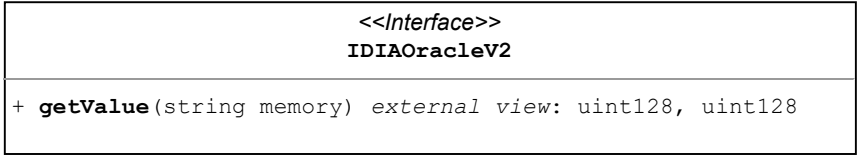

<<Interface>>
IDIAOracleV2
+ getValue(string memory) external view: uint128, uint128

<<Interface>>
INftyLending

- **createLiquidityShop**(string calldata _name, address _erc20, address _nftCollection, uint256 _liquidityAmount, uint256 _interestA, uint256 _interestB, uint256 _interestC, uint256 _maxOffer, bool _automaticApproval, bool _allowRefinancingTerms) *external*
- **liquidityShopCashOut**(uint256 _id) *external*
- **freezeLiquidityShop**(uint256 _id) *external*
- **unfreezeLiquidityShop**(uint256 _id) *external*
- **acceptOffer**(Offer memory _offer, Signature memory _signature) *external*
- **createLoan**(Offer memory _offer) *external*
- **liquidateOverdueLoan**(uint256 _smartNftId) *external*
- **payBackLoan**(uint256 _smartNftId, uint256 _amount) *external*

<<Enum>>
LiquidityShopStatus

- ACTIVE
- FROZEN
- INACTIVE

<<Enum>>
LoanStatus

- ACTIVE
- RESOLVED
- INACTIVE

enums

<<Struct>>
Loan

- **amount**: uint256
- **remainder**: uint256
- **duration**: uint256
- **startTime**: uint256
- **nftCollateralId**: uint256
- **fee**: uint256
- **liquidityShopId**: uint256
- **smartNftId**: uint64
- **platformFees**: PlatformFees
- **status**: LoanStatus

<<Struct>>
LiquidityShop

- **erc20**: address
- **nftCollection**: address
- **owner**: address
- **automaticApproval**: bool
- **allowReFinancingTerms**: bool
- **balance**: uint256
- **maxOffer**: uint256
- **interestA**: uint256
- **interestB**: uint256
- **interestC**: uint256
- **status**: LiquidityShopStatus
- **name**: string

<<Struct>>
Erc20

- **allowed**: bool
- **minimumBasketSize**: uint256
- **minimumPaymentAmount**: uint256

<<Struct>>
WhitelistedErc20

- **addr**: address
- **minBasket**: uint256
- **minPayment**: uint256

<<Struct>>
Nft

- **allowed**: bool
- **image**: string

<<Struct>>
WhitelistedNft

- **addr**: address
- **img**: string

<<Struct>>
PlatformFees

- **lenderPercentage**: uint256
- **platformPercentage**: uint256
- **borrowerPercentage**: uint256

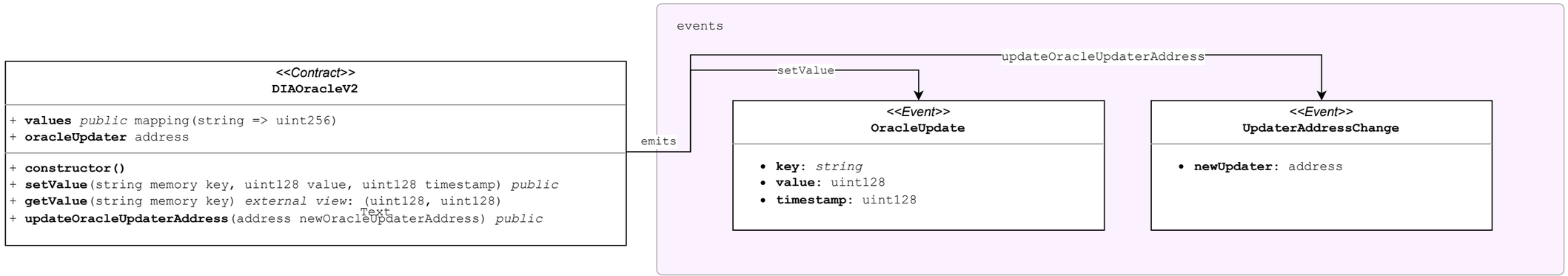
<<Struct>>
Signature

- **nonce**: uint256
- **expiry**: uin256
- **signer**: address
- **signature**: bytes

<<Struct>>
Offer

- **shopId**: uint256
- **nftCollateralId**: uint256
- **loanDuration**: uint256
- **amount**: uin256

structs


<<Contract>>
DIAOracleV2
+ values public mapping(string => uint256)
+ oracleUpdater address
+ constructor()
+ setValue(string memory key, uint128 value, uint128 timestamp) public
+ getValue(string memory key) external view: (uint128, uint128)
+ updateOracleUpdaterAddress(address newOracleUpdaterAddress) public
emits
events
setValue
updateOracleUpdaterAddress
<<Event>>
OracleUpdate
key: string
value: uint128
timestamp: uint128
<<Event>>
UpdaterAddressChange
newUpdater: address

OpenZeppelin contracts, interfaces & abstract contracts

«Interface»
INftyLending

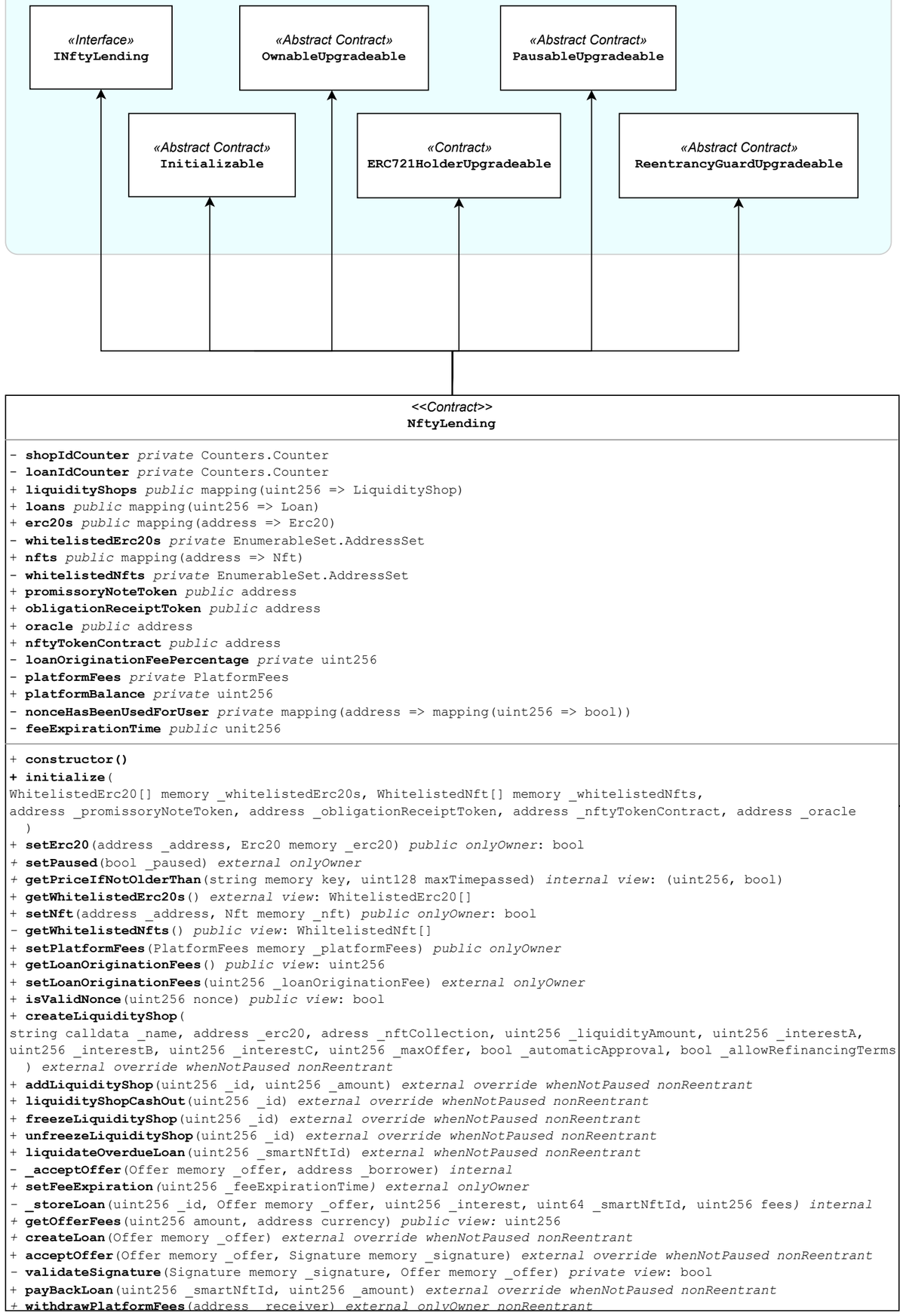
«Abstract Contract»
OwnableUpgradeable

«Abstract Contract»
PausableUpgradeable

«Abstract Contract»
Initializable

«Contract»
ERC721HolderUpgradeable

«Abstract Contract»
ReentrancyGuardUpgradeable



emits

events

<<Event>>
LiquidityShopCreated

- **owner**: address indexed
- **erc20**: address indexed
- **nftCollection**: address indexed
- **interestA**: uint256
- **interestB**: uint256
- **interestC**: uint256
- **maxOffer**: uint256
- **amount**: uint256
- **id**: uint256
- **name**: string
- **automaticApproval**: bool
- **allowRefinancingTerms**: bool

createLiquidityShop

<<Event>>
LiquidityAddedToShop

- **owner**: address *indexed*
- **id**: uint256
- **balance**: uint256
- **liquidityAdded**: uint256

addLiquidityToShop

<<Event>>
LiquidityShopCashOut

- **owner**: address *indexed*
- **id**: uint256
- **cashoutAmount**: uint256

liquidityShopCashOut

<<Event>>
LiquidityShopFrozen

- **owner**: address *indexed*
- **id**: uint256
- **balance**: uint256

freezeLiquidityShop

<<Event>>
LiquidityShopUnfrozen

- **owner**: address *indexed*
- **id**: uint256
- **balance**: uint256

unfreezeLiquidityShop

<<Event>>
OfferAccepted

- **lender**: address *indexed*
- **borrower**: address *indexed*
- **liquidityShopId**: uint256
- **loanId**: uint256
- **uint256**: smartNftId

_acceptOffer

<<Event>>
LiquidatedOverdueLoan

- **promissoryNoteOwner**: address *indexed*
- **liquidityShopId**: uint256
- **loanId**: uint256
- **smartNftId**: uint256
- **nftCollateralId**: uint256

liquidateOverdueLoan

<<Event>>
PaymentMade

- **obligationReceiptOwner**: address *indexed*
- **promissoryNoteOwner**: address *indexed*
- **loanId**: uint256
- **paidAmount**: uint256
- **remainder**: uint256

payBackLoan

<<Event>>
PaidBackLoan

- **obligationReceiptOwner**: address *indexed*
- **promissoryNoteOwner**: address *indexed*
- **liquidityShopId**: uint256
- **loanId**: uint256
- **paidAmount**: uint256
- **borrowerFees**: uint256
- **smartNftId**: uint256
- **nftCollateralId**: uint256

payBackLoan

<<Event>>
Erc20Set

- **addr**: address *indexed*
- **allowed**: bool
- **minimumBasketSize**: uint256
- **minimumPaymentAmount**: uint256

setErc20

<<Event>>
Nft20Set

- **addr**: address *indexed*
- **allowed**: bool
- **image**: string

setNft

<<Event>>
PlatformFeesSet

- **platformFees**: PlatformFees

setPlatformFees

<<Event>>
FeeExpirationSet

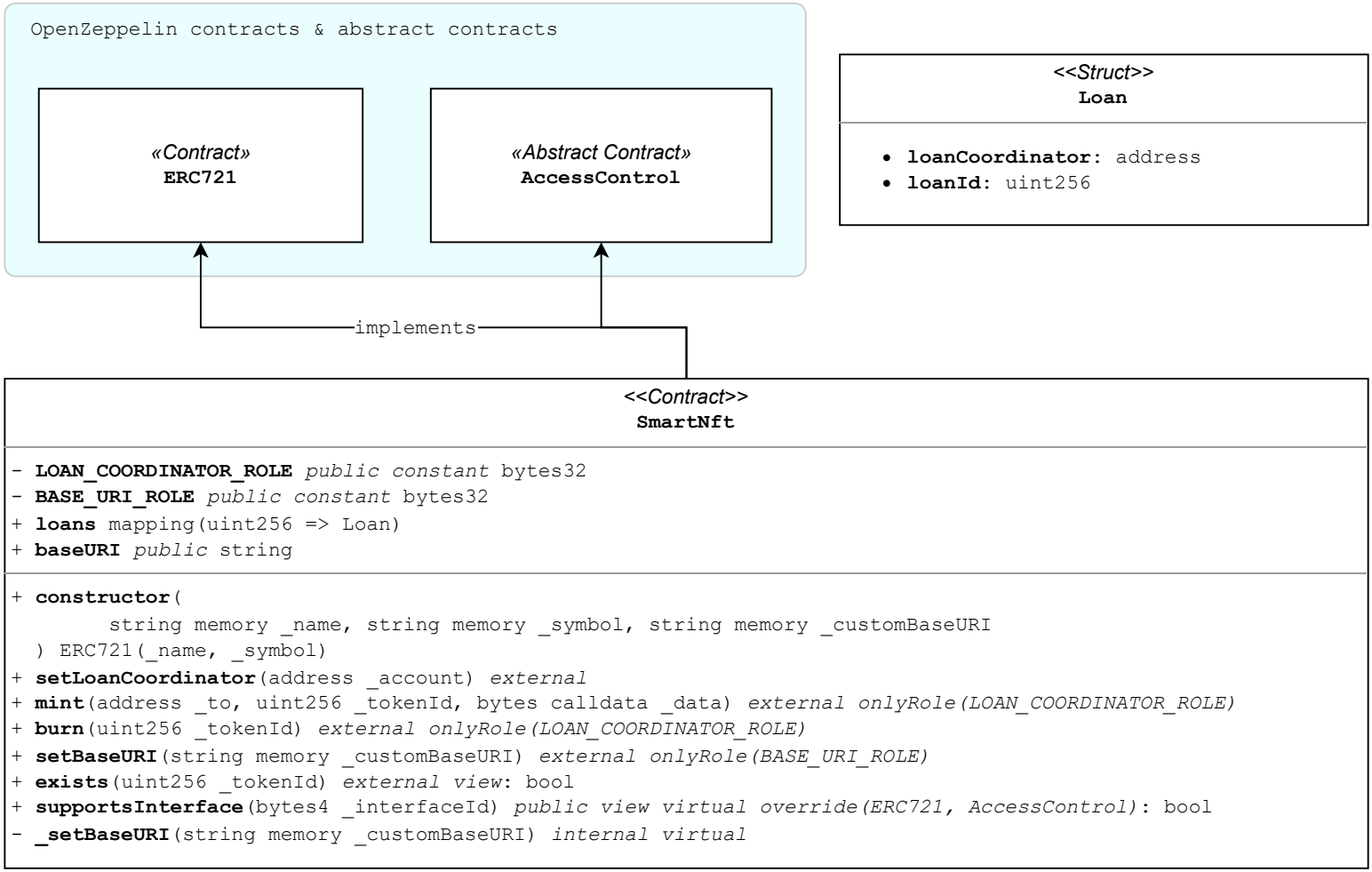
- **feeExpirationTime**: uint256

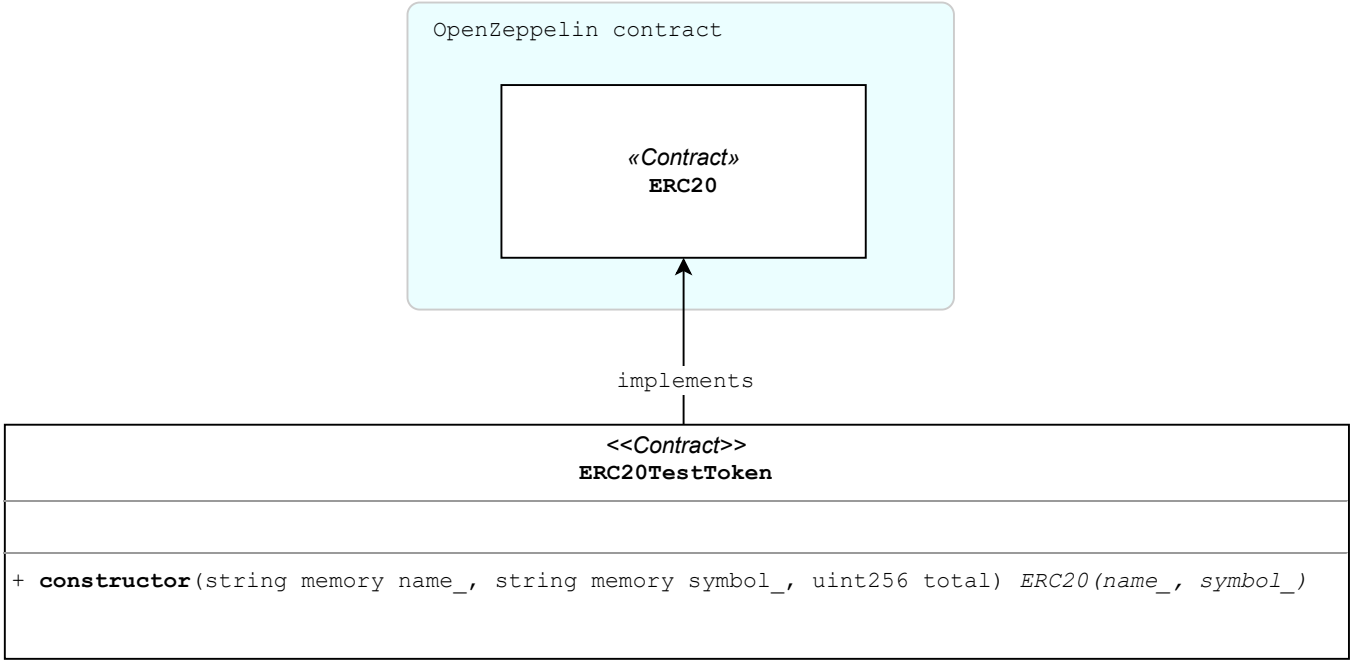
setFeeExpiration

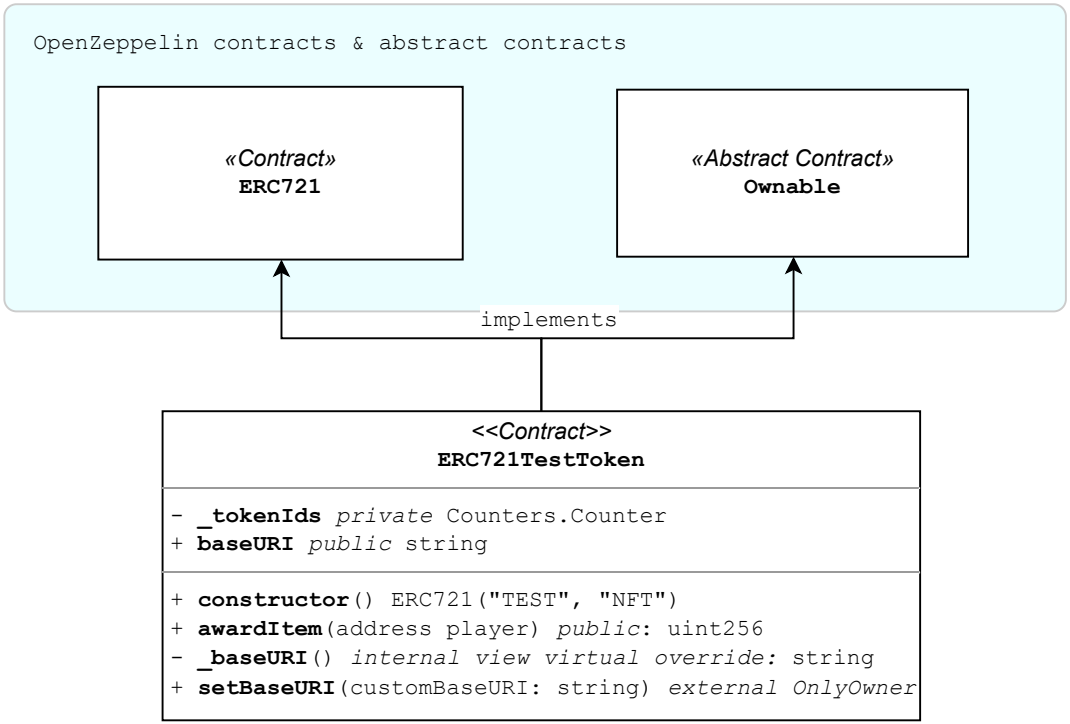
<<Event>>
LoanOriginationFeesSet

- **loanOriginationFee**: uint256

setLoanOriginationFee


OpenZeppelin contracts & abstract contracts
«Contract»
ERC721
«Abstract Contract»
AccessControl
<<Struct>>
Loan
loanCoordinator: address
loanId: uint256
implements
<<Contract>>
SmartNft
- LOAN_COORDINATOR_ROLE public constant bytes32
- BASE_URI_ROLE public constant bytes32
+ loans mapping(uint256 => Loan)
+ baseURI public string
+ constructor(
string memory _name, string memory _symbol, string memory _customBaseURI
) ERC721(_name, _symbol)
+ setLoanCoordinator(address _account) external
+ mint(address _to, uint256 _tokenId, bytes calldata _data) external onlyRole(LOAN_COORDINATOR_ROLE)
+ burn(uint256 _tokenId) external onlyRole(LOAN_COORDINATOR_ROLE)
+ setBaseURI(string memory _customBaseURI) external onlyRole(BASE_URI_ROLE)
+ exists(uint256 _tokenId) external view: bool
+ supportsInterface(bytes4 _interfaceId) public view virtual override(ERC721, AccessControl): bool
- _setBaseURI(string memory _customBaseURI) internal virtual


OpenZeppelin contract
«Contract»
ERC20
implements
<<Contract>>
ERC20TestToken
+ constructor(string memory name_, string memory symbol_, uint256 total) ERC20(name_, symbol_)


OpenZeppelin contracts & abstract contracts
«Contract»
ERC721
«Abstract Contract»
Ownable
implements
<<Contract>>
ERC721TestToken
- _tokenIds private Counters.Counter
+ baseURI public string
+ constructor() ERC721("TEST", "NFT")
+ awardItem(address player) public: uint256
- _baseURI() internal view virtual override: string
+ setBaseURI(customBaseURI: string) external OnlyOwner