



Ghana Asaase: Blockchain Land Registry

Revolutionizing Land Ownership in Ghana Through Blockchain Technology

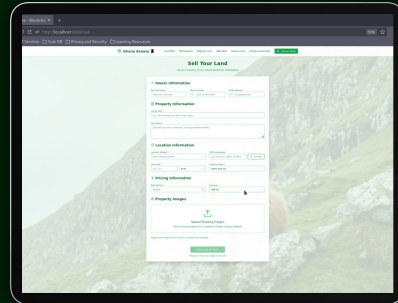
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INTRODUCTION

The project focuses on transforming land ownership in Ghana, ensuring transparency and security through blockchain technology. Land disputes & fraud: 80% of transactions lack documentation. Current registry: inefficient, corrupt, and inaccessible. Importance: Land is vital for Ghana's economy & social stability.

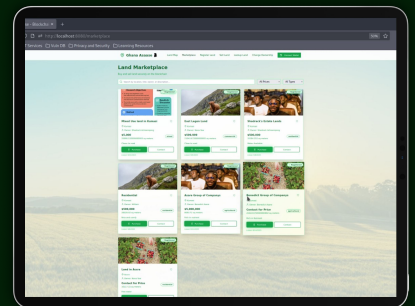
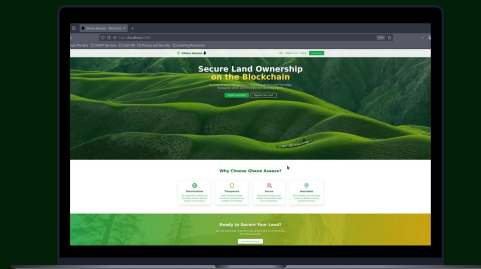


RESULTS

Security: Immutable blockchain prevents land fraud
Transparency: Publicly verifiable land records
Efficiency: Streamlined transfer processes
Innovation: First blockchain land registry in Ghana

OBJECTIVES

Our main goal is to create a blockchain based land registry system using smart contracts to ensure transparent and immutable land ownership records and a digital marketplace for secure land transactions.



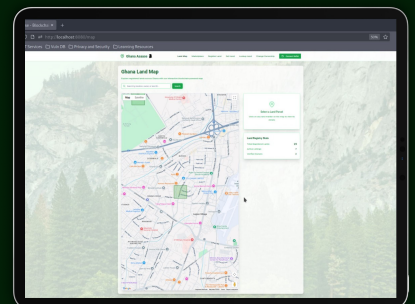
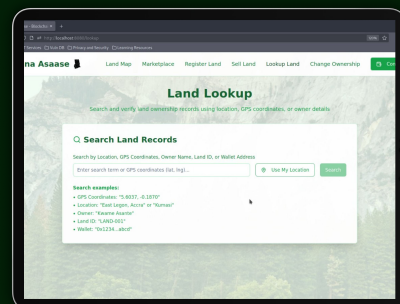
CONCLUSION

Successfully developed a functional blockchain land registry system
Demonstrated feasibility of blockchain technology for land management



METHODOLOGY

Frontend: React with TypeScript, Tailwind CSS for responsive design
Backend: Supabase for database management
Blockchain: Ethereum smart contracts for land tokens
Mapping: Google Maps API for location



RECOMMENDATIONS

Government partnership, mobile app development, integration with existing land agencies
Future Work: Expand to other African countries, add AI-powered fraud detection