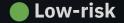


Advanced Manual Smart Contract Audit



Project: MetaCourse

Website: https://www.metacoursetoken.com



7 low-risk code issues found

Medium-risk

0 medium-risk code issues found

High-risk

0 high-risk code issues found

Contract address

0x5466B664a8B18A4545b15d41D01BaDA764c918dB

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

Disclaimer

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.

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

The information provided in this audit is for informational purposes only and should not be considered investment advice. Coinsult does not endorse, recommend, support or suggest to invest in any project.

Coinsult checks the contract for coding issues, we do not guarantee the use case of the code. We do not check the logic of the functions and if they are used for what they were intended to be used for.

Coinsult can not be held responsible for when a project turns out to be a rug-pull, honeypot or scam.

Tokenomics

| Rank | Address | Quantity (Token) | Percentage |
|------|--|---------------------------------------|------------|
| 1 | Null Address: 0x000dEaD | 6,000,000,000,000,000 | 60.0000% |
| 2 | 0x567cbbfa47859c20759b6d940c601c962cc9853c | 300,000,000,000,000 | 3.0000% |
| 3 | 0x0da912bfbba86766af34a0b4b84e8f8a4f5be779 | 293,456,005,001,336.26461505088282593 | 2.9346% |
| 4 | PancakeSwap V2: COURSE | 292,226,655,505,475.34816152460861009 | 2.9223% |
| 5 | 0xac03cc9b72c2754a8fdf56195c81cf7dddbc0dff | 211,278,602,807,231.4346230332365099 | 2.1128% |
| 6 | 0x7161a729f02010c077a441c57c89925954a2a31b | 200,000,071,844,839.19959811391219834 | 2.0000% |
| 7 | 0xfde6ccb8e7d2483e23c0c54098094b1398c6f5e4 | 200,000,071,844,839.19959811391219834 | 2.0000% |
| 8 | 0x17e5371003d2eb35569c891fc7c82fa2e2a4cec9 | 200,000,015,965,519.82213291420271074 | 2.0000% |
| 9 | 0xc3f5b24ba184d8da5b87614eca82026ccb860518 | 200,000,015,965,519.82213291420271074 | 2.0000% |
| 10 | 0x58618f88d5d2dd68a416ca175af7ec2b10a8f4bc | 200,000,000,000,000 | 2.0000% |

Source code

Coinsult was commissioned by MetaCourse to perform an audit based on the following smart contract:

https://bscscan.com/address/0x5466B664a8B18A4545b15d41D01BaDA764c918dB#code

Manual Code Review

Low-risk

7 low-risk code issues found. Could be fixed, will not bring problems.

- Literals with many digits are difficult to read and review.

Recommendation: Use Ether suffix, Time suffix, or The scientific notation

```
uint256 private _tTotal = 1000000000000000 * 10**17;
```

- Missing events for critical arithmetic parameters Emit an event for critical parameter changes.

```
function setNumTokensSellToAddToLiquidity(uint256 newAmt, uint256

decimal) external onlyOwner() {
        numTokensSellToAddToLiquidity = newAmt*10**decimal;
    }

    function setMaxTxAmount(uint256 maxTxAmount, uint256 decimal)

external onlyOwner() {
        require(maxTxAmount > 0, "Cannot set transaction amount as

zero");
        _maxTxAmount = maxTxAmount * 10**decimal;
}
```

No zero address validation
 Check that the new address is not the zero address.

 Contract contains Reentrancy vulnerabilities: transferWithTaxes(address,address,uint256)

```
function transfer(
        uint256 contractTokenBalance = balanceOf(address(this));
numTokensSellToAddToLiquidity;
            overMinTokenBalance &&
            !inSwapAndLiquify &&
            from != uniswapV2Pair &&
            swapAndLiquify(contractTokenBalance);
```

Costly operations inside a loop
 Use a local variable to hold the loop computation result.

- Unused return

Ensure that all the return values of the function calls are used.

Remove commented code Remove commented code for better readability and optimization of the contract

```
function sendValue(address payable recipient, uint256 amount)
CCTS balance");
have reverted");
```

Medium-risk

0 medium-risk code issues found. Should be fixed, could bring problems.

High-risk

O high-risk code issues found Must be fixed, and will bring problems.

Extra notes by the team

- Owner can not change the buy and sell fees
- Owner can exclude from fees
- Owner can set max transaction amount without a limit

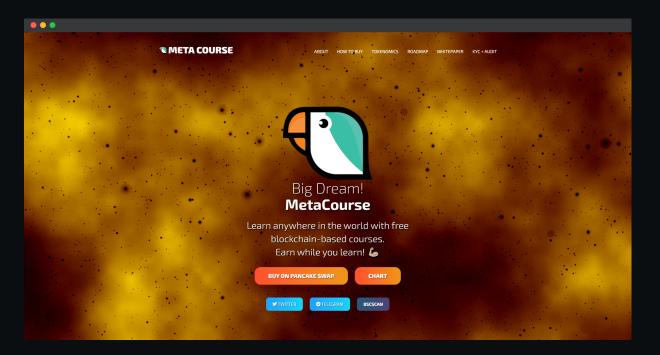
```
function setMaxTxAmount(uint256 maxTxAmount, uint256 decimal)
external onlyOwner() {
        require(maxTxAmount > 0, "Cannot set transaction amount as
zero");
        _maxTxAmount = maxTxAmount * 10**decimal;
}
```

The ownership of the contract isn't renounced

Contract Snapshot

```
contract METACOURSE is Context, IERC20, Ownable {
   using Address for address;
allowances;
   mapping (address => bool) private isExcludedFromFee;
   address[] private excluded;
   string private symbol = "COURSE";
   uint256 public taxFee = 2;
   uint256 public marketingFee = 4;
   uint256 public burnFee = 0;
   uint256 private _previousTaxFee = _taxFee;
   uint256 private _previousLiquidityFee = _liquidityFee;
   uint256 private previousBurnFee = burnFee;
```

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
- Contains no jQuery errors
- SSL Secured
- No major spelling errors

Loading speed: 88%

Rug-pull Review

Based on the available information analyzed by us, we come to the following conclusions:

- Locked Liquidity
- No large unlocked wallets
- Doxxed Team (KYC at Coinsult)

Honeypot Review

Based on the available information analyzed by us, we come to the following conclusions:

- Ability to sell
- Owner is not able to pause the contract

Note: Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by the project owner.