

FREELANCE SHIELD

Fortifying Freelancers, Safeguarding Clients

Introduction

FreelanceShield ensures safe and easy collaboration between freelancers and clients worldwide. With smart contracts and secure payments, it's your go-to platform for trustworthy freelance partnerships. Experience a secure freelance journey with FreelanceShield!

Problems

- **Trust and Security Concerns**

Many freelancers face delays and uncertainties in receiving payments, leading to trust issues between parties.

- **Dispute Resolution Inefficiencies**

There is difficulty in handling disputes between the different parties.

- **Lack of Standardization**

absence of standardized contract structures for freelancing

- **Complex Payment Terms**

Project payment terms are often manually negotiated, leading to confusion and disputes.

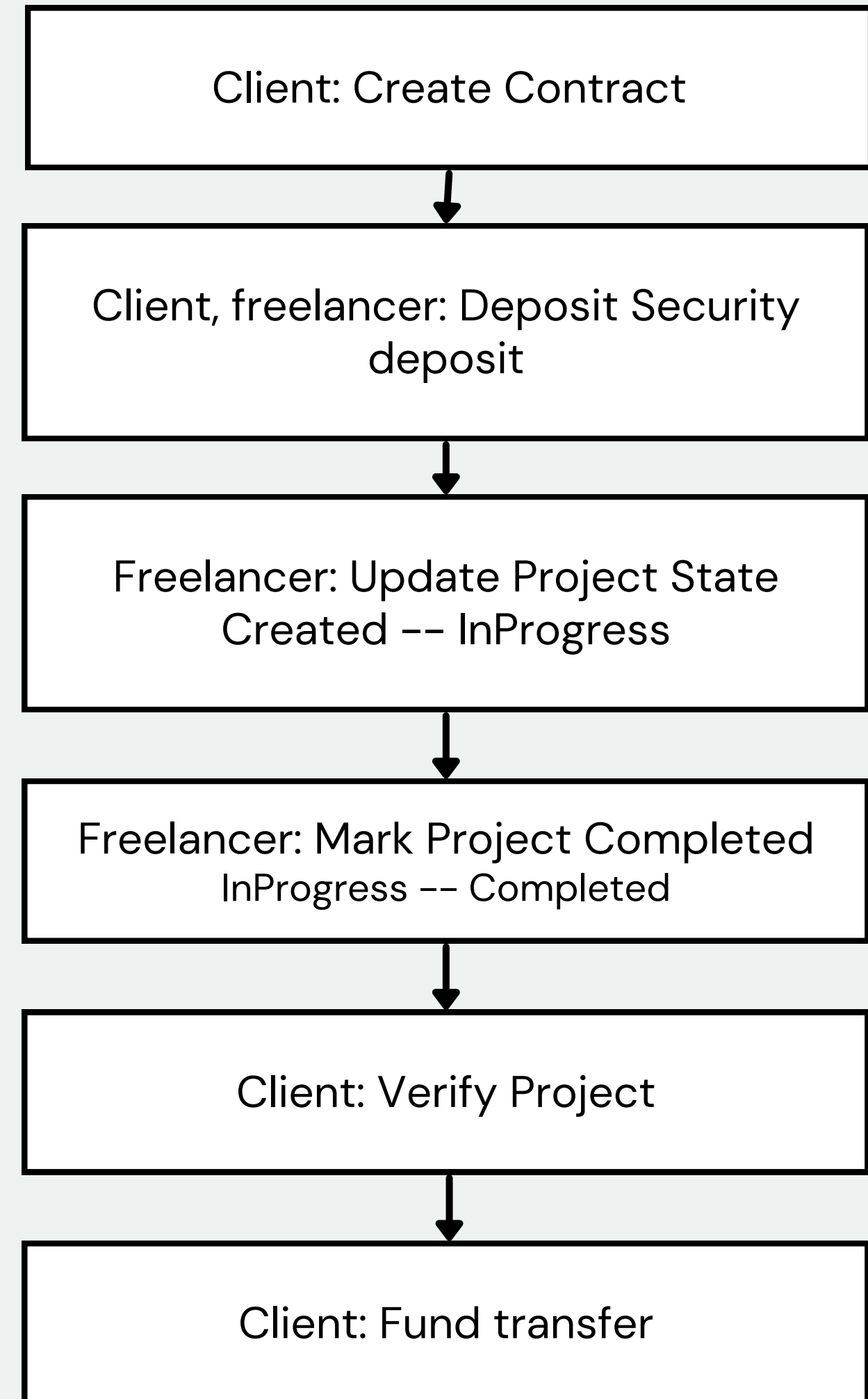
Solution

- A Platform governed by an **escrow-based smart contract**
- Designed to **streamline Freelance Payments**
- **Core idea:** to have the smart contract to take care of the security deposit and prevent the transacting parties from defaulting.
- The platform allows freelancers to define project contracts and payment terms upfront, creating **a user-centric environment**.

Use of blockchain

- Smart Contracts for Automation
- Safer and reliable method
- Decentralization and Trust
- Transparency in the transaction
- Security Deposit Handling
- Efficient Dispute Resolution

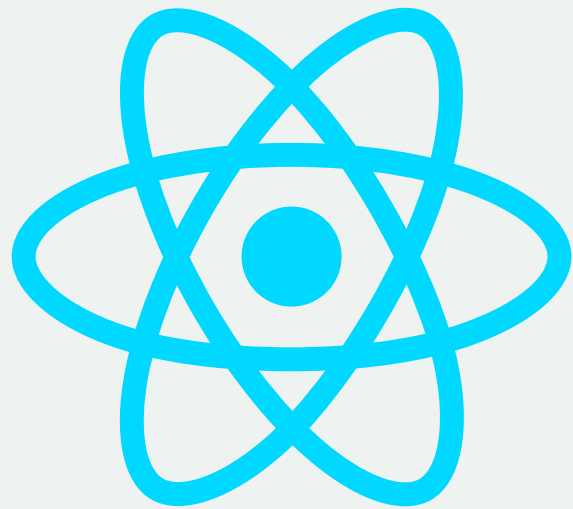
System Flow:



- Clients initiate projects by calling the **createContract** function
- Clients and freelancers **deposit security funds**
- Freelancers can update the project state using the **updateProjectState** function
- Clients verify project completion using the **verifyProject** function
- Clients initiate fund transfers to freelancers using the **transferFund** function
- Security deposits are refunded to clients and freelancers using the **refundSecurityDeposit** function

Demo

Tech Stacks



ReactJS



Tailwind CSS

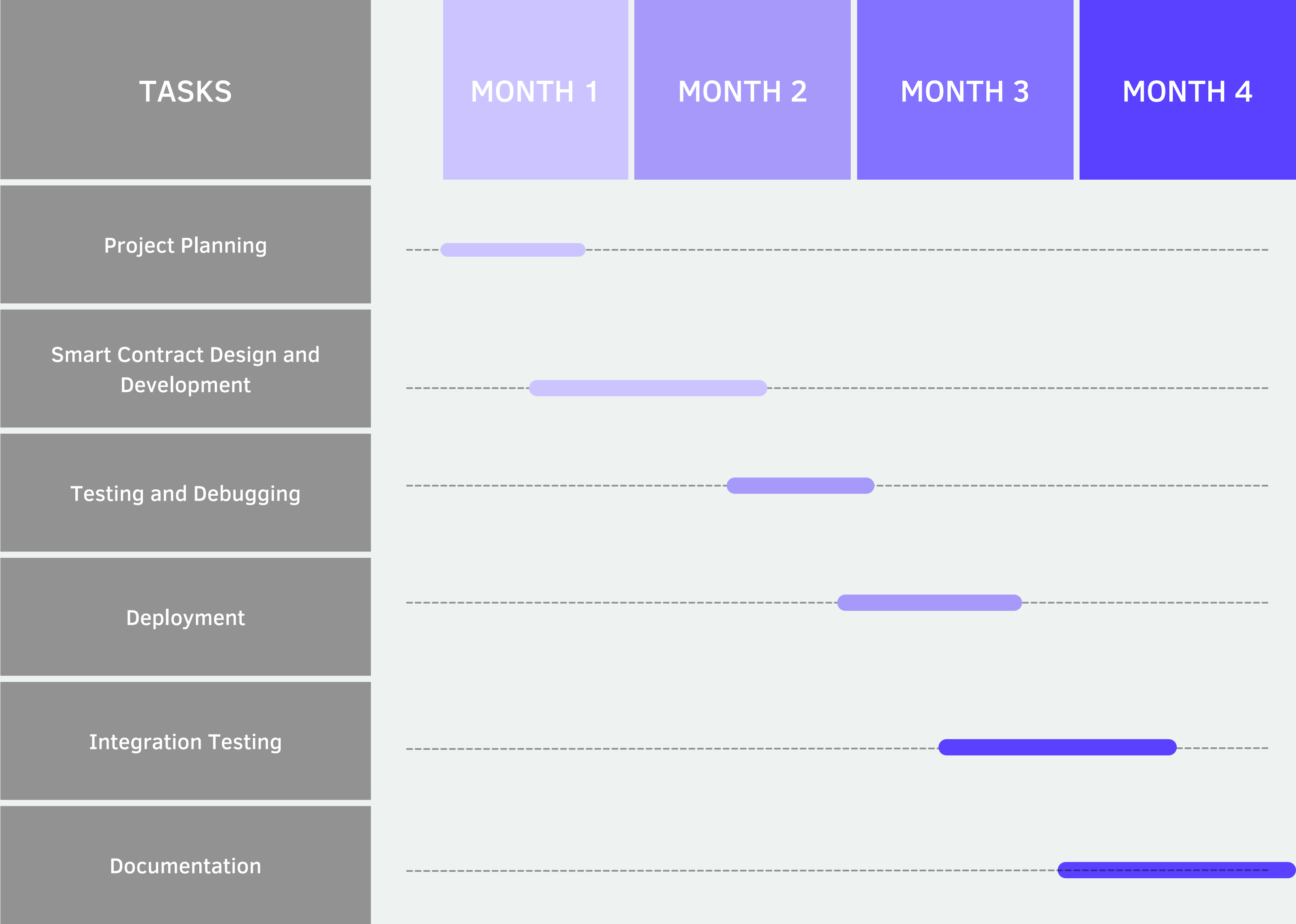


Solidity

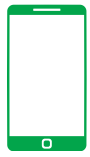


Truffle

Gantt Chart



Future Enhancement



**Mobile Application
Development**



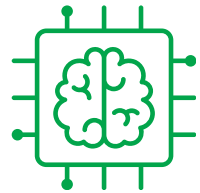
**Integration with
Management Tools**



**Multi-Currency
Support**



**Customizable Smart
Contracts**



AI-Driven Contracts



Good quality website

Problems Encountered

- Smart Contract Logic Complexity
- Transaction Scalability
- Security in Blockchain
- User Experience and Adoption
- Balance of Transparency and Confidentiality

Our Team



Ujjwal Dhakal



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A dark blue, semi-transparent background image showing a business meeting. In the foreground, a person's hands are visible; one hand holds a pen over a document with various charts and graphs, while the other hand rests on the document. The background is slightly blurred, showing other people in business attire. The text 'THANK YOU' is overlaid in the center in a large, bold, sans-serif font.

THANK YOU

Team Kek