Coinsult

Advanced Manual Smart Contract Audit

Project: MetaFarmer Game

Website: https://metafarmergame.com/

● Low-Risk	● Medium-Risk	● High-Risk
2 low-risk code issues found	0 medium-risk code issues found	0 high-risk code issues found

Contract Address

0xD858f2361FC7290290F926697388d612edA632bB

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	0x41cad05ca8e6fb43047fe1d5ec523d1de9598c8b	1,000,000,000	100.0000%

Source Code

Coinsult was comissioned by MetaFarmer Game to perform an audit based on the following smart contract:

https://bscscan.com/address/0xD858f2361FC7290290F926697388d612edA632bB#code

Manual Code Review

In this audit report we will highlight all these issues:

🟢 Low-Risk

2 low-risk code issues found

🟡 Medium-Risk

0 medium-risk code issues found

🔴 High-Risk

0 high-risk code issues found

The detailed report continues on the next page...

🟢 **Low-Risk:** Could be fixed, will not bring problems.

Missing events arithmetic

Detect missing events for critical arithmetic parameters.

```
/**
 * @dev 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.
 */
function renounceOwnership() public virtual onlyOwner {
    _setOwner(address(0));
}
```

Recommendation

Emit an event for critical parameter changes.

Exploit scenario

```
contract C {

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

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

`updateOwner()` has no event, so it is difficult to track off-chain changes in the buy price.

🟢 **Low-Risk:** Could be fixed, will not bring problems.

Redundant Statements

Detect the usage of redundant statements that have no effect.

```
// import "@openzeppelin/contracts/token/ERC20/IERC20.sol";
// import "@openzeppelin/contracts/access/Ownable.sol";
// import "@openzeppelin/contracts/utils/math/SafeMath.sol";
// import "contracts/BaseToken.sol";
```

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.

Owner privileges

- 🟢 Owner cannot set fees higher than 25%
- 🟢 Owner cannot pause trading
- 🟢 Owner cannot change max transaction amount

Extra notes by the team

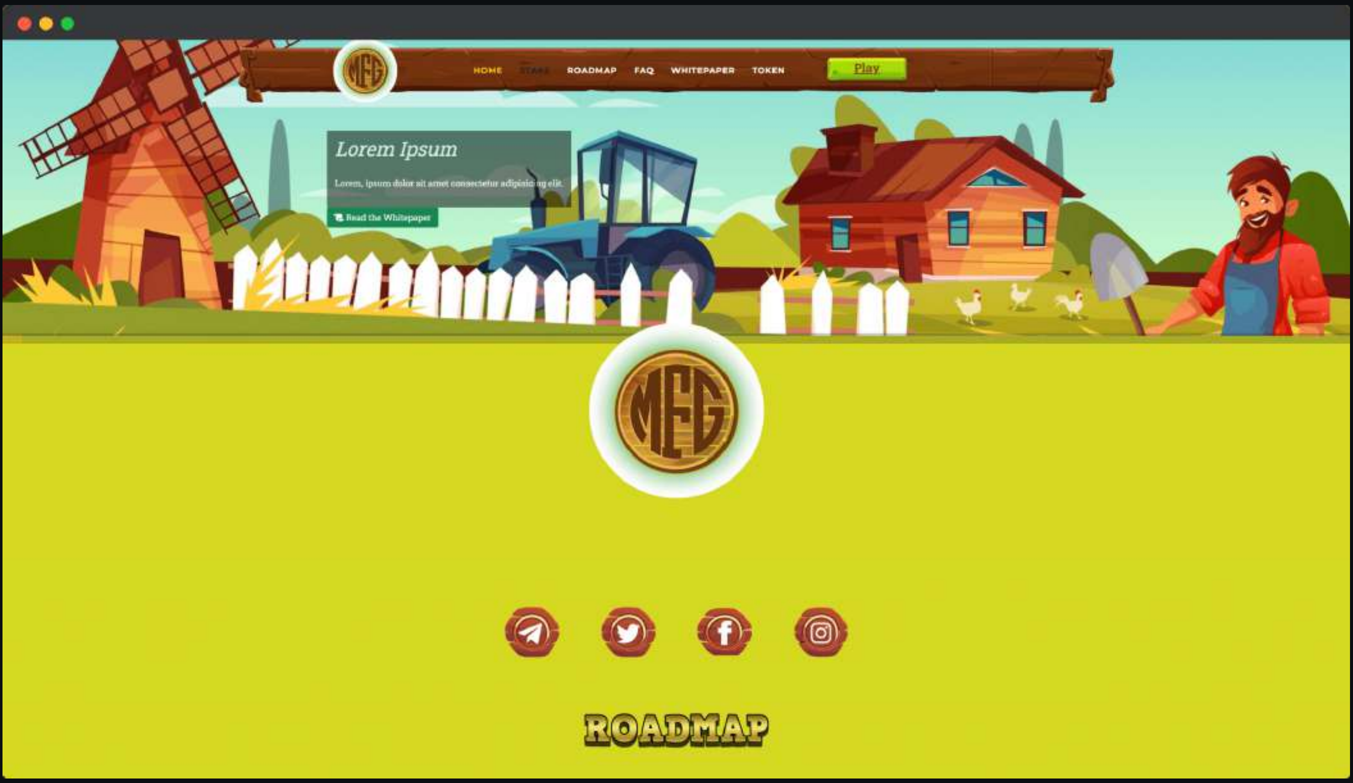
No notes

Contract Snapshot

```
contract StandardToken is IERC20, Ownable, BaseToken {
using SafeMath for uint256;

uint256 public constant VERSION = 1;

mapping(address =&gt; uint256) private _balances;
mapping(address =&gt; mapping(address =&gt; uint256)) private _allowances;

string private _name;
string private _symbol;
uint8 private _decimals;
uint256 private _totalSupply;

constructor(
    string memory name_,
    string memory symbol_,
    uint8 decimals_,
    uint256 totalSupply_,
    address serviceFeeReceiver_,
    uint256 serviceFee_
) payable {
    _name = name_;
    _symbol = symbol_;
    _decimals = decimals_;
    _mint(owner(), totalSupply_);

    emit TokenCreated(owner(), address(this), TokenType.standard, VERSION);

    payable(serviceFeeReceiver_).transfer(serviceFee_);
}

/**
 * @dev Returns the name of the token.
 */
function name() public view virtual returns (string memory) {
    return _name;
}
```

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.



Lorem Ipsum

Lorem, ipsum dolor sit amet consectetur adipisicing elit.

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

Note:

There is a large amount of lorem ipsum text.

Project Overview

● Not KYC verified by Coinsult