**: Players create a one-sentence pitch for their Bitcoin project and assemble a team of diverse individuals with different skill sets to bring their idea to life.

#### **Quiz Questions:**

- 1. What project idea did you choose and why?
- 2. How can education enhance Bitcoin adoption in your community?
- 3. What does Ubuntu mean in the context of collaborative projects?
- 4. What roles could team members play in your Bitcoin project?
- 5. How can your project benefit the larger community?