Web3Crypto

Overview

Web3Crypto is a decentralized application (dApp) designed for secure cryptocurrency transactions and blockchain interactions. Built with Next.js, Tailwind CSS, and TypeScript, this project integrates Web3 technologies to provide a seamless user experience.

Features

- Web3 authentication

- Secure cryptocurrency transactions

- Smart contract integration

- Responsive UI with Tailwind CSS

- Next.js-based frontend for efficient rendering

Prerequisites

Ensure you have the following installed:

- Node.js (>= 16.x)

- pnpm (>= 8.x)

- Metamask or any Web3 wallet extension

Installation

Clone the Repository

sh

git clone https://github.com/your-repository/web3crypto.git

cd web3crypto

Install Dependencies

Navigate to the client directory and install dependencies:

sh

cd client

pnpm install

Running the Application

Development Mode

To start the development server, run:

sh

```
pnpm dev
```

This will launch the Next.js application at http://localhost:3000/.

Production Mode

To build and serve the project in production mode:

sh

```
pnpm build
pnpm start
```

Configuration

Modify the .env.local file in the client directory to include necessary environment variables such as:

env

```
NEXT_PUBLIC_INFURA_ID=your_infura_project_id
NEXT_PUBLIC_CONTRACT_ADDRESS=your_smart_contract_address
```

Contributing

Feel free to submit issues and pull requests to improve the project.