

name:fady

version:3.2

#####

Compiled with solc

Number of lines: 1251 (+ 0 in dependencies, + 0 in tests)

Number of assembly lines: 0

Number of contracts: 13 (+ 0 in dependencies, + 0 tests)

Number of optimization issues: 11

Number of informational issues: 43

Number of low issues: 4

Number of medium issues: 1

Number of high issues: 0

ERCs: ERC165, ERC721

./files/fady-1652350000.sol analyzed (13 contracts)

Name	# functions	ERCS	ERC20 info	Complex code	Features
Counters	4			No	
Strings	4			Yes	
Address	11			No	Send ETH
					Delegatecall
					Assembly
IERC721Receiver	1			No	
TimeSyncNFT	57	ERC165,ERC721		No	Assembly

+ Contract Counters (Most derived contract)

- From Counters
 - current(Counters.Counter) (internal)
 - decrement(Counters.Counter) (internal)
 - increment(Counters.Counter) (internal)
 - reset(Counters.Counter) (internal)

+ Contract Strings (Most derived contract)

- From Strings
 - toHexString(uint256) (internal)
 - toHexString(uint256,uint256) (internal)
 - toString(uint256) (internal)

+ Contract Context

- From Context
 - _msgData() (internal)
 - _msgSender() (internal)

+ Contract Ownable

- From Context
 - _msgData() (internal)
 - _msgSender() (internal)
- From Ownable
 - _transferOwnership(address) (internal)
 - constructor() (internal)
 - owner() (public)
 - renounceOwnership() (public)
 - transferOwnership(address) (public)

+ Contract Address (Most derived contract)

- From Address
 - functionCall(address,bytes) (internal)
 - functionCall(address,bytes,string) (internal)
 - functionCallWithValue(address,bytes,uint256) (internal)
 - functionCallWithValue(address,bytes,uint256,string) (internal)
 - functionDelegateCall(address,bytes) (internal)
 - functionDelegateCall(address,bytes,string) (internal)

- functionStaticCall(address,bytes) (internal)
- functionStaticCall(address,bytes,string) (internal)
- isContract(address) (internal)
- sendValue(address,uint256) (internal)
- verifyCallResult(bool,bytes,string) (internal)

- + Contract IERC721Receiver (Most derived contract)
 - From IERC721Receiver
 - onERC721Received(address,address,uint256,bytes) (external)

- + Contract IERC165
 - From IERC165
 - supportsInterface(bytes4) (external)

- + Contract ERC165
 - From ERC165
 - supportsInterface(bytes4) (public)

- + Contract IERC721
 - From IERC165
 - supportsInterface(bytes4) (external)
 - From IERC721
 - approve(address,uint256) (external)
 - balanceOf(address) (external)
 - getApproved(uint256) (external)
 - isApprovedForAll(address,address) (external)
 - ownerOf(uint256) (external)
 - safeTransferFrom(address,address,uint256) (external)
 - safeTransferFrom(address,address,uint256,bytes) (external)
 - setApprovalForAll(address,bool) (external)
 - transferFrom(address,address,uint256) (external)

- + Contract IERC721Metadata
 - From IERC721
 - approve(address,uint256) (external)
 - balanceOf(address) (external)
 - getApproved(uint256) (external)
 - isApprovedForAll(address,address) (external)

- ownerOf(uint256) (external)
- safeTransferFrom(address,address,uint256) (external)
- safeTransferFrom(address,address,uint256,bytes) (external)
- setApprovalForAll(address,bool) (external)
- transferFrom(address,address,uint256) (external)
- From IERC165
 - supportsInterface(bytes4) (external)
- From IERC721Metadata
 - name() (external)
 - symbol() (external)
 - tokenURI(uint256) (external)
- + Contract ERC721
 - From Context
 - _msgData() (internal)
 - _msgSender() (internal)
 - From ERC721
 - _approve(address,uint256) (internal)
 - _baseURI() (internal)
 - _beforeTokenTransfer(address,address,uint256) (internal)
 - _burn(uint256) (internal)
 - _checkOnERC721Received(address,address,uint256,bytes) (private)
 - _exists(uint256) (internal)
 - _isApprovedOrOwner(address,uint256) (internal)
 - _mint(address,uint256) (internal)
 - _safeMint(address,uint256) (internal)
 - _safeMint(address,uint256,bytes) (internal)
 - _safeTransfer(address,address,uint256,bytes) (internal)
 - _setApprovalForAll(address,address,bool) (internal)
 - _transfer(address,address,uint256) (internal)
 - approve(address,uint256) (public)
 - balanceOf(address) (public)
 - constructor(string,string) (public)
 - getApproved(uint256) (public)
 - isApprovedForAll(address,address) (public)
 - name() (public)
 - ownerOf(uint256) (public)
 - safeTransferFrom(address,address,uint256) (public)

- safeTransferFrom(address,address,uint256,bytes) (public)
- setApprovalForAll(address,bool) (public)
- supportsInterface(bytes4) (public)
- symbol() (public)
- tokenURI(uint256) (public)
- transferFrom(address,address,uint256) (public)

+ Contract ERC721URIStorage

- From ERC721
 - _approve(address,uint256) (internal)
 - _baseURI() (internal)
 - _beforeTokenTransfer(address,address,uint256) (internal)
 - _checkOnERC721Received(address,address,uint256,bytes) (private)
 - _exists(uint256) (internal)
 - _isApprovedOrOwner(address,uint256) (internal)
 - _mint(address,uint256) (internal)
 - _safeMint(address,uint256) (internal)
 - _safeMint(address,uint256,bytes) (internal)
 - _safeTransfer(address,address,uint256,bytes) (internal)
 - _setApprovalForAll(address,address,bool) (internal)
 - _transfer(address,address,uint256) (internal)
 - approve(address,uint256) (public)
 - balanceOf(address) (public)
 - constructor(string,string) (public)
 - getApproved(uint256) (public)
 - isApprovedForAll(address,address) (public)
 - name() (public)
 - ownerOf(uint256) (public)
 - safeTransferFrom(address,address,uint256) (public)
 - safeTransferFrom(address,address,uint256,bytes) (public)
 - setApprovalForAll(address,bool) (public)
 - supportsInterface(bytes4) (public)
 - symbol() (public)
 - transferFrom(address,address,uint256) (public)
- From Context
 - _msgData() (internal)
 - _msgSender() (internal)
- From ERC721URIStorage

- _burn(uint256) (internal)
- _setTokenURI(uint256,string) (internal)
- tokenURI(uint256) (public)

+ Contract TimeSyncNFT (Most derived contract)

- From Ownable
 - _transferOwnership(address) (internal)
 - owner() (public)
 - renounceOwnership() (public)
 - transferOwnership(address) (public)
- From Context
 - _msgData() (internal)
 - _msgSender() (internal)
- From ERC721URIStorage
 - _setTokenURI(uint256,string) (internal)
- From ERC721
 - _approve(address,uint256) (internal)
 - _beforeTokenTransfer(address,address,uint256) (internal)
 - _checkOnERC721Received(address,address,uint256,bytes) (private)
 - _exists(uint256) (internal)
 - _isApprovedOrOwner(address,uint256) (internal)
 - _mint(address,uint256) (internal)
 - _safeMint(address,uint256) (internal)
 - _safeMint(address,uint256,bytes) (internal)
 - _safeTransfer(address,address,uint256,bytes) (internal)
 - _setApprovalForAll(address,address,bool) (internal)
 - _transfer(address,address,uint256) (internal)
 - approve(address,uint256) (public)
 - balanceOf(address) (public)
 - constructor(string,string) (public)
 - getApproved(uint256) (public)
 - isApprovedForAll(address,address) (public)
 - name() (public)
 - ownerOf(uint256) (public)
 - safeTransferFrom(address,address,uint256) (public)
 - safeTransferFrom(address,address,uint256,bytes) (public)
 - setApprovalForAll(address,bool) (public)
 - supportsInterface(bytes4) (public)

- symbol() (public)
- transferFrom(address,address,uint256) (public)
- From TimeSyncNFT
 - _baseURI() (internal)
 - _burn(uint256) (internal)
 - constructor() (public)
 - safeMint(address,string) (public)
 - setTokenURI(uint256,string) (public)
 - tokenURI(uint256) (public)

./files/fady-1652350000.sol analyzed (13 contracts)

Contract Counters

Function	State variables written	Conditions on msg.sender
current	<code>[]</code>	<code>[]</code>
increment	<code>[]</code>	<code>[]</code>
decrement	<code>[]</code>	<code>[]</code>
reset	<code>[]</code>	<code>[]</code>

Contract Strings

Function	State variables written	Conditions on msg.sender
current	<code>[]</code>	<code>[]</code>
increment	<code>[]</code>	<code>[]</code>
decrement	<code>[]</code>	<code>[]</code>
reset	<code>[]</code>	<code>[]</code>
Function	State variables written	Conditions on msg.sender
toString	<code>[]</code>	<code>[]</code>
toHexString	<code>[]</code>	<code>[]</code>
toHexString	<code>[]</code>	<code>[]</code>
slitherConstructorConstantVariables	<code>['_HEX_SYMBOLS']</code>	<code>[]</code>

Contract Context

Function	State variables written	Conditions on msg.sender
current	<code>[]</code>	<code>[]</code>
increment	<code>[]</code>	<code>[]</code>
decrement	<code>[]</code>	<code>[]</code>
reset	<code>[]</code>	<code>[]</code>
Function	State variables written	Conditions on msg.sender
toString	<code>[]</code>	<code>[]</code>
toHexString	<code>[]</code>	<code>[]</code>
toHexString	<code>[]</code>	<code>[]</code>
slitherConstructorConstantVariables	<code>['_HEX_SYMBOLS']</code>	<code>[]</code>
Function	State variables written	Conditions on msg.sender
_msgSender	<code>[]</code>	<code>[]</code>
_msgData	<code>[]</code>	<code>[]</code>

Contract Ownable

Function	State variables written	Conditions on msg.sender
current	<code>[]</code>	<code>[]</code>
increment	<code>[]</code>	<code>[]</code>
decrement	<code>[]</code>	<code>[]</code>
reset	<code>[]</code>	<code>[]</code>
Function	State variables written	Conditions on msg.sender
toString	<code>[]</code>	<code>[]</code>
toHexString	<code>[]</code>	<code>[]</code>
toHexString	<code>[]</code>	<code>[]</code>
slitherConstructorConstantVariables	<code>['_HEX_SYMBOLS']</code>	<code>[]</code>
Function	State variables written	Conditions on msg.sender
_msgSender	<code>[]</code>	<code>[]</code>
_msgData	<code>[]</code>	<code>[]</code>
Function	State variables written	Conditions on msg.sender
_msgSender	<code>[]</code>	<code>[]</code>
_msgData	<code>[]</code>	<code>[]</code>
constructor	<code>['_owner']</code>	<code>[]</code>
owner	<code>[]</code>	<code>[]</code>
renounceOwnership	<code>['_owner']</code>	<code>[]</code>
transferOwnership	<code>['_owner']</code>	<code>[]</code>
_transferOwnership	<code>['_owner']</code>	<code>[]</code>

Contract Address

Function	State variables written	Conditions on msg.sender
current	<code>[]</code>	<code>[]</code>
increment	<code>[]</code>	<code>[]</code>
decrement	<code>[]</code>	<code>[]</code>

reset	␣	␣
Function	State variables written	Conditions on msg.sender
toString	␣	␣
toHexString	␣	␣
toHexString	␣	␣
slitherConstructorConstantVariables	['_HEX_SYMBOLS']	␣
Function	State variables written	Conditions on msg.sender
_msgSender	␣	␣
msgData	␣	␣
Function	State variables written	Conditions on msg.sender
_msgSender	␣	␣
_msgData	␣	␣
constructor	['_owner']	␣
owner	␣	␣
renounceOwnership	['_owner']	␣
transferOwnership	['_owner']	␣
_transferOwnership	['_owner']	␣
Function	State variables written	Conditions on msg.sender
isContract	␣	␣
sendValue	␣	␣
functionCall	␣	␣
functionCall	␣	␣
functionCallWithValue	␣	␣
functionCallWithValue	␣	␣
functionStaticCall	␣	␣
functionStaticCall	␣	␣
functionDelegateCall	␣	␣
functionDelegateCall	␣	␣
verifyCallResult	␣	␣

Contract IERC721Receiver

Function	State variables written	Conditions on msg.sender
current	␣	␣
increment	␣	␣
decrement	␣	␣
reset	␣	␣
Function	State variables written	Conditions on msg.sender
toString	␣	␣
toHexString	␣	␣
toHexString	␣	␣
slitherConstructorConstantVariables	['_HEX_SYMBOLS']	␣
Function	State variables written	Conditions on msg.sender
_msgSender	␣	␣
_msgData	␣	␣
Function	State variables written	Conditions on msg.sender
_msgSender	␣	␣
_msgData	␣	␣
constructor	['_owner']	␣
owner	␣	␣
renounceOwnership	['_owner']	␣
transferOwnership	['_owner']	␣
_transferOwnership	['_owner']	␣
Function	State variables written	Conditions on msg.sender
isContract	␣	␣
sendValue	␣	␣
functionCall	␣	␣
functionCall	␣	␣
functionCallWithValue	␣	␣
functionCallWithValue	␣	␣
functionStaticCall	␣	␣
functionStaticCall	␣	␣
functionDelegateCall	␣	␣
functionDelegateCall	␣	␣
verifyCallResult	␣	␣
Function	State variables written	Conditions on msg.sender
onERC721Received	␣	␣

Contract IERC165

Function	State variables written	Conditions on msg.sender
current	␣	␣
increment	␣	␣
decrement	␣	␣
reset	␣	␣
Function	State variables written	Conditions on msg.sender

	toString	␣	␣
	toHexString	␣	␣
	toHexString	␣	␣
slither	ConstructorConstantVariables	['_HEX_SYMBOLS']	␣
	Function	State variables written	Conditions on msg.sender
	_msgSender	␣	␣
	_msgData	␣	␣
	Function	State variables written	Conditions on msg.sender
	_msgSender	␣	␣
	_msgData	␣	␣
	constructor	['_owner']	␣
	owner	␣	␣
	renounceOwnership	['_owner']	␣
	transferOwnership	['_owner']	␣
	_transferOwnership	['_owner']	␣
	Function	State variables written	Conditions on msg.sender
	isContract	␣	␣
	sendValue	␣	␣
	functionCall	␣	␣
	functionCall	␣	␣
	functionCallWithValue	␣	␣
	functionCallWithValue	␣	␣
	functionStaticCall	␣	␣
	functionStaticCall	␣	␣
	functionDelegateCall	␣	␣
	functionDelegateCall	␣	␣
	verifyCallResult	␣	␣
	Function	State variables written	Conditions on msg.sender
	onERC721Received	␣	␣
	Function	State variables written	Conditions on msg.sender
	supportsInterface	␣	␣

Contract ERC165

	Function	State variables written	Conditions on msg.sender
	current	␣	␣
	increment	␣	␣
	decrement	␣	␣
	reset	␣	␣
	Function	State variables written	Conditions on msg.sender
	toString	␣	␣
	toHexString	␣	␣
	toHexString	␣	␣
slither	ConstructorConstantVariables	['_HEX_SYMBOLS']	␣
	Function	State variables written	Conditions on msg.sender
	_msgSender	␣	␣
	_msgData	␣	␣
	Function	State variables written	Conditions on msg.sender
	_msgSender	␣	␣
	_msgData	␣	␣
	constructor	['_owner']	␣
	owner	␣	␣
	renounceOwnership	['_owner']	␣
	transferOwnership	['_owner']	␣
	_transferOwnership	['_owner']	␣
	Function	State variables written	Conditions on msg.sender
	isContract	␣	␣
	sendValue	␣	␣
	functionCall	␣	␣
	functionCall	␣	␣
	functionCallWithValue	␣	␣
	functionCallWithValue	␣	␣
	functionStaticCall	␣	␣
	functionStaticCall	␣	␣
	functionDelegateCall	␣	␣
	functionDelegateCall	␣	␣
	verifyCallResult	␣	␣
	Function	State variables written	Conditions on msg.sender
	onERC721Received	␣	␣
	Function	State variables written	Conditions on msg.sender
	supportsInterface	␣	␣
	Function	State variables written	Conditions on msg.sender
	supportsInterface	␣	␣
	supportsInterface	␣	␣

Contract IERC721

	Function	State variables written	Conditions on msg.sender
	current	[]	[]
	increment	[]	[]
	decrement	[]	[]
	reset	[]	[]
	Function	State variables written	Conditions on msg.sender
	toString	[]	[]
	toHexString	[]	[]
	toHexString	[]	[]
slitherConstructorConstantVariables		['_HEX_SYMBOLS']	[]
	Function	State variables written	Conditions on msg.sender
	_msgSender	[]	[]
	_msgData	[]	[]
	Function	State variables written	Conditions on msg.sender
	_msgSender	[]	[]
	_msgData	[]	[]
	constructor	['_owner']	[]
	owner	[]	[]
	renounceOwnership	['_owner']	[]
	transferOwnership	['_owner']	[]
	_transferOwnership	['_owner']	[]
	Function	State variables written	Conditions on msg.sender
	isContract	[]	[]
	sendValue	[]	[]
	functionCall	[]	[]
	functionCall	[]	[]
	functionCallWithValue	[]	[]
	functionCallWithValue	[]	[]
	functionStaticCall	[]	[]
	functionStaticCall	[]	[]
	functionDelegateCall	[]	[]
	functionDelegateCall	[]	[]
	verifyCallResult	[]	[]
	Function	State variables written	Conditions on msg.sender
	onERC721Received	[]	[]
	Function	State variables written	Conditions on msg.sender
	supportsInterface	[]	[]
	Function	State variables written	Conditions on msg.sender
	supportsInterface	[]	[]
	supportsInterface	[]	[]
	Function	State variables written	Conditions on msg.sender
	supportsInterface	[]	[]
	balanceOf	[]	[]
	ownerOf	[]	[]
	safeTransferFrom	[]	[]
	transferFrom	[]	[]
	approve	[]	[]
	getApproved	[]	[]
	setApprovalForAll	[]	[]
	isApprovedForAll	[]	[]
	safeTransferFrom	[]	[]

Contract IERC721Metadata

	Function	State variables written	Conditions on msg.sender
	current	[]	[]
	increment	[]	[]
	decrement	[]	[]
	reset	[]	[]
	Function	State variables written	Conditions on msg.sender
	toString	[]	[]
	toHexString	[]	[]
	toHexString	[]	[]
slitherConstructorConstantVariables		['_HEX_SYMBOLS']	[]
	Function	State variables written	Conditions on msg.sender
	_msgSender	[]	[]
	_msgData	[]	[]
	Function	State variables written	Conditions on msg.sender
	_msgSender	[]	[]
	_msgData	[]	[]
	constructor	['_owner']	[]
	owner	[]	[]
	renounceOwnership	['_owner']	[]
	transferOwnership	['_owner']	[]
	_transferOwnership	['_owner']	[]
	Function	State variables written	Conditions on msg.sender
	isContract	[]	[]
	sendValue	[]	[]
	functionCall	[]	[]
	functionCall	[]	[]

functionCallWithValue	0	0
functionCallWithValue	0	0
functionStaticCall	0	0
functionStaticCall	0	0
functionDelegateCall	0	0
functionDelegateCall	0	0
verifyCallResult	0	0
Function	State variables written	Conditions on msg.sender
onERC721Received	0	0
Function	State variables written	Conditions on msg.sender
supportsInterface	0	0
Function	State variables written	Conditions on msg.sender
supportsInterface	0	0
supportsInterface	0	0
Function	State variables written	Conditions on msg.sender
supportsInterface	0	0
balanceOf	0	0
ownerOf	0	0
safeTransferFrom	0	0
transferFrom	0	0
approve	0	0
getApproved	0	0
setApprovalForAll	0	0
isApprovedForAll	0	0
safeTransferFrom	0	0
Function	State variables written	Conditions on msg.sender
balanceOf	0	0
ownerOf	0	0
safeTransferFrom	0	0
transferFrom	0	0
approve	0	0
getApproved	0	0
setApprovalForAll	0	0
isApprovedForAll	0	0
safeTransferFrom	0	0
supportsInterface	0	0
name	0	0
symbol	0	0
tokenURI	0	0

Contract ERC721

Function	State variables written	Conditions on msg.sender
current	0	0
increment	0	0
decrement	0	0
reset	0	0
Function	State variables written	Conditions on msg.sender
toString	0	0
toHexString	0	0
toHexString	0	0
slitherConstructorConstantVariables	['_HEX_SYMBOLS']	0
Function	State variables written	Conditions on msg.sender
_msgSender	0	0
_msgData	0	0
Function	State variables written	Conditions on msg.sender
_msgSender	0	0
_msgData	0	0
constructor	['_owner']	0
owner	0	0
renounceOwnership	['_owner']	0
transferOwnership	['_owner']	0
_transferOwnership	['_owner']	0
Function	State variables written	Conditions on msg.sender
isContract	0	0
sendValue	0	0
functionCall	0	0
functionCall	0	0
functionCallWithValue	0	0
functionCallWithValue	0	0
functionStaticCall	0	0
functionStaticCall	0	0
functionDelegateCall	0	0
functionDelegateCall	0	0
verifyCallResult	0	0
Function	State variables written	Conditions on msg.sender
onERC721Received	0	0
Function	State variables written	Conditions on msg.sender
supportsInterface	0	0
Function	State variables written	Conditions on msg.sender

supportsInterface	[]	[]
supportsInterface	[]	[]
Function	State variables written	Conditions on msg.sender
supportsInterface	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
Function	State variables written	Conditions on msg.sender
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
supportsInterface	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
Function	State variables written	Conditions on msg.sender
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
supportsInterface	[]	[]
supportsInterface	[]	[]
_msgSender	[]	[]
_msgData	[]	[]
constructor	['_symbol', '_name']	[]
supportsInterface	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
_baseURI	[]	[]
approve	['_tokenApprovals']	[]
getApproved	[]	[]
setApprovalForAll	['_operatorApprovals']	[]
isApprovedForAll	[]	[]
transferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
_safeTransfer	['_tokenApprovals', '_balances', '_owners']	[]
_exists	[]	[]
_isApprovedOrOwner	[]	[]
_safeMint	['_balances', '_owners']	[]
_safeMint	['_balances', '_owners']	[]
_mint	['_balances', '_owners']	[]
_burn	['_tokenApprovals', '_balances', '_owners']	[]
_transfer	['_tokenApprovals', '_balances', '_owners']	[]
_approve	['_tokenApprovals']	[]
_setApprovalForAll	['_operatorApprovals']	[]
_checkOnERC721Received	[]	[]
_beforeTokenTransfer	[]	[]

Contract ERC721URIStorage

Function	State variables written	Conditions on msg.sender
current	[]	[]
increment	[]	[]
decrement	[]	[]
reset	[]	[]
Function	State variables written	Conditions on msg.sender

	toString	[]	[]
	toHexString	[]	[]
	toHexString	[]	[]
slitherConstructorConstantVariables		['_HEX_SYMBOLS']	[]
	Function	State variables written	Conditions on msg.sender
	_msgSender	[]	[]
	_msgData	[]	[]
	Function	State variables written	Conditions on msg.sender
	_msgSender	[]	[]
	_msgData	[]	[]
	constructor	['_owner']	[]
	owner	[]	[]
	renounceOwnership	['_owner']	[]
	transferOwnership	['_owner']	[]
	_transferOwnership	['_owner']	[]
	Function	State variables written	Conditions on msg.sender
	isContract	[]	[]
	sendValue	[]	[]
	functionCall	[]	[]
	functionCall	[]	[]
	functionCallWithValue	[]	[]
	functionCallWithValue	[]	[]
	functionStaticCall	[]	[]
	functionStaticCall	[]	[]
	functionDelegateCall	[]	[]
	functionDelegateCall	[]	[]
	verifyCallResult	[]	[]
	Function	State variables written	Conditions on msg.sender
	onERC721Received	[]	[]
	Function	State variables written	Conditions on msg.sender
	supportsInterface	[]	[]
	Function	State variables written	Conditions on msg.sender
	supportsInterface	[]	[]
	supportsInterface	[]	[]
	Function	State variables written	Conditions on msg.sender
	supportsInterface	[]	[]
	balanceOf	[]	[]
	ownerOf	[]	[]
	safeTransferFrom	[]	[]
	transferFrom	[]	[]
	approve	[]	[]
	getApproved	[]	[]
	setApprovalForAll	[]	[]
	isApprovedForAll	[]	[]
	safeTransferFrom	[]	[]
	Function	State variables written	Conditions on msg.sender
	balanceOf	[]	[]
	ownerOf	[]	[]
	safeTransferFrom	[]	[]
	transferFrom	[]	[]
	approve	[]	[]
	getApproved	[]	[]
	setApprovalForAll	[]	[]
	isApprovedForAll	[]	[]
	safeTransferFrom	[]	[]
	supportsInterface	[]	[]
	name	[]	[]
	symbol	[]	[]
	tokenURI	[]	[]
	Function	State variables written	Conditions on msg.sender
	name	[]	[]
	symbol	[]	[]
	tokenURI	[]	[]
	balanceOf	[]	[]
	ownerOf	[]	[]
	safeTransferFrom	[]	[]
	transferFrom	[]	[]
	approve	[]	[]
	getApproved	[]	[]
	setApprovalForAll	[]	[]
	isApprovedForAll	[]	[]
	safeTransferFrom	[]	[]
	supportsInterface	[]	[]
	supportsInterface	[]	[]
	_msgSender	[]	[]
	_msgData	[]	[]
	constructor	['_symbol', '_name']	[]
	supportsInterface	[]	[]
	balanceOf	[]	[]
	ownerOf	[]	[]
	name	[]	[]
	symbol	[]	[]
	tokenURI	[]	[]

_baseURI	[]	[]
approve	['_tokenApprovals']	[]
getApproved	[]	[]
setApprovalForAll	['_operatorApprovals']	[]
isApprovedForAll	[]	[]
transferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
_safeTransfer	['_tokenApprovals', '_balances', '_owners']	[]
_exists	[]	[]
_isApprovedOrOwner	[]	[]
_safeMint	['_balances', '_owners']	[]
_safeMint	['_balances', '_owners']	[]
_mint	['_balances', '_owners']	[]
_burn	['_tokenApprovals', '_balances', '_owners']	[]
_transfer	['_tokenApprovals', '_balances', '_owners']	[]
approve	['_tokenApprovals']	[]
_setApprovalForAll	['_operatorApprovals']	[]
_checkOnERC721Received	[]	[]
_beforeTokenTransfer	[]	[]
Function	State variables written	Conditions on msg.sender
constructor	['_symbol', '_name']	[]
supportsInterface	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
_baseURI	[]	[]
approve	['_tokenApprovals']	[]
getApproved	[]	[]
setApprovalForAll	['_operatorApprovals']	[]
isApprovedForAll	[]	[]
transferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
_safeTransfer	['_tokenApprovals', '_balances', '_owners']	[]
_exists	[]	[]
_isApprovedOrOwner	[]	[]
_safeMint	['_balances', '_owners']	[]
_safeMint	['_balances', '_owners']	[]
_mint	['_balances', '_owners']	[]
_burn	['_tokenApprovals', '_balances', '_owners']	[]
transfer	['_tokenApprovals', '_balances', '_owners']	[]
_approve	['_tokenApprovals']	[]
_setApprovalForAll	['_operatorApprovals']	[]
_checkOnERC721Received	[]	[]
_beforeTokenTransfer	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
supportsInterface	[]	[]
supportsInterface	[]	[]
_msgSender	[]	[]
_msgData	[]	[]
tokenURI	[]	[]
_setTokenURI	['_tokenURIs']	[]
_burn	['_tokenURIs', '_tokenApprovals', '_balances', '_owners']	[]

Contract TimeSyncNFT

Function	State variables written	Conditions on msg.sender
current	[]	[]
increment	[]	[]
decrement	[]	[]
reset	[]	[]
Function	State variables written	Conditions on msg.sender
toString	[]	[]
toHexString	[]	[]
toHexString	[]	[]
slitherConstructorConstantVariables	['_HEX_SYMBOLS']	[]

Function	State variables written	Conditions on msg.sender
_msgSender	[]	[]
_msgData	[]	[]
Function	State variables written	Conditions on msg.sender
_msgSender	[]	[]
_msgData	[]	[]
constructor	['_owner']	[]
owner	[]	[]
renounceOwnership	['_owner']	[]
transferOwnership	['_owner']	[]
_transferOwnership	['_owner']	[]
Function	State variables written	Conditions on msg.sender
isContract	[]	[]
sendValue	[]	[]
functionCall	[]	[]
functionCall	[]	[]
functionCallWithValue	[]	[]
functionCallWithValue	[]	[]
functionStaticCall	[]	[]
functionStaticCall	[]	[]
functionDelegateCall	[]	[]
functionDelegateCall	[]	[]
verifyCallResult	[]	[]
Function	State variables written	Conditions on msg.sender
onERC721Received	[]	[]
Function	State variables written	Conditions on msg.sender
supportsInterface	[]	[]
Function	State variables written	Conditions on msg.sender
supportsInterface	[]	[]
supportsInterface	[]	[]
Function	State variables written	Conditions on msg.sender
supportsInterface	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
Function	State variables written	Conditions on msg.sender
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
supportsInterface	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
Function	State variables written	Conditions on msg.sender
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
supportsInterface	[]	[]
supportsInterface	[]	[]
_msgSender	[]	[]
_msgData	[]	[]
constructor	['_symbol', '_name']	[]
supportsInterface	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
_baseURI	[]	[]
approve	['_tokenApprovals']	[]
getApproved	[]	[]
setApprovalForAll	['_operatorApprovals']	[]

isApprovedForAll	[]	[]
transferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
_safeTransfer	['_tokenApprovals', '_balances', '_owners']	[]
_exists	[]	[]
_isApprovedOrOwner	[]	[]
_safeMint	['_balances', '_owners']	[]
_safeMint	['_balances', '_owners']	[]
_mint	['_balances', '_owners']	[]
burn	['_tokenApprovals', '_balances', '_owners']	[]
_transfer	['_tokenApprovals', '_balances', '_owners']	[]
approve	['_tokenApprovals']	[]
_setApprovalForAll	['_operatorApprovals']	[]
_checkOnERC721Received	[]	[]
_beforeTokenTransfer	[]	[]
Function	State variables written	Conditions on msg.sender
constructor	['_symbol', '_name']	[]
supportsInterface	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
_baseURI	[]	[]
approve	['_tokenApprovals']	[]
getApproved	[]	[]
setApprovalForAll	['_operatorApprovals']	[]
isApprovedForAll	[]	[]
transferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
_safeTransfer	['_tokenApprovals', '_balances', '_owners']	[]
_exists	[]	[]
_isApprovedOrOwner	[]	[]
_safeMint	['_balances', '_owners']	[]
_safeMint	['_balances', '_owners']	[]
_mint	['_balances', '_owners']	[]
_burn	['_tokenApprovals', '_balances', '_owners']	[]
transfer	['_tokenApprovals', '_balances', '_owners']	[]
_approve	['_tokenApprovals']	[]
_setApprovalForAll	['_operatorApprovals']	[]
_checkOnERC721Received	[]	[]
_beforeTokenTransfer	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
supportsInterface	[]	[]
supportsInterface	[]	[]
_msgSender	[]	[]
_msgData	[]	[]
tokenURI	[]	[]
_setTokenURI	['_tokenURIs']	[]
_burn	['_tokenURIs', '_tokenApprovals', '_balances', '_owners']	[]
Function	State variables written	Conditions on msg.sender
constructor	['_owner']	[]
owner	[]	[]
renounceOwnership	['_owner']	[]
transferOwnership	['_owner']	[]
_transferOwnership	['_owner']	[]
_msgSender	[]	[]
_msgData	[]	[]
tokenURI	[]	[]
_setTokenURI	['_tokenURIs']	[]
_burn	['_tokenURIs', '_tokenApprovals', '_balances', '_owners']	[]
constructor	['_symbol', '_name']	[]
supportsInterface	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
_baseURI	[]	[]
approve	['_tokenApprovals']	[]

getApproved	[]	[]
setApprovalForAll	['_operatorApprovals']	[]
isApprovedForAll	[]	[]
transferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
safeTransferFrom	['_tokenApprovals', '_balances', '_owners']	[]
_safeTransfer	['_tokenApprovals', '_balances', '_owners']	[]
_exists	[]	[]
_isApprovedOrOwner	[]	[]
_safeMint	['_balances', '_owners']	[]
_safeMint	['_balances', '_owners']	[]
_mint	['_balances', '_owners']	[]
burn	['_tokenApprovals', '_balances', '_owners']	[]
_transfer	['_tokenApprovals', '_balances', '_owners']	[]
approve	['_tokenApprovals']	[]
_setApprovalForAll	['_operatorApprovals']	[]
_checkOnERC721Received	[]	[]
_beforeTokenTransfer	[]	[]
name	[]	[]
symbol	[]	[]
tokenURI	[]	[]
balanceOf	[]	[]
ownerOf	[]	[]
safeTransferFrom	[]	[]
transferFrom	[]	[]
approve	[]	[]
getApproved	[]	[]
setApprovalForAll	[]	[]
isApprovedForAll	[]	[]
safeTransferFrom	[]	[]
supportsInterface	[]	[]
supportsInterface	[]	[]
constructor	['_symbol', '_name']	[]
_baseURI	[]	[]
setTokenURI	['_tokenURIs']	[]
safeMint	['_tokenURIs', '_balances', '_owners']	[]
_burn	['_tokenURIs', '_tokenApprovals', '_balances', '_owners']	[]
tokenURI	[]	[]

./files/fady-1652350000.sol analyzed (13 contracts)

Contract Counters

Contract vars: []

Inheritance:: []

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
current(Counters.Counter)	internal	[]	[]	[]	[]	[]
increment(Counters.Counter)	internal	[]	[]	[]	[]	[]
decrement(Counters.Counter)	internal	[]	[]	[]	['require(bool,string)']	[]
reset(Counters.Counter)	internal	[]	[]	[]	[]	[]

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract Strings

Contract vars: ['_HEX_SYMBOLS']

Inheritance:: []

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
toString(uint256)	internal	[]	[]	[]	[]	['new bytes(digits)']
toHexString(uint256)	internal	[]	[]	[]	['toHexString']	[]
toHexString(uint256,uint256)	internal	[]	['_HEX_SYMBOLS']	[]	['require(bool,string)']	['new bytes(2 * length + 2)']
slitherConstructorConstantVariables()	internal	[]	[]	['_HEX_SYMBOLS']	[]	[]

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract Context

Contract vars: []

Inheritance:: []

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
_msgSender()	internal	[]	['msg.sender']	[]	[]	[]
_msgData()	internal	[]	['msg.data']	[]	[]	[]

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract Ownable

Contract vars: ['_owner']

Inheritance:: ['Context']

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
_msgSender()	internal	[]	['msg.sender']	[]	[]	[]
_msgData()	internal	[]	['msg.data']	[]	[]	[]
constructor()	internal	[]	[]	['_msgSender', '_transferOwnership']	[]	[]
owner()	public	[]	['_owner']	[]	[]	[]

renounceOwnership()	public	['onlyOwner']	[]	['[]transferOwnership', 'onlyOwner']	[]
transferOwnership(address)	public	['onlyOwner']	[]	['_transferOwnership', 'require(bool,string)']	[]
				['onlyOwner']	
_transferOwnership(address)	internal	[]	['_owner']	['_owner']	[]

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
onlyOwner()	internal	[]	[]	['_msgSender', 'owner']	[]
				['require(bool,string)']	

Contract Address

Contract vars: []

Inheritance:: []

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
isContract(address)	internal	[]	[]	[]	[]	[]
sendValue(address,uint256)	internal	[]	['this']	['require(bool,string)', 'balance(address)', 'transfer(address,uint256)']		
functionCall(address,bytes)	internal	[]	[]	[]	['functionCall']	[]
functionCall(address,bytes,string)	internal	[]	[]	[]	['functionCallWithValue']	[]
functionCallWithValue(address,bytes,uint256)	internal	[]	[]	[]	['functionCallWithValue']	[]
functionCallWithValue(address,bytes,uint256,string)	internal	[]	['this']	[]	['isContract', 'verifyCallResult', 'target.call{value: value}(data)']	
					['require(bool,string)', 'balance(address)']	
functionStaticCall(address,bytes)	internal	[]	[]	[]	['functionStaticCall']	[]
functionStaticCall(address,bytes,string)	internal	[]	[]	[]	['isContract', 'verifyCallResult']	['target.staticcall(data)']
					['require(bool,string)']	
functionDelegateCall(address,bytes)	internal	[]	[]	[]	['functionDelegateCall']	[]
functionDelegateCall(address,bytes,string)	internal	[]	[]	[]	['isContract', 'verifyCallResult']	['target.delegatecall(data)']
					['require(bool,string)']	
verifyCallResult(bool,bytes,string)	internal	[]	[]	['revert(string)', 'revert(uint256,uint256)']		[]
					['mload(uint256)']	

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract IERC721Receiver

Contract vars: []

Inheritance:: []

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
onERC721Received(address,address,uint256,bytes)	external	[]	[]	[]	[]	[]

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract IERC165

Contract vars: []

Inheritance:: []

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
supportsInterface(bytes4)	external	[]	[]	[]	[]	[]

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract ERC165

Contract vars: []

Inheritance:: ['IERC165']

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
supportsInterface(bytes4)	external	␣	␣	␣	␣	␣
supportsInterface(bytes4)	public	␣	␣	␣	['type0']	␣

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract IERC721

Contract vars: []

Inheritance:: ['IERC165']

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
supportsInterface(bytes4)	external	␣	␣	␣	␣	␣
balanceOf(address)	external	␣	␣	␣	␣	␣
ownerOf(uint256)	external	␣	␣	␣	␣	␣
safeTransferFrom(address,address,uint256)	external	␣	␣	␣	␣	␣
transferFrom(address,address,uint256)	external	␣	␣	␣	␣	␣
approve(address,uint256)	external	␣	␣	␣	␣	␣
getApproved(uint256)	external	␣	␣	␣	␣	␣
setApprovalForAll(address,bool)	external	␣	␣	␣	␣	␣
isApprovedForAll(address,address)	external	␣	␣	␣	␣	␣
safeTransferFrom(address,address,uint256,bytes)	external	␣	␣	␣	␣	␣

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract IERC721Metadata

Contract vars: []

Inheritance:: ['IERC721', 'IERC165']

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
balanceOf(address)	external	␣	␣	␣	␣	␣
ownerOf(uint256)	external	␣	␣	␣	␣	␣
safeTransferFrom(address,address,uint256)	external	␣	␣	␣	␣	␣
transferFrom(address,address,uint256)	external	␣	␣	␣	␣	␣
approve(address,uint256)	external	␣	␣	␣	␣	␣
getApproved(uint256)	external	␣	␣	␣	␣	␣
setApprovalForAll(address,bool)	external	␣	␣	␣	␣	␣
isApprovedForAll(address,address)	external	␣	␣	␣	␣	␣
safeTransferFrom(address,address,uint256,bytes)	external	␣	␣	␣	␣	␣
supportsInterface(bytes4)	external	␣	␣	␣	␣	␣
name()	external	␣	␣	␣	␣	␣
symbol()	external	␣	␣	␣	␣	␣
tokenURI(uint256)	external	␣	␣	␣	␣	␣

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract ERC721

Contract vars: ['_name', '_symbol', '_owners', '_balances', '_tokenApprovals', '_operatorApprovals']

Inheritance:: ['IERC721Metadata', 'IERC721', 'ERC165', 'IERC165', 'Context']

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
name()	external					
symbol()	external					
tokenURI(uint256)	external					
balanceOf(address)	external					
ownerOf(uint256)	external					
safeTransferFrom(address,address,uint256)	external					
transferFrom(address,address,uint256)	external					
approve(address,uint256)	external					
getApproved(uint256)	external					
setApprovalForAll(address,bool)	external					
isApprovedForAll(address,address)	external					
safeTransferFrom(address,address,uint256,bytes)	external					
supportsInterface(bytes4)	external					
supportsInterface(bytes4)	public				['type()']	
_msgSender()	internal		['msg.sender']			
_msgData()	internal		['msg.data']			
constructor(string,string)	public			['_name', '_symbol']		
supportsInterface(bytes4)	public				['supportsInterface', 'type()']	
balanceOf(address)	public		['_balances']		['require(bool,string)']	
ownerOf(uint256)	public		['_owners']		['require(bool,string)']	
name()	public		['_name']			
symbol()	public		['_symbol']			
tokenURI(uint256)	public				['_baseURI', 'tokenURI', 'tokenId.toUint256()']	
					['require(bool,string)', 'exists']	
_baseURI()	internal					
approve(address,uint256)	public				['_ownerOf', 'require(bool,string)', 'IERC721.ownerOf(tokenId)']	
					['_approve', 'isApprovedForAll']	
					['_msgSender']	
getApproved(uint256)	public		['_tokenApprovals']		['require(bool,string)', 'exists']	
setApprovalForAll(address,bool)	public				['_msgSender', '_setApprovalForAll']	
isApprovedForAll(address,address)	public		['_operatorApprovals']			
transferFrom(address,address,uint256)	public				['isApprovedOrOwner', 'transfer']	
					['_msgSender', 'require(bool,string)']	
safeTransferFrom(address,address,uint256)	public				['_safeTransferFrom']	
safeTransferFrom(address,address,uint256,bytes)	public				['isApprovedOrOwner', '_msgSender']	
					['_safeTransfer', 'require(bool,string)']	
_safeTransfer(address,address,uint256,bytes)	internal				['_checkOnERC721Received', '_transfer']	
					['require(bool,string)']	
_exists(uint256)	internal		['_owners']			
_isApprovedOrOwner(address,uint256)	internal				['_ownerOf', 'require(bool,string)', 'IERC721.ownerOf(tokenId)']	
					['_getApproved', '_exists']	
					['_isApprovedForAll']	
_safeMint(address,uint256)	internal				['_safeMint']	
_safeMint(address,uint256,bytes)	internal				['_checkOnERC721Received', '_mint']	
					['require(bool,string)']	
_mint(address,uint256)	internal		['_balances']		['_balanceOf', 'transfer']	
					['_exists']	
_burn(uint256)	internal		['_balances', '_owners']		['_ownerOf', 'require(bool,string)', 'IERC721.ownerOf(tokenId)']	
					['_approve']	
_transfer(address,address,uint256)	internal		['_balances']		['_balanceOf', 'require(bool,string)', 'IERC721.ownerOf(tokenId)']	
					['_approve', 'require(bool,string)']	
_approve(address,uint256)	internal				['_tokenApprovals']	['_ownerOf']
setApprovalForAll(address,address,bool)	internal				['_operatorApprovals']	['_require(bool,string)']
checkOnERC721Received(address,address,uint256,bytes)	internal				['(thisContract instanceof ERC721Receiver) ? ERC721Receiver(thisContract).onERC721Received(_msgSender(), tokenId, _data) : {}']	
_beforeTokenTransfer(address,address,uint256)	internal				['_mload(uint256)', '_msgSender']	

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract ERC721URIStorage

Contract vars: ['_name', '_symbol', '_owners', '_balances', '_tokenApprovals', '_operatorApprovals', '_tokenURIs']

Inheritance:: ['ERC721', 'IERC721Metadata', 'IERC721', 'ERC165', 'IERC165', 'Context']

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
constructor(string,string)	public	[]	[]	['_name', '_symbol']	[]	[]
supportsInterface(bytes4)	public	[]	[]	[]	['type()', 'supportsInterface']	[]
balanceOf(address)	public	[]	['_balances']	[]	['require(bool,string)']	[]
ownerOf(uint256)	public	[]	['_owners']	[]	['require(bool,string)']	[]
name()	public	[]	['_name']	[]	[]	[]
symbol()	public	[]	['_symbol']	[]	[]	[]
tokenURI(uint256)	public	[]	[]	[]	['_baseURI', '_tokenIdCounter', 'abi.encodePacked(baseURI,tokenId.toString())', 'tokenId.toString()']	[]
					['require(bool,string)', 'abi.encodePacked()']	
_baseURI()	internal	[]	[]	[]	[]	[]
approve(address,uint256)	public	[]	[]	[]	['ownerOf', 'approve']	['ERC721.ownerOf(tokenId)']
					['require(bool,string)', 'isApprovedForAll']	
					['_msgSender']	
getApproved(uint256)	public	[]	['_tokenApprovals']	['_exists', 'require(bool,string)']	[]	[]
setApprovalForAll(address,bool)	public	[]	[]	['_setApprovalForAll', '_msgSender']	[]	[]
isApprovedForAll(address,address)	public	[]	['_operatorApprovals']	[]	[]	[]
transferFrom(address,address,uint256)	public	[]	[]	['_msgSender', 'isApprovedOrOwner']	[]	[]
					['require(bool,string)', '_transfer']	
safeTransferFrom(address,address,uint256)	public	[]	[]	[]	['safeTransferFrom']	[]
safeTransferFrom(address,address,uint256,bytes)	public	[]	[]	['_msgSender', 'isApprovedOrOwner']	[]	[]
					['require(bool,string)', '_safeTransfer']	
_safeTransfer(address,address,uint256,bytes)	internal	[]	[]	['_checkOnERC721Received', 'require(bool,string)']	[]	[]
					['_transfer']	
_exists(uint256)	internal	[]	['_owners']	[]	[]	[]
_isApprovedOrOwner(address,uint256)	internal	[]	[]	[]	['ownerOf', 'getApproved']	['ERC721.ownerOf(tokenId)']
					['require(bool,string)', '_exists']	
					['isApprovedForAll']	
_safeMint(address,uint256)	internal	[]	[]	[]	['_safeMint']	[]
_safeMint(address,uint256,bytes)	internal	[]	[]	[]	['require(bool,string)', '_mint']	[]
					['_checkOnERC721Received']	
_mint(address,uint256)	internal	[]	['_balances']	['_balances', '_exists', 'beforeTokenTransfer']	[]	[]
					['require(bool,string)']	
_burn(uint256)	internal	[]	['_balances', '_owners']	['_approve', 'ownerOf']	['ERC721.ownerOf(tokenId)']	
					['_beforeTokenTransfer']	
_transfer(address,address,uint256)	internal	[]	['_balances']	['_balances', '_approve', 'ownerOf']	['ERC721.ownerOf(tokenId)']	
					['_beforeTokenTransfer', 'require(bool,string)']	
_approve(address,uint256)	internal	[]	[]	['_tokenApprovals', 'ownerOf']	['ERC721.ownerOf(tokenId)']	
setApprovalForAll(address,address,bool)	internal	[]	[]	['_operatorApprovals', 'require(bool,string)']	[]	
checkOnERC721Received(address,address,uint256,bytes)	internal	[]	[]	['_isERC721Receiver', 'require(bool,string)', 'abi.encodePacked(baseURI,tokenId.toString())', 'onERC721Received(_msgSender(),fromTokenId)']		
					['_load(uint256)', '_msgSender']	
_beforeTokenTransfer(address,address,uint256)	internal	[]	[]	[]	[]	[]
name()	external	[]	[]	[]	[]	[]
symbol()	external	[]	[]	[]	[]	[]
tokenURI(uint256)	external	[]	[]	[]	[]	[]
balanceOf(address)	external	[]	[]	[]	[]	[]
ownerOf(uint256)	external	[]	[]	[]	[]	[]
safeTransferFrom(address,address,uint256)	external	[]	[]	[]	[]	[]
transferFrom(address,address,uint256)	external	[]	[]	[]	[]	[]
approve(address,uint256)	external	[]	[]	[]	[]	[]
getApproved(uint256)	external	[]	[]	[]	[]	[]
setApprovalForAll(address,bool)	external	[]	[]	[]	[]	[]
isApprovedForAll(address,address)	external	[]	[]	[]	[]	[]
safeTransferFrom(address,address,uint256,bytes)	external	[]	[]	[]	[]	[]
supportsInterface(bytes4)	external	[]	[]	[]	[]	[]
supportsInterface(bytes4)	public	[]	[]	[]	['type()']	[]
_msgSender()	internal	[]	['_msg.sender']	[]	[]	[]
_msgData()	internal	[]	['_msg.data']	[]	[]	[]
tokenURI(uint256)	public	[]	['_tokenURIs']	['require(bool,string)', 'abi.encodePacked(base,_tokenURI)']		
					['tokenURI', '_baseURI']	
					['abi.encodePacked()']	
_setTokenURI(uint256,string)	internal	[]	[]	['_tokenURIs', 'require(bool,string)']	[]	
_burn(uint256)	internal	[]	['_tokenURIs']	['_tokenURIs']	['_burn']	[]

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
#	#	#	#	#	#

Contract TimeSyncNFT

Contract vars: ['_name', '_symbol', '_owners', '_balances', '_tokenApprovals', '_operatorApprovals', '_tokenURIs', '_owner', '_tokenIdCounter']

Inheritance:: ['Ownable', 'ERC721URIStorage', 'ERC721', 'IERC721Metadata', 'IERC721', 'ERC165', 'IERC165', 'Context']

Function	Visibility	Modifiers	Read	Write	Internal Calls	External Calls
constructor()	internal	[]	[]	['_msgSender', '_transferOwnership']	[]	
owner()	public	[]	['_owner']	[]	[]	
renounceOwnership()	public	['onlyOwner']	[]	['_transferOwnership', 'onlyOwner']	[]	
transferOwnership(address)	public	['onlyOwner']	[]	['_transferOwnership', 'onlyOwner']	[]	
				['require(bool,string)']		
_transferOwnership(address)	internal	[]	['_owner']	['_owner']	[]	
_msgSender()	internal	[]	['msg.sender']	[]	[]	
_msgData()	internal	[]	['msg.data']	[]	[]	
tokenURI(uint256)	public	[]	['_tokenURIs']	[]	['_exists', 'tokenURI', 'abi.encodePacked(base, tokenURI)']	
				['require(bool,string)', '_baseURI']		
				['abi.encodePacked()']		
_setTokenURI(uint256,string)	internal	[]	[]	['_tokenURIs', 'require(bool,string)']	[]	
_burn(uint256)	internal	[]	['_tokenURIs']	['_tokenURIs']	['_burn']	
constructor(string,string)	public	[]	[]	['_name', '_symbol']	[]	
supportsInterface(bytes4)	public	[]	[]	['_supportsInterface', 'type()']	[]	
balanceOf(address)	public	[]	['_balances']	[]	['require(bool,string)']	
ownerOf(uint256)	public	[]	['_owners']	[]	['require(bool,string)']	
name()	public	[]	['_name']	[]	[]	
symbol()	public	[]	['_symbol']	[]	[]	
tokenURI(uint256)	public	[]	[]	[]	['_exists', 'abi.encodePacked(baseURI, tokenId.toString()), 'tokenId.toString()']	
				['require(bool,string)', 'abi.encodePacked()']		
baseURI()	internal	[]	[]	[]	[]	
approve(address,uint256)	public	[]	[]	['_approve', 'require(bool,string)']	['ERC721.ownerOf(tokenId)']	
				['_msgSender', 'isApprovedForAll']		
				['ownerOf']		
getApproved(uint256)	public	[]	['_tokenApprovals']	['_exists', 'require(bool,string)']	[]	
setApprovalForAll(address,bool)	public	[]	[]	['_msgSender', '_setApprovalForAll']	[]	
isApprovedForAll(address,address)	public	[]	['_operatorApprovals']	[]	[]	
transferFrom(address,address,uint256)	public	[]	[]	[]	['_msgSender', '_transfer']	
				['require(bool,string)', '_isApprovedOrOwner']		
safeTransferFrom(address,address,uint256)	public	[]	[]	[]	['_safeTransferFrom']	
transferFrom(address,address,uint256,bytes)	public	[]	[]	[]	['_msgSender', '_safeTransfer']	
				['require(bool,string)', '_isApprovedOrOwner']		
safeTransfer(address,address,uint256,bytes)	internal	[]	[]	['_checkOnERC721Received', '_transfer']	[]	
				['require(bool,string)']		
_exists(uint256)	internal	[]	['_owners']	[]	[]	
_isApprovedOrOwner(address,uint256)	internal	[]	[]	['_exists', 'require(bool,string)']	['ERC721.ownerOf(tokenId)']	
				['isApprovedForAll', 'ownerOf']		
				['getApproved']		
_safeMint(address,uint256)	internal	[]	[]	[]	['_safeMint']	
_safeMint(address,uint256,bytes)	internal	[]	[]	['_checkOnERC721Received', '_mint']	[]	
				['require(bool,string)']		
_mint(address,uint256)	internal	[]	['_balances']	['_balances', 'beforeTokenTransfer', 'exists']	[]	
				['require(bool,string)']		
_burn(uint256)	internal	[]	['_balances', 'ownerOf']	['_balances', 'beforeTokenTransfer', 'approve']	['ERC721.ownerOf(tokenId)']	
				['ownerOf']		
_transfer(address,address,uint256)	internal	[]	['_balances']	['_balances', 'beforeTokenTransfer', 'approve']	['ERC721.ownerOf(tokenId)']	
				['require(bool,string)', 'ownerOf']		
_approve(address,uint256)	internal	[]	[]	['_tokenApprovals', 'ownerOf']	['ERC721.ownerOf(tokenId)']	
setApprovalForAll(address,address,bool)	internal	[]	[]	['_operatorApprovals', 'require(bool,string)']	[]	
checkOnERC721Received(address,address,uint256,bytes)	internal	[]	[]	['_msgSender', 'require(bool,string)']	['ERC721.ownerOf(tokenId)']	
				['revert(string)', 'mload(uint256)']		
_beforeTokenTransfer(address,address,uint256)	internal	[]	[]	[]	[]	
name()	external	[]	[]	[]	[]	
symbol()	external	[]	[]	[]	[]	
tokenURI(uint256)	external	[]	[]	[]	[]	
balanceOf(address)	external	[]	[]	[]	[]	
ownerOf(uint256)	external	[]	[]	[]	[]	
safeTransferFrom(address,address,uint256)	external	[]	[]	[]	[]	
transferFrom(address,address,uint256)	external	[]	[]	[]	[]	
approve(address,uint256)	external	[]	[]	[]	[]	
getApproved(uint256)	external	[]	[]	[]	[]	
setApprovalForAll(address,bool)	external	[]	[]	[]	[]	
isApprovedForAll(address,address)	external	[]	[]	[]	[]	
safeTransferFrom(address,address,uint256,bytes)	external	[]	[]	[]	[]	
supportsInterface(bytes4)	external	[]	[]	[]	[]	
supportsInterface(bytes4)	public	[]	[]	[]	['_type()']	
constructor()	public	[]	[]	[]	['_constructor']	
_baseURI()	internal	[]	[]	[]	[]	
setTokenURI(uint256,string)	public	['onlyOwner']	[]	[]	['_setTokenURI', 'onlyOwner']	
safeMint(address,string)	public	['onlyOwner']	['_tokenIdCounter']	[]	['_setTokenURI', 'tokenIdCounter.current()', '_tokenIdCounter.increment()']	
				[]	['_onlyOwner']	
_burn(uint256)	internal	[]	[]	[]	['_burn']	
tokenURI(uint256)	public	[]	[]	[]	['_tokenURI']	

Modifiers	Visibility	Read	Write	Internal Calls	External Calls
onlyOwner()	internal	[]	[]	['_msgSender', 'owner']	[]
				['require(bool,string)']	

./files/fady-1652350000.sol analyzed (13 contracts)

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