Ethereum Smart Contract for Peer-to-peer Rental Application

Using Blockchain As The Future Technology for Sharing Economy

1. **Self-Sovereignty**
   No need to rely on centralized party. Users control how their data is shared and used.

2. **Savings**
   - Low transaction cost
   - No commission fee
   - No platform fee
   - No conversion fee

3. **Security**
   Users validate transactions via the consensus protocol then store the data in the immutable and tamper-proof blockchain.

**Application Features**
- Lending and borrowing items between users
- Showing all listing status of a user in a single location
- Rating and feedbacks feature for both lenders and borrowers
- Dispute resolution system by voting with incentives
- QR code for direct sharing of the item information

**Technology:**
- React
- Solidity
- Web3
- IPFS
- Node.js

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