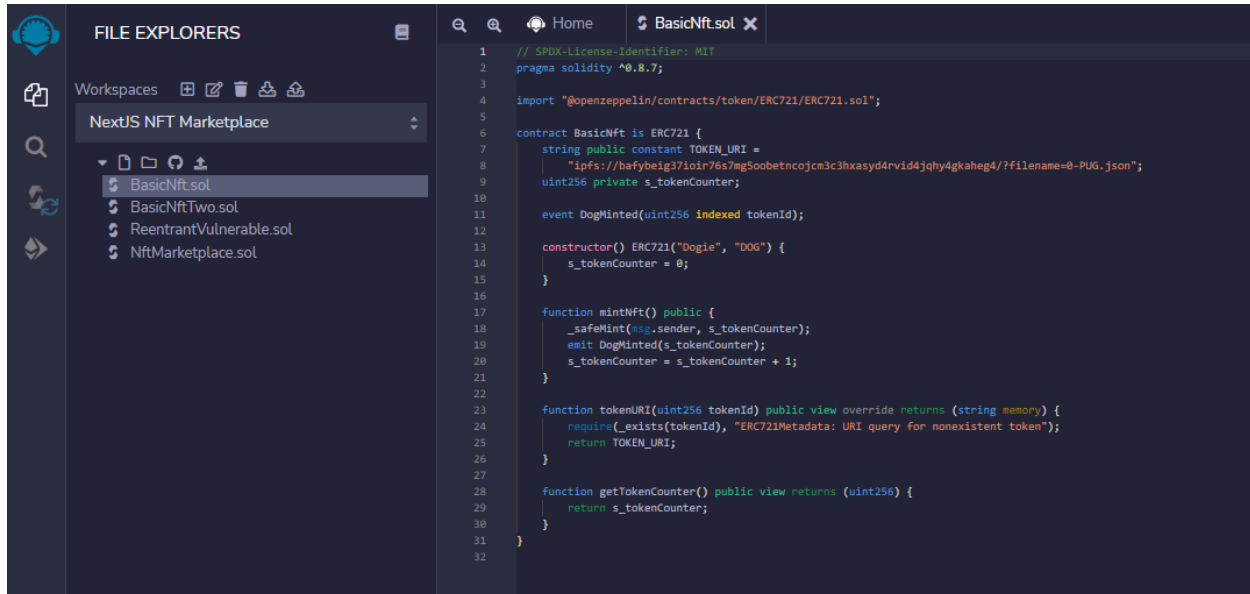
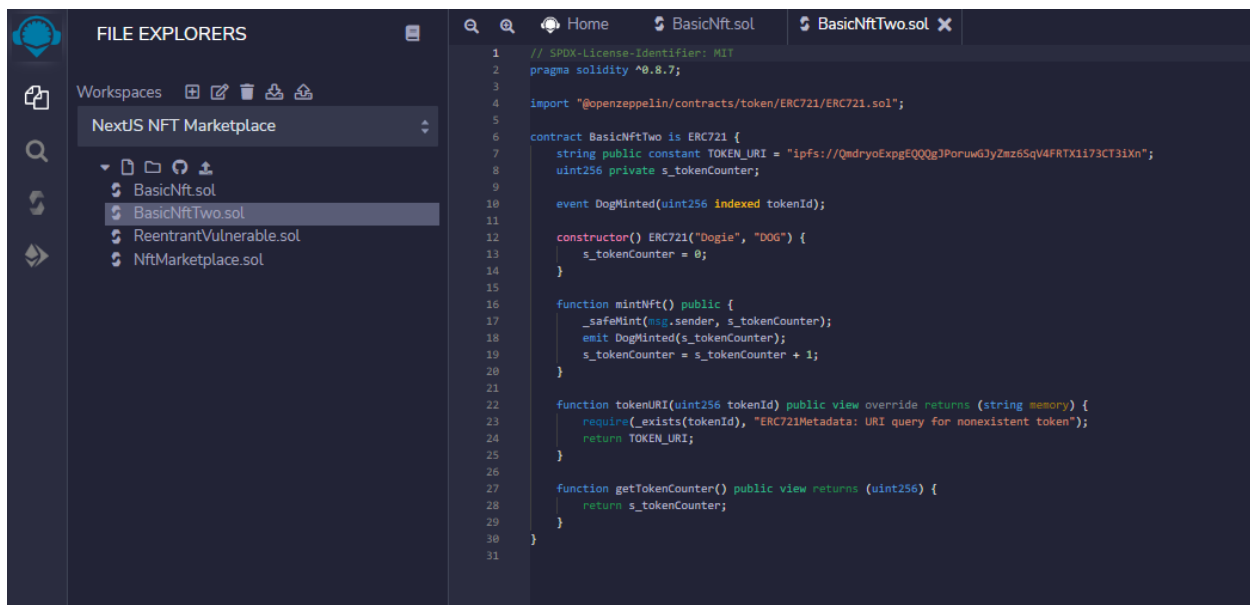


NextJS NFT Marketplace




The screenshot shows the VS Code editor interface. On the left, the 'FILE EXPLORERS' sidebar displays the workspace 'NextJS NFT Marketplace' with a file tree containing: BasicNft.sol, BasicNftTwo.sol, ReentrantVulnerable.sol, and NftMarketplace.sol. The main editor area shows the content of 'BasicNft.sol'.

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.7;
3
4 import "@openzeppelin/contracts/token/ERC721/ERC721.sol";
5
6 contract BasicNft is ERC721 {
7     string public constant TOKEN_URI =
8         "ipfs://bafybeig37ioir76s7mg5oobetncojcm3c3hxasyd4rvid4jqhy4gkaheg4/?filename=0-PUG.json";
9     uint256 private s_tokenCounter;
10
11     event DogMinted(uint256 indexed tokenId);
12
13     constructor() ERC721("Dogie", "DOG") {
14         s_tokenCounter = 0;
15     }
16
17     function mintNft() public {
18         _safeMint(msg.sender, s_tokenCounter);
19         emit DogMinted(s_tokenCounter);
20         s_tokenCounter = s_tokenCounter + 1;
21     }
22
23     function tokenURI(uint256 tokenId) public view override returns (string memory) {
24         require(!_exists(tokenId), "ERC721Metadata: URI query for nonexistent token");
25         return TOKEN_URI;
26     }
27
28     function getTokenCounter() public view returns (uint256) {
29         return s_tokenCounter;
30     }
31 }
```












The screenshot shows the VS Code editor interface. On the left, the 'FILE EXPLORERS' sidebar displays the workspace 'NextJS NFT Marketplace' with a file tree containing: BasicNft.sol, BasicNftTwo.sol, ReentrantVulnerable.sol, and NftMarketplace.sol. The main editor area shows the content of 'BasicNftTwo.sol'.

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.7;
3
4 import "@openzeppelin/contracts/token/ERC721/ERC721.sol";
5
6 contract BasicNftTwo is ERC721 {
7     string public constant TOKEN_URI = "ipfs://QmdryoExpgeQQQg3PoruwG3yZmz6SqV4FRTX1173CT31Xn";
8     uint256 private s_tokenCounter;
9
10     event DogMinted(uint256 indexed tokenId);
11
12     constructor() ERC721("Dogie", "DOG") {
13         s_tokenCounter = 0;
14     }
15
16     function mintNft() public {
17         _safeMint(msg.sender, s_tokenCounter);
18         emit DogMinted(s_tokenCounter);
19         s_tokenCounter = s_tokenCounter + 1;
20     }
21
22     function tokenURI(uint256 tokenId) public view override returns (string memory) {
23         require(!_exists(tokenId), "ERC721Metadata: URI query for nonexistent token");
24         return TOKEN_URI;
25     }
26
27     function getTokenCounter() public view returns (uint256) {
28         return s_tokenCounter;
29     }
30 }
31 }
```









FILE EXPLORERS



Workspaces 

NextJS NFT Marketplace



BasicNft.sol

BasicNftTwo.sol

ReentrantVulnerable.sol

NftMarketplace.sol




Home


BasicNft.sol

BasicNftTwo.sol

NftMarketplace.sol

```
10 error PriceNotMet(address nftAddress, uint256 tokenId, uint256 price);
11 error ItemNotForSale(address nftAddress, uint256 tokenId);
12 error NotListed(address nftAddress, uint256 tokenId);
13 error AlreadyListed(address nftAddress, uint256 tokenId);
14 error NoProceeds();
15 error NotOwner();
16 error NotApprovedForMarketplace();
17 error PriceMustBeAboveZero();
18
19 contract NftMarketplace is ReentrancyGuard {
20     struct Listing {
21         uint256 price;
22         address seller;
23     }
24
25     event ItemListed(
26         address indexed seller,
27         address indexed nftAddress,
28         uint256 indexed tokenId,
29         uint256 price
30     );
31
32     event ItemCanceled(
33         address indexed seller,
34         address indexed nftAddress,
35         uint256 indexed tokenId
36     );
37
38     event ItemBought(
39         address indexed buyer,
40         address indexed nftAddress,
41         uint256 indexed tokenId,
42         uint256 price
43     );
44 }
```

☐ listen on all transactions

 Search with transaction hash or address

• remix

Type the library name to see available commands.

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