

1. Registration Smart Contract

Function Registration.ManufactureRegistration(address) (Registration.sol#37-42) is not in mixedCase
Function Registration.CenterRegistration(address) (Registration.sol#44-49) is not in mixedCase
Function Registration.AgencyRegistration(address) (Registration.sol#51-56) is not in mixedCase
Function Registration.CustomerRegistration(address) (Registration.sol#58-63) is not in mixedCase
Variable Registration.FDA (Registration.sol#8) is not in mixedCase
Variable Registration.Manufacture (Registration.sol#10) is not in mixedCase
Variable Registration.Refurbishment_Center (Registration.sol#11) is not in mixedCase
Variable Registration.Certificate_Agency (Registration.sol#12) is not in mixedCase
Variable Registration.Customer (Registration.sol#13) is not in mixedCase
Variable Registration.AllEntities (Registration.sol#15) is not in mixedCase
Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions>
INFO:Slither:Registration.sol analyzed (1 contracts with 85 detectors), 10 result(s) found

2. Trading Smart Contract

INFO:Detectors:

Trading.transfer(address,uint256) (Trading.sol#429-433) sends eth to arbitrary user

Dangerous calls:

- (success) = _to.call{value: _amount}() (Trading.sol#431)

Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#functions-that-send-ether-to-arbitrary-destinations>

INFO:Detectors:

Reentrancy in Trading.recievedEquipment(uint256) (Trading.sol#453-461):

External calls:

- transfer(owner,reductionPrice) (Trading.sol#459)
 - (success) = _to.call{value: _amount}() (Trading.sol#431)
- transfer(adr,SD_Price - reductionPrice) (Trading.sol#460)
 - (success) = _to.call{value: _amount}() (Trading.sol#431)

State variables written after the call(s):

- transfer(adr,SD_Price - reductionPrice) (Trading.sol#460)
 - _status = _NOT_ENTERED (Trading.sol#70)
 - _status = _ENTERED (Trading.sol#64)

ReentrancyGuard._status (Trading.sol#40) can be used in cross function reentrancies:

- ReentrancyGuard._nonReentrantAfter() (Trading.sol#67-71)
- ReentrancyGuard._nonReentrantBefore() (Trading.sol#59-65)

Reentrancy in Trading.returnPurchaseRequests() (Trading.sol#338-348):

External calls:

- transfer(adr,amt) (Trading.sol#346)
 - (success) = _to.call{value: _amount}() (Trading.sol#431)

State variables written after the call(s):

- listOfCustomers[i].customer = address(0) (Trading.sol#344)

Trading.listofCustomers (Trading.sol#272) can be used in cross function reentrancies:

- Trading.listofCustomers (Trading.sol#272)
- Trading.returnPurchaseRequests() (Trading.sol#338-348)
- listOfCustomers[i].amount = 0 (Trading.sol#345)

Trading.listofCustomers (Trading.sol#272) can be used in cross function reentrancies:

- Trading.listofCustomers (Trading.sol#272)
- Trading.returnPurchaseRequests() (Trading.sol#338-348)

Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#reentrancy-vulnerabilities>

INFO:Detectors:

Function Registration.ManufactureRegistration(address) (Trading.sol#206-211) is not in mixedCase
Function Registration.CenterRegistration(address) (Trading.sol#213-218) is not in mixedCase
Function Registration.AgencyRegistration(address) (Trading.sol#220-225) is not in mixedCase
Function Registration.CustomerRegistration(address) (Trading.sol#227-232) is not in mixedCase
Variable Registration.FDA (Trading.sol#177) is not in mixedCase
Variable Registration.Manufacture (Trading.sol#179) is not in mixedCase
Variable Registration.Refurbishment_Center (Trading.sol#180) is not in mixedCase
Variable Registration.Certificate_Agency (Trading.sol#181) is not in mixedCase
Variable Registration.Customer (Trading.sol#182) is not in mixedCase
Variable Registration.AllEntities (Trading.sol#184) is not in mixedCase
Struct Trading.requesters (Trading.sol#266-269) is not in CapWords
Event TradingcertRequested(address,string) (Trading.sol#282) is not in CapWords
Event TradingdeviceAvailable(address,string,string,string,uint256,uint256,uint256) (Trading.sol#283) is not in CapWords
Event TradingnewPurchaseRequest(address,string,string) (Trading.sol#284) is not in CapWords
Event TradingendTimer(string) (Trading.sol#285) is not in CapWords
Event TradingpurchaseRequestAccepted(address,string,string,uint256) (Trading.sol#286) is not in CapWords
Event TradingauctionStarted(address,string,string,string,uint256,uint256) (Trading.sol#287) is not in CapWords
Event TradingnewBidPlaced(address,string,uint256,string) (Trading.sol#288) is not in CapWords
Event TradingauctionEnded(address,string,string,address,uint256) (Trading.sol#289) is not in CapWords
Event TradingnewRentRequest(address,string,uint256) (Trading.sol#290) is not in CapWords
Event TradingrentRequestAccepted(address,string,string,uint256) (Trading.sol#291) is not in CapWords
Parameter Trading.setCertHash(string).CertHash (Trading.sol#312) is not in mixedCase
Parameter Trading.setDeviceHash(string).CertHash (Trading.sol#316) is not in mixedCase
Parameter Trading.offerForSale(uint256,uint256,uint256)._price (Trading.sol#320) is not in mixedCase
Parameter Trading.offerForSale(uint256,uint256,uint256)._rentPrice (Trading.sol#320) is not in mixedCase
Parameter Trading.offerForSale(uint256,uint256,uint256)._sdPrice (Trading.sol#320) is not in mixedCase
Function Trading._purchaseRequestAccepted() (Trading.sol#385-395) is not in mixedCase
Parameter Trading.transfer(address,uint256)._to (Trading.sol#429) is not in mixedCase
Parameter Trading.transfer(address,uint256)._amount (Trading.sol#429) is not in mixedCase
Parameter Trading.rentRequest(uint256)._rentDuration (Trading.sol#435) is not in mixedCase
Function Trading._rentRequestAccepted() (Trading.sol#445-451) is not in mixedCase
Variable Trading.RContract (Trading.sol#246) is not in mixedCase
Variable Trading.SD_Price (Trading.sol#257) is not in mixedCase
Variable Trading.Duration (Trading.sol#258) is not in mixedCase
Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions>
INFO:Slither:Trading.sol analyzed (6 contracts with 85 detectors), 37 result(s) found

3. Reputation Smart Contract

INFO:Detectors:

Function Registration.ManufactureRegistration(address) (Reputation.sol#41-46) is not in mixedCase
Function Registration.CenterRegistration(address) (Reputation.sol#48-53) is not in mixedCase
Function Registration.AgencyRegistration(address) (Reputation.sol#55-60) is not in mixedCase
Function Registration.CustomerRegistration(address) (Reputation.sol#62-67) is not in mixedCase
Variable Registration.FDA (Reputation.sol#12) is not in mixedCase
Variable Registration.Manufacture (Reputation.sol#14) is not in mixedCase
Variable Registration.Refurbishment_Center (Reputation.sol#15) is not in mixedCase
Variable Registration.Certificate_Agency (Reputation.sol#16) is not in mixedCase
Variable Registration.Customer (Reputation.sol#17) is not in mixedCase
Variable Registration.AllEntities (Reputation.sol#19) is not in mixedCase
Variable Reputation.RContract (Reputation.sol#80) is not in mixedCase
Variable Reputation.Rep (Reputation.sol#90) is not in mixedCase
Reference: <https://github.com/crytic/slither/wiki/Detector-Documentation#conformance-to-solidity-naming-conventions>
INFO:Slither:Reputation.sol analyzed (2 contracts with 85 detectors), 12 result(s) found