1. **Registered Users:**

npx hardhat run scripts/registerAllUsers.js --network localhost

Copy

Execute

1. **Add comprehensive test data:**

npx hardhat run scripts/addTestData.js --network localhost

Copy

Execute

1. **View all products:**

npx hardhat run scripts/listAllProducts.js --network localhost

Copy

Execute

1. **View products by role/owner:**

npx hardhat run scripts/viewProductsByRole.js --network localhost

Copy

Execute

1. **View detailed history of a specific product (e.g., product 3):**

npx hardhat run scripts/viewProductHistory.js --network localhost 3

Copy

Execute

This comprehensive test data will give you:

* **5 different tea products** with realistic names, origins, and grades
* **Products at different stages** of the supply chain:
  + Product 1: Just processed
  + Product 2: In warehouse
  + Product 3: Being distributed
  + Product 4: At retail
  + Product 5: Completely sold (full journey)
* **Realistic supply chain notes** for each stage
* **Different owners** at each stage
* **Complete traceability** from farm to consumer

test frontend with this rich dataset, demonstrating:

* ✅ Product creation by farmers
* ✅ Stage progression through the supply chain
* ✅ Role-based access control
* ✅ Complete traceability and history
* ✅ Different products at various stages
* ✅ Realistic tea industry data

Your React frontend will now have plenty of data to display and interact with!