

Advanced Manual Smart Contract Audit



Project: Football Move

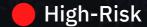
Website: https://footballmove.io/



4 low-risk code issues found



1 medium-risk code issues found



0 high-risk code issues found

Contract Address

0x1F461B82234b70b44780bb21C8D97456161EBCD7

Disclaimer: Coinsult is not responsible for any financial losses. Nothing in this contract audit is financial advice, please do your own research.

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Coinsult is not responsible if a project turns out to be a scam, rug-pull or honeypot. We only provide a detailed analysis for your own research.

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Tokenomics

Rank	Address	Quantity (Token)	Percentage
1	Null Address: 0x000dEaD	25,000,000	50.0000%
2	0xc57235cf7cc2ecd029355d19b0f11a0f64efddce	12,500,355	25.0007%
3	0x407993575c91ce7643a4d4ccacc9a98c36ee1bbe	12,499,645	24.9993%

Source Code

Coinsult was comissioned by Football Move to perform an audit based on the following smart contract:

https://bscscan.com/address/0x1F461B82234b70b44780bb21C8D97456161EBCD7#code

✓ Ownership Renounced Jun-08-2022 07:59:37 AM +UTC

https://bscscan.com/tx/0x1b89a45c448dd64477684f829608422ac9a870e3111c59e58a

Manual Code Review

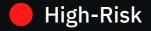
In this audit report we will highlight all these issues:



4 low-risk code issues found



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The detailed report continues on the next page...

Avoid relying on block.timestamp

block.timestamp can be manipulated by miners.

```
function _transfer(
   address sender,
   address receiver,
   uint256 amount
) internal virtual override {
   require(
      receiver != address(this),
      string("No transfers to contract allowed.")
);

   require(!isBlacklist[sender], "User blacklisted");

   uint256 taxAmount = 0;

   if (liquidityPool[sender] == true) {
      //It's an LP Pair and it's a buy
      taxAmount = (amount * buyTax) / MAX_PERCENT;
} else if (liquidityPool[receiver] == true) {
      //It's an LP Pair and it's a sell
      taxAmount = (amount * sellTax) / MAX_PERCENT;

   uint256 transactionTime = block.timestamp:
```

Recommendation

Do not use block.timestamp, now or blockhash as a source of randomness

Exploit scenario

```
contract Game {
    uint reward_determining_number;
    function guessing() external{
        reward_determining_number = uint256(block.blockhash(10000)) % 10;
    }
}
```

Eve is a miner. Eve calls guessing and re-orders the block containing the transaction. As a result, Eve wins the game.

No zero address validation for some functions

Detect missing zero address validation.

```
function setMarketingPool(address _marketingPool) external onlyOwner {
  marketingPool = _marketingPool;
  emit ChangeMarketingPool(_marketingPool);
}
```

Recommendation

Check that the new address is not zero.

Exploit scenario

```
contract C {

modifier onlyAdmin {
   if (msg.sender != owner) throw;
   _;
  }

function updateOwner(address newOwner) onlyAdmin external {
   owner = newOwner;
  }
}
```

Bob calls updateOwner without specifying the newOwner, soBob loses ownership of the contract.

Conformance to Solidity naming conventions

Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

```
function setBlacklist(address _wallet, bool _status) external onlyOwner {
  isBlacklist[_wallet] = _status;
  emit ChangeBlacklist(_wallet, _status);
}
```

Recommendation

Follow the Solidity naming convention.

Rule exceptions

- Allow constant variable name/symbol/decimals to be lowercase (ERC20).
- Allow _ at the beginning of the mixed_case match for private variables and unused parameters.

Redundant Statements

Detect the usage of redundant statements that have no effect.

```
function _msgData() internal view returns (bytes memory) {
  this;
  return msg.data;
}
```

Recommendation

Remove redundant statements if they congest code but offer no value.

Exploit scenario

```
contract RedundantStatementsContract {
    constructor() public {
        uint; // Elementary Type Name
        bool; // Elementary Type Name
        RedundantStatementsContract; // Identifier
    }
    function test() public returns (uint) {
        uint; // Elementary Type Name
        assert; // Identifier
        test; // Identifier
        return 777;
    }
}
```

Each commented line references types/identifiers, but performs no action with them, so no code will be generated for such statements and they can be removed.

Medium-Risk: Should be fixed, could bring problems.

double variable type specification

```
require(
  receiver != address(this),
  string("No transfers to contract allowed.")
);
```

Recommendation

Leave out the string() type specification

Owner privileges

- Owner cannot set fees higher than 25%
- Owner cannot pause trading
- Owner cannot change max transaction amount
- Owner can exclude from fees
- Owner can blacklist addresses
- ⚠ Owner can set trade cooldown
- ✓ Ownership Renounced Jun-08-2022 07:59:37 AM +UTC

https://bscscan.com/tx/0x1b89a45c448dd64477684f829608422ac9a870e3111c59

Extra notes by the team

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Contract Snapshot

```
contract SuperToken is BEP20Detailed, BEP20 {
    uint256 constant private MAX_PERCENT = 100;

mapping(address => bool) private isBlacklist;
mapping(address => bool) private liquidityPool;
mapping(address => bool) private whitelistTax;
mapping(address => uint256) private lastTrade;

uint8 private buyTax;
uint8 private sellTax;
uint8 private tradeCooldown;
uint8 private transferTax;
//uint256 private taxAmount;
```

Website Review

Coinsult checks the website completely manually and looks for visual, technical and textual errors. We also look at the security, speed and accessibility of the website. In short, a complete check to see if the website meets the current standard of the web development industry.



- Mobile Friendly
- Does not contain jQuery errors
- SSL Secured
- No major spelling errors

Project Overview

Not KYC verified by Coinsult

Football Move

Audited by Coinsult.net



Date: 4 June 2022

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