

```
const { ethers } = require("ethers");
```

```
const abi = [  
  {  
    "inputs": [],  
    "stateMutability": "nonpayable",  
    "type": "constructor"  
  },  
  {  
    "anonymous": false,  
    "inputs": [  
      {  
        "indexed": true,  
        "internalType": "uint256",  
        "name": "drugId",  
        "type": "uint256"  
      },  
      {  
        "indexed": false,  
        "internalType": "string",  
        "name": "drugName",  
        "type": "string"  
      },  
      {  
        "indexed": false,  
        "internalType": "string",  
        "name": "manufacturer",  
        "type": "string"  
      },  
      {  
        "indexed": false,
```

```
"internalType": "uint256",
"name": "manufacturingDate",
"type": "uint256"
},
],
"name": "DrugManufactured",
"type": "event"
},
{
  "anonymous": false,
  "inputs": [
    {
      "indexed": true,
      "internalType": "uint256",
      "name": "drugId",
      "type": "uint256"
    },
    {
      "indexed": true,
      "internalType": "address",
      "name": "from",
      "type": "address"
    },
    {
      "indexed": true,
      "internalType": "address",
      "name": "to",
      "type": "address"
    },
    {
      "indexed": false,
```

```
    "internalType": "uint256",
    "name": "transferDate",
    "type": "uint256"
  }
],
  "name": "DrugTransferred",
  "type": "event"
},
{
  "inputs": [],
  "name": "drugCount",
  "outputs": [
    {
      "internalType": "uint256",
      "name": "",
      "type": "uint256"
    }
  ],
  "stateMutability": "view",
  "type": "function"
},
{
  "inputs": [
    {
      "internalType": "uint256",
      "name": "",
      "type": "uint256"
    }
  ],
  "name": "drugs",
  "outputs": [
```

```
{
  "internalType": "string",
  "name": "drugName",
  "type": "string"
},
{
  "internalType": "string",
  "name": "manufacturer",
  "type": "string"
},
{
  "internalType": "uint256",
  "name": "manufacturingDate",
  "type": "uint256"
},
{
  "internalType": "address",
  "name": "trackingHistory",
  "type": "address"
}
],
"stateMutability": "view",
"type": "function"
},
{
  "inputs": [
    {
      "internalType": "uint256",
      "name": "_drugId",
      "type": "uint256"
    }
  ]
}
```

```
],  
  "name": "getDrugDetails",  
  "outputs": [  
    {  
      "internalType": "string",  
      "name": "",  
      "type": "string"  
    },  
    {  
      "internalType": "string",  
      "name": "",  
      "type": "string"  
    },  
    {  
      "internalType": "uint256",  
      "name": "",  
      "type": "uint256"  
    },  
    {  
      "internalType": "address",  
      "name": "",  
      "type": "address"  
    }  
  ],  
  "stateMutability": "view",  
  "type": "function"  
},  
{  
  "inputs": [  
    {  
      "internalType": "uint256",
```

```
"name": "drugId",
"type": "uint256"
},
{
  "internalType": "string",
  "name": "_drugName",
  "type": "string"
},
{
  "internalType": "string",
  "name": "_manufacturer",
  "type": "string"
},
{
  "internalType": "uint256",
  "name": "_manufacturingDate",
  "type": "uint256"
}
],
"name": "manufactureDrug",
"outputs": [],
"stateMutability": "nonpayable",
"type": "function"
},
{
  "inputs": [],
  "name": "owner",
  "outputs": [
    {
      "internalType": "address",
      "name": "",
```

```
    "type": "address"
  }
],
"stateMutability": "view",
"type": "function"
},
{
  "inputs": [
    {
      "internalType": "uint256",
      "name": "_drugId",
      "type": "uint256"
    },
    {
      "internalType": "address",
      "name": "_to",
      "type": "address"
    }
  ],
  "name": "transferDrugOwnership",
  "outputs": [],
  "stateMutability": "nonpayable",
  "type": "function"
}
]
```

```
if (!window.ethereum) {
  alert('Meta Mask Not Found')
  window.open("https://metamask.io/download/")
}
```

```
export const provider = new ethers.providers.Web3Provider(window.ethereum);  
export const signer = provider.getSigner();  
export const address = "0x00D83E73d2D5b6e658bc881B27b00EA005Ea49ec"  
  
export const contract = new ethers.Contract(address, abi, signer)
```