**Alchemic Gold Chain Functions** constructor No parameters No parameters fallback \*\*Add Documentation for the method here\*\* No parameters Returns: No parameters approve See {IERC721-approve}. Туре Description Name to address tokenId uint256 No parameters balanceOf See {IERC721-balanceOf}. Description Name Туре address owner Description Name Туре uint256 burn This method can burn chain, and remove it from User chain list array. Only Managers or owner can burn chain Name Туре Description uint256 tokenId Token ID of chain address Owner of chain owner No parameters calculateRewardsToken Calculates reward of chain, it calculates reward from last claim time to present time Name Type Description uint256 tokenId Token ID of chain Returns: Туре Name Description uint256 Reward amount of chain rewards claimRewardsToken Claims reward of chain, and update last claim time of chain and total claim amount Name Туре Description tokenId uint256 Token ID of chain uint256 amount to be claim amount Returns: No parameters createChain createChain: Only Gold chain manager can call this method. Saves detail of Chain against user address and chain token Id. Description Name Туре address Address of user to string Name of chain name Returns: Description Туре Name uint256 \_tokenId getApproved See {IERC721-getApproved}. Name Description Туре uint256 tokenId Returns: Description Туре Name address getChainDetails Returns specific chain's detail. Chain's name, total claimed amount, last claim time and time of creation. Name Description Туре uint256 tokenId Token id of chain Returns: Description Type Name tuple getGoldChainManager Returns Gold chain manager contract address. No parameters Туре Description Name Gold chain manager contract address \_goldChainManager address getLastClaimtime Returns last claim time of chain. Chain(token id) must exist other wise it revert error. Name Туре Description Token ID of chain uint256 \_tokenId Returns: Name Туре Description \_lastClaimTime uint256 getRewardPerPeriod Returns reward amount per period of Silver chain. No parameters Description Name Туре uint256 Reward per period \_rewardsPerPeriod getRewardPeriod Returns reward period of Silver chain in days No parameters Description Name Туре \_rewardPeriod uint256 Reward period getSettingContract Returns Setting contract address. No parameters Description Туре Name Setting contract address \_settingContract address getTokenBalance Returns any token balance of contract. Description Туре Name Token contract address \_tokenAddress address Type Description Name uint256 Token Balance \_balance getUserChains Returns User chains count. Description Type Name User address, owner of chains address user Туре Name Description uint256[] chains getUserDetails Returns User's chain details. Chain token ids, total claimed amount, last claim time. Name Туре Description address User address, owner of chains user Name Description Type tuple getWalletLimit Returns wallet limit of silver chain, User can create silver chains upto this limit. No parameters Туре Description Name Wallet limit uint256 \_walletLimit initialize Initialize: Deploy Alchemic Gold Chain and sets value of rewardsPerPeriod, rewardPeriod and perWalletLimit No parameters Returns: No parameters isApprovedForAll See {IERC721-isApprovedForAll}. Name Туре Description address owner operator address Name Туре Description bool name See {IERC721Metadata-name}. No parameters Туре Description Name string owner Returns the address of the current owner. No parameters Description Name Туре address ownerOf See {IERC721-ownerOf}. Name Туре Description tokenId uint256 Туре Description Name address pause pause: This method is used to Pause contract to transfer chain. No parameters No parameters paused Returns true if the contract is paused, and false otherwise. No parameters Type Description Name bool proxiableUUID Implementation of the ERC1822 {proxiableUUID} function. This returns the storage slot used by the implementation. It is used to validate that the this implementation remains valid after an upgrade. IMPORTANT: A proxy pointing at a proxiable contract should not be considered proxiable itself, because this risks bricking a proxy that upgrades to it, by delegating to itself until out of gas. Thus it is critical that this function revert if invoked through a proxy. This is guaranteed by the `notDelegated` modifier. No parameters Name Туре Description bytes32 renounceOwnership Leaves the contract without owner. It will not be possible to call `onlyOwner` functions anymore. Can only be called by the current owner. NOTE: Renouncing ownership will leave the contract without an owner, thereby removing any functionality that is only available to the owner. No parameters No parameters safeTransferFrom See {IERC721-safeTransferFrom}. Туре Name Description address from to address uint256 tokenId Returns: No parameters safeTransferFrom See {IERC721-safeTransferFrom}. Name Туре Description address from to address tokenId uint256 bytes data Returns: No parameters setApprovalForAll See {IERC721-setApprovalForAll}. Name Туре Description address operator approved bool No parameters setGoldChainManager Sets Gold chain manager address. Only Setting contract can call this method. Description Name Type \_goldChainManager Gold chain manager address address Returns: No parameters setRewardPerPeriod Sets reward amount per period of Silver chain. Only Setting contract can call this method. Description Name Type Reward per period uint256 reward Returns: No parameters setRewardPeriod Sets reward period of Silver chain in days. Only Setting contract can call this method. Name Туре Description \_rewardPeriod uint256 Wallet limit Returns: No parameters setSettingContract Sets Setting contract address. Only owner can call this method. Name Type Description Setting contract address \_settingContract address Returns: No parameters setWalletLimit Sets wallet limit of silver chain, User can create silver chains upto this limit. Only Setting contract can call this method. Name Type **Description** Wallet limit uint256 \_walletLimit Returns: No parameters supportsInterface See {IERC165-supportsInterface}. Description Name Туре bytes4 interfaceId Returns: Name Type Description bool symbol See {IERC721Metadata-symbol}. No parameters Returns: Description Name Туре string tokenURI See {IERC721Metadata-tokenURI}. Description Name Туре uint256 tokenId Returns: Туре Description Name string transferFrom See {IERC721-transferFrom}. Description Name Type address from to address tokenId uint256 Returns: No parameters transferOwnership Transfers ownership of the contract to a new account ('newOwner'). Can only be called by the current owner. Description Name Туре address newOwner Returns: No parameters unpause unpause: This method is used to Unpause contract to transfer chain No parameters Returns: No parameters upgradeTo Upgrade the implementation of the proxy to `newImplementation`. Calls {\_authorizeUpgrade}. Emits an {Upgraded} event. Name Туре Description newImplementation address No parameters upgradeToAndCall Upgrade the implementation of the proxy to `newImplementation`, and subsequently execute the function call encoded in `data`. Calls {\_authorizeUpgrade}. Emits an {Upgraded} event. Name Туре Description newImplementation address bytes data No parameters withdrawCurrency Withdraw currency balance from this contrat and can send to any address. Only Owner can call this method. Description Name Туре address User address \_destionation No parameters withdrawToken Withdraw any token balance from this contrat and can send to any address. Only Owner can call this method. Name Туре Description tokenAddress address Token Address \_destionation User address address

No parameters

undefined

No parameters

No parameters

\*\*Add Documentation for the method here\*\*