

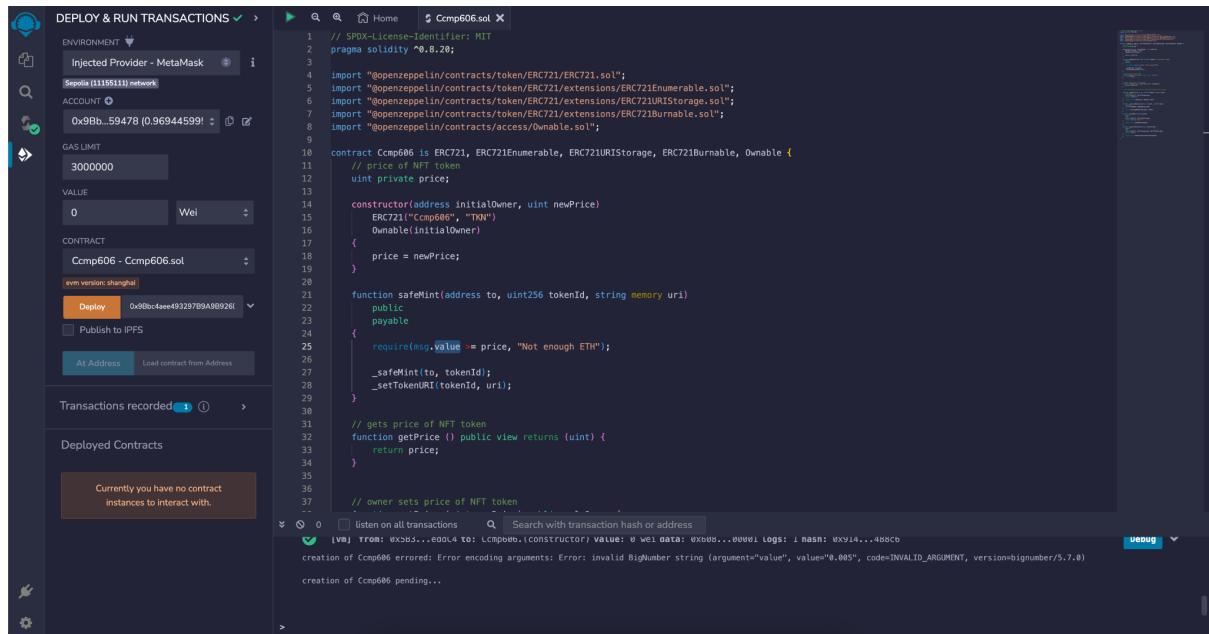
# NFT Smart Contract DAPP Project Guide

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# Deployment

First step is the deployment of the contract. We can use ganache or other tools but here we'll use Remix IDE to deploy our contract.



## Deployment Transaction:

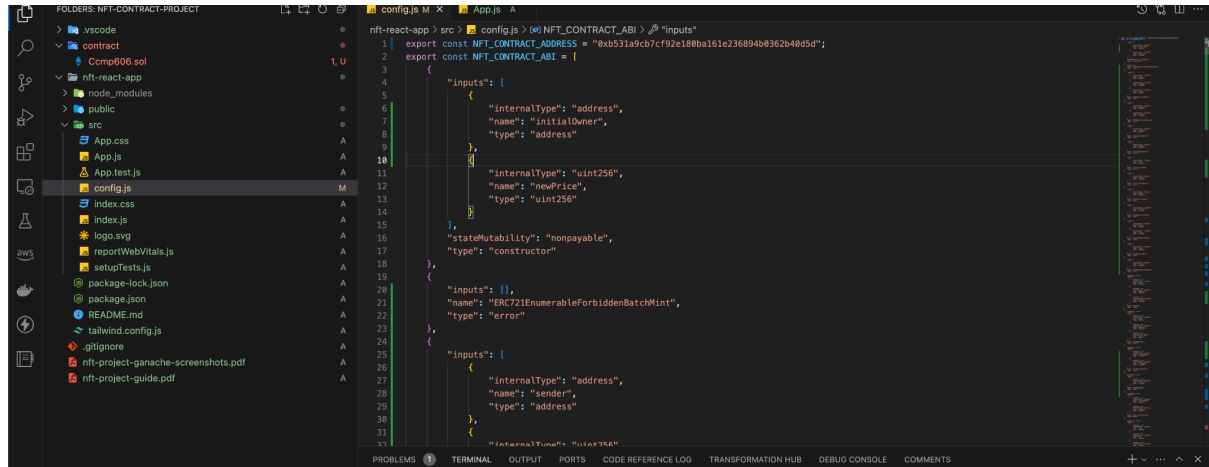
<https://sepolia.etherscan.io/tx/0xa2c3d7f1f0bb44061bcc92abcd8a2e4cedec329892ae08a01b0e3383af9f0daf0>

## Address:

0xB531A9cB7Cf92e180Ba161e236894B0362B40D5D

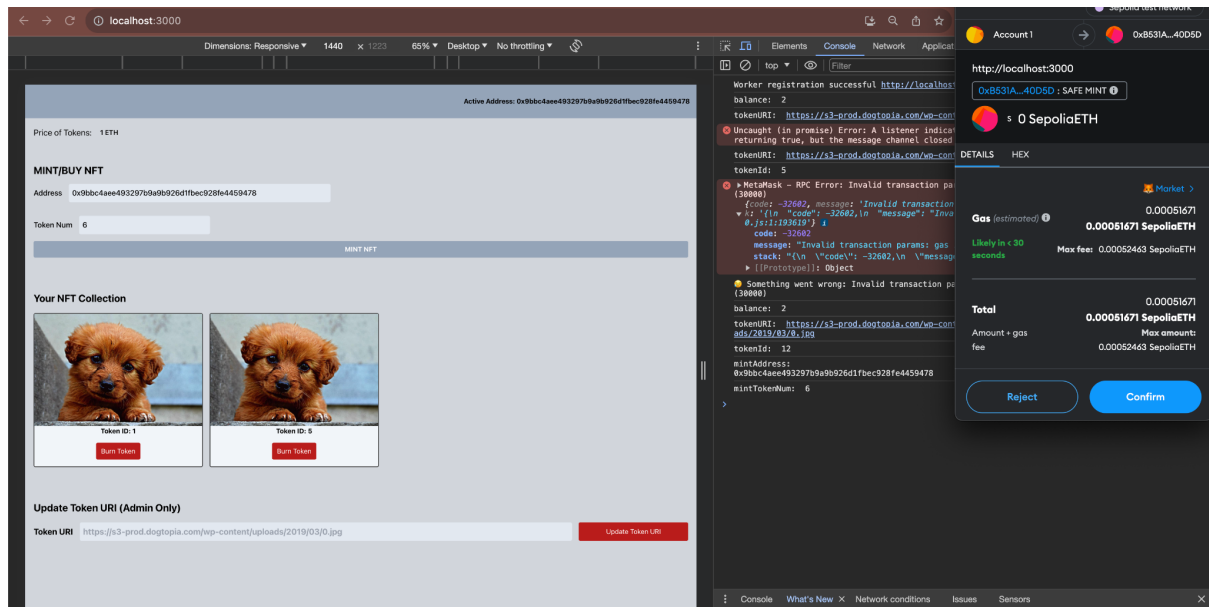
<https://sepolia.etherscan.io/address/0xb531a9cb7cf92e180ba161e236894b0362b40d5d>

# Update contract and ABI in React app Config



```
1 export const NFT_CONTRACT_ADDRESS = "0xb531a9cb7cf92e180ba16e236894b8362b485d";
2 export const NFT_CONTRACT_ABI = [
3   {
4     "inputs": [
5       {
6         "internalType": "address",
7         "name": "initialOwner",
8         "type": "address"
9       },
10      {
11        "internalType": "uint256",
12        "name": "newPrice",
13        "type": "uint256"
14      },
15    ],
16    "stateMutability": "nonpayable",
17    "type": "constructor"
18  },
19  {
20    "inputs": [],
21    "name": "ERC721EnumerableForbiddenBatchMint",
22    "type": "error"
23  },
24  {
25    "inputs": [
26      {
27        "internalType": "address",
28        "name": "sender",
29        "type": "address"
30      },
31      {
32        "internalType": "uint256"
```

# MintNFT tokens by adding the address and token num and signing transaction



Some transactions on Sepolia:

The screenshot shows the Etherscan Sepolia Testnet interface for a contract address: 0xB531A9cb7Cf92e180Ba161e236894B0362b40D5d. The interface includes a search bar, navigation links (Home, Blockchain, Tokens, NFTs, Misc), and a contract overview section. The overview shows the contract creator as 0x9Bbc4a...e4459478 and the token tracker as Comp606 (TKN). Below the overview, there are tabs for Transactions, Token Transfers (ERC-20), Contract, and Events. The Transactions tab is selected, showing a list of 4 transactions. The transactions table has columns for Transaction Hash, Method, Block, Age, From, To, Value, and Txn Fee. The transactions are as follows:

Transaction Hash	Method	Block	Age	From	To	Value	Txn Fee
0xfe197cee7201f086a...	Burn	4862557	35 secs ago	0x9Bbc4a...e4459478	0xB531A9...62B40D5D	0 ETH	0.00009915
0xdb8b17272c03d2c7...	Safe Mint	4862529	6 mins ago	0x9Bbc4a...e4459478	0xB531A9...62B40D5D	1 wei	0.0003538
0x2cc0655260c38ad9...	Safe Mint	4862518	9 mins ago	0x9Bbc4a...e4459478	0xB531A9...62B40D5D	1 wei	0.0003406
0xa2c3d7f1f0bb44061...	Contract Creation	4862295	58 mins ago	0x9Bbc4a...e4459478	Contract Creation	0 ETH	0.00490332

At the bottom of the screenshot, there is a cookie consent banner that reads: "This website uses cookies to improve your experience. By continuing to use this website, you agree to its Terms and Privacy Policy. Got it!"

<https://sepolia.etherscan.io/address/0xb531a9cb7cf92e180ba161e236894b0362b40d5d>

## Running React App

1. Simply install dependencies via `npm install`
2. Run app by `npm run start`
3. Make sure Metamask is setup in browser and allow the app to connect with account