# 404.https://stackoverflow.com/questions/71209733/is-it-possible-to-allow-general-public-to-mint-nft-without-being-whitelisted

**T:**Is it possible to allow general public to mint NFT without being whitelisted?

**Q:**I am quite new to Solidity. I have deployed a smart contract and doing some testing on it. If no one was added as a whitelisted user - all wallets can mint an NFT. If I add someone and then remove them - no one can mint it until whitelisted (except the owner). My question: is it possible to allow everyone to mint again? Thanks in advance.  
  
contract:pragma solidity ^0.8.7;  
  
contract test is ERC721Enumerable, Ownable { using Strings for uint256; string public baseURI; string public baseExtension = ".json"; uint256 public cost = 0.03 ether; uint256 public presaleCost = 0.03 ether; uint256 public maxSupply = 10000; uint256 public maxMintAmount = 10000; bool public paused = false; mapping(address => bool) public whitelisted; mapping(address => bool) public presaleWallets; constructor( string memory \_name, string memory \_symbol, string memory \_initBaseURI ) ERC721(\_name, \_symbol) { setBaseURI(\_initBaseURI); mint(msg.sender, 1); } // 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) { if (presaleWallets[msg.sender] != true) { //general public require(msg.value >= cost \* \_mintAmount); } else { //presale require(msg.value >= presaleCost \* \_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 setPresaleCost(uint256 \_newCost) public onlyOwner { presaleCost = \_newCost; } 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 addPresaleUser(address \_user) public onlyOwner { presaleWallets[\_user] = true; } function add100PresaleUsers(address[100] memory \_users) public onlyOwner { for (uint256 i = 0; i < 2; i++) { presaleWallets[\_users[i]] = true; } } function removePresaleUser(address \_user) public onlyOwner { presaleWallets[\_user] = false; } function withdraw() public payable onlyOwner { (bool success, ) = payable(msg.sender).call{ value: address(this).balance }(""); require(success); }}  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]

1 **Answer**

**A1:**In mint function you have added condition for if address is not owner then this user needs to be whitelisted. If you want to mint nft by any address then remove this condition.  
  
if (msg.sender != owner()) { if (whitelisted[msg.sender] != true) { if (presaleWallets[msg.sender] != true) { //general public require(msg.value >= cost \* \_mintAmount); } else { //presale require(msg.value >= presaleCost \* \_mintAmount); } } }  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]

**C1:**Thanks for your input, but why did it allow to mint from all wallets prior adding the whitelisted wallets?

**C2:**Basically it is getting some cost for if user is not whitelisted