

SOURCE CODE

```
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  "name": "drug-tracking",
  "version": "0.1.0",
  "private": true,
  "dependencies": {
    "@testing-library/jest-dom": "^5.17.0",
    "@testing-library/react": "^13.4.0",
    "@testing-library/user-event": "^13.5.0",
    "ethers": "^5.6.6",
    "react": "^18.2.0",
    "react-bootstrap": "^2.8.0",
    "react-dom": "^18.2.0",
    "react-scripts": "5.0.1",
    "web-vitals": "^2.1.4"
  },
  "scripts": {
    "start": "react-scripts start",
    "build": "react-scripts build",
    "test": "react-scripts test",
    "eject": "react-scripts eject"
  },
  "eslintConfig": {
    "extends": [
      "react-app",
      "react-app/jest"
```

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```
]
},
"browserslist": {
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    "not dead",
    "not op_mini all"
  ],
  "development": [
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  ]
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  "version": "0.1.0",
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      "version": "0.1.0",
      "dependencies": {
        "@testing-library/jest-dom": "^5.17.0",
```

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"@testing-library/react": "^13.4.0",
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"react-scripts": "5.0.1",
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SOURCE CODE

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},
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},
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    "@jridgewell/trace-mapping":
      "^0.3.9"
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    "chalk": "^2.4.2"
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    "integrity": "sha512-
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    "@babel/helper-compilation-targets": "^7.22.10",  
    "@babel/helper-module-transforms": "^7.22.9",  
    "@babel/helpers": "^7.22.10",  
    "@babel/parser": "^7.22.10",  
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```

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"convert-source-map": "^1.7.0",
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"gensync": "^1.0.0-beta.2",
"json5": "^2.2.2",
"semver": "^6.3.1"
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  "url": "https://opencollective.com/babel"
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  "bin": {
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  "version": "7.22.10",
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"eslint-visitor-keys": "^2.1.0",  
"semver": "^6.3.1"  
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"engines": { 32
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"node": "^10.13.0 || ^12.13.0 || >=14.0.0"
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"eslint": "^7.5.0 || ^8.0.0"
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xTO6XjMzA==",
"bin": {
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    "semver": "^6.3.1"  
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"@babel/helper-function-name": "^7.22.5",
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"@babel/helper-optimise-call-expression":
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"@babel/helper-replace-supers": "^7.22.9",
"@babel/helper-skip-transparent-expression-
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"@babel/helper-split-export-declaration":
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SOURCE CODE

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lcG82dQMQ==",
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"@babel/helper-module-imports": "^7.22.5",
"@babel/helper-simple-access": "^7.22.5",
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}  
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to-generator": {  
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```
"@babel/helper-wrap-function": "^7.22.9"
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```

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```
"@babel/helper-optimise-call-expression":
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  "integrity": "sha512-tK14r66JZKiC43p8Ki33yLBVJKIQDFoA8GYN67IWCDCqoL6EMMSuM9b+Iff2jHaM/RRFYI7K+iiru7hbRqNx8Q==",
  "dependencies": {
    "@babel/types": "^7.22.5"
  },
  "engines": {
    "node": ">=6.9.0"
  },
  "node_modules/@babel/helper-split-export-declaration": {
    "version": "7.22.6",
    "resolved": https://registry.npmjs.org/@babel/helper-split-export
contract Drug{
address public owner;
constructor() {
```

SOURCE CODE

```
owner = msg.sender;
}
modifier onlyOwner() {
require(msg.sender == owner, "Only the owner
can perform this action");
_;
}
struct Drug {
string drugName;
string manufacturer;
uint256 manufacturingDate;
address trackingHistory;
}
mapping(uint256 => Drug) public drugs;
uint256 public drugCount;
event DrugManufactured(uint256 indexed
drugId, string drugName, string manufacturer,
uint256 manufacturingDate);
event DrugTransferred(uint256 indexed drugId,
address indexed from, address indexed to,
uint256 transferDate);
function manufactureDrug(uint256 drugId, string
memory _drugName, string memory
_manufacturer, uint256 _manufacturingDate)
external onlyOwner {
```

SOURCE CODE

```
address initialHistory;
initialHistory = owner;
drugs[drugId] = Drug(_drugName,
_manufacturer, _manufacturingDate,
initialHistory);
drugCount++;
emit DrugManufactured(drugId, _drugName,
_manufacturer, _manufacturingDate);
}
function transferDrugOwnership(uint256 _drugId,
address _to) external {
require(_to != address(0), "Invalid address");
require(_to != drugs[_drugId].trackingHistory,
"Already owned by the new address");
address from = drugs[_drugId].trackingHistory;
drugs[_drugId].trackingHistory = _to;
emit DrugTransferred(_drugId, from, _to,
block.timestamp);
}
function getDrugDetails(uint256 _drugId)
external view returns (string memory, string
memory, uint256, address) {
Drug memory drug = drugs[_drugId];
return (drug.drugName, drug.manufacturer,
drug.manufacturingDate, drug.trackingHistory);
}
}0
```

SOURCE CODE