# 442.https://stackoverflow.com/questions/70988214/smart-contract-nft-how-to-add-price-by-code-to-whole-items-in-collection

**T:**Smart Contract NFT how to add price by code to whole items in collection?

**Q:**Greeting,  
  
Could you tell me how to add price for every item in collection hosted by OpenSea ?  
  
So, I have working code, It created:  
  
1.Collection name (from construct before deploy)  
  
2.NFT symbol (from construct before deploy)  
  
3.URI to ipfs (from construct before deploy ex: ipfs://QmQtP8RNjvcVtKqcPwukgckWF74ojBjzahVzE3qCCnqv4f/  
  
My smart contract example:  
  
// SPDX-License-Identifier: GPL-3.0pragma solidity >=0.7.0 <0.9.0;import "@openzeppelin/contracts/token/ERC721/extensions/ERC721Enumerable.sol";import "@openzeppelin/contracts/access/Ownable.sol";import "@openzeppelin/contracts/utils/Context.sol";import "@openzeppelin/contracts/token/ERC721/ERC721.sol";import "@openzeppelin/contracts/utils/math/SafeMath.sol";import "@openzeppelin/contracts/token/ERC721/extensions/ERC721URIStorage.sol";contract NFT is ERC721Enumerable, Ownable { using Strings for uint256; string public baseURI; string public baseExtension = ".json"; uint256 public cost = 10000000000000000; uint256 public maxSupply = 10000; uint256 public maxMintAmount = 100; bool public paused = false; mapping(address => bool) public whitelisted; constructor( string memory \_name, string memory \_symbol, string memory \_initBaseURI ) ERC721(\_name, \_symbol) { setBaseURI(\_initBaseURI); mint(msg.sender, 5); // 5- for test } // internal function \_baseURI() internal view virtual override returns (string memory) { return baseURI; } // public function mint(address \_to, uint256 \_mintAmount) public payable { uint256 supply = totalSupply(); require(!paused); require(\_mintAmount > 0); require(\_mintAmount <= maxMintAmount); require(supply + \_mintAmount <= maxSupply); if (msg.sender != owner()) { if(whitelisted[msg.sender] != true) { require(msg.value >= cost \* \_mintAmount); } } for (uint256 i = 1; i <= \_mintAmount; i++) { \_safeMint(\_to, supply + i); } } function walletOfOwner(address \_owner) public view returns (uint256[] memory) { uint256 ownerTokenCount = balanceOf(\_owner); uint256[] memory tokenIds = new uint256[](ownerTokenCount); for (uint256 i; i < ownerTokenCount; i++) { tokenIds[i] = tokenOfOwnerByIndex(\_owner, i); } return tokenIds; } function tokenURI(uint256 tokenId) public view virtual override returns (string memory) { require( \_exists(tokenId), "ERC721Metadata: URI query for nonexistent token" ); string memory currentBaseURI = \_baseURI(); return bytes(currentBaseURI).length > 0 ? string(abi.encodePacked(currentBaseURI, tokenId.toString(), baseExtension)) : ""; } //only owner function setCost(uint256 \_newCost) public onlyOwner { cost = \_newCost; } function getCost() public view returns (uint256) { return cost; } function setmaxMintAmount(uint256 \_newmaxMintAmount) public onlyOwner { maxMintAmount = \_newmaxMintAmount; } function setBaseURI(string memory \_newBaseURI) public onlyOwner { baseURI = \_newBaseURI; } function setBaseExtension(string memory \_newBaseExtension) public onlyOwner { baseExtension = \_newBaseExtension; } function pause(bool \_state) public onlyOwner { paused = \_state; } function whitelistUser(address \_user) public onlyOwner { whitelisted[\_user] = true; } function removeWhitelistUser(address \_user) public onlyOwner { whitelisted[\_user] = false; } function withdraw() public onlyOwner { uint256 balance = address(this).balance; payable(msg.sender).transfer(balance); }}  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
and my item json file example:  
  
{ "description": "Test Description", "external\_url": "http://testurl.com", "image": "ipfs://QmSrkLg3UR5AUthhCZfrK9nrX3fxJJ4aCJK7B99rUkCa72/4.png", "name": "Test Name #4", "symbol": "TNFT", "collection": { "name": "TestNFT123\_321", "family": "" }, "date": 1643919095, "attributes": { "Story": "In Caffe", "Company": "Test Company", "Some": "thing else" }}  
  
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On the OpenSea I have created collection name with items, but, with active price button.What I made wrong?  
  
Thanks for help.

1 **Answer**

**A1:**I investigated this issue, so:  
  
 ● Listing items on OpenSea could be with API endpoints (see OpenSea docs, and here).  
  
 ● OpenSea listing could be on mainnet or Rinkeby network only (as of today no Polygon, BSC ...)  
  
 ● There are a lot of clickers, which emulate add item, name, price on Polygon network.  
  
Waiting for API V2 OpenSea =((