



DreamPad Capital Smart Contract Audit Report

TABLE OF CONTENTS

[Audited Details](#)

- Audited Project
- Blockchain
- Addresses
- Project Website
- Codebase

[Summary](#)

- Contract Summary
- Audit Findings Summary
- Vulnerabilities Summary

[Conclusion](#)

[Audit Results](#)

[Smart Contract Analysis](#)

- Detected Vulnerabilities

[Disclaimer](#)

[About Us](#)

AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain
DreamPad Capital	DreamPad	Binance Smart Chain

Addresses

Contract address	0x3735f21175fF2292f3b05E105852E8EE90B36aF9
Contract deployer address	0x776E6674949f1654D60DB255037a662691866afe

Project Website

<https://dreampad.capital/>

Codebase

<https://bscscan.com/address/0x3735f21175fF2292f3b05E105852E8EE90B36aF9#code>

SUMMARY

a very fresh perspective and a project that offers incentives to all in one way or another. DreamPad Capital has developed unique farming as a Service (FaaS) along with options to Stake and earn BNB. DreamPad is offering a 0% Tax opportunity for its early investors to make the most of this project we've developed.

Contract Summary

Documentation Quality

DreamPad Capital provides a very good documentation with standard of solidity base code.

- The technical description is provided clearly and structured and also dont have any high risk issue.

Code Quality

The Overall quality of the basecode is standard.

- Standard solidity basecode and rules are already followed by DreamPad Capital with the discovery of several low issues.

Test Coverage

Test coverage of the project is 100% (Through Codebase)

Audit Findings Summary

- SWC-101 | It is recommended to use vetted safe math libraries for arithmetic operations consistently on lines 793, 793, 801, 801, 801, 803, 803, 944, 957, 970, 1029, 1032, 1044, 1044, 1046, 1046, 1049, 1049, 1051, 1051, 1109, 1109, 1109, 1110, 1110, 1110, 1111, 1111, 1111, 1111, 1112, 1112, 1112, 1127, 1129, 1140, 1140, 1141, 1146, 1173, 1195, 1195 and 1195.
- SWC-110 SWC-123 | It is recommended to use of revert(), assert(), and require() in Solidity, and the new REVERT opcode in the EVM on lines 1066 and 1067.

CONCLUSION

We have audited the DreamPad Capital project released on February 2023 to discover issues and identify potential security vulnerabilities in DreamPad Capital Project. This process is used to find technical issues and security loopholes which might be found in the smart contract.

The security audit report provides a satisfactory result with some low-risk issues.

The issues found in the DreamPad Capital smart contract code do not pose a considerable risk. The writing of the contract is close to the standard of writing contracts in general. The low-risk issues found are some arithmetic operation issues, and out of bounds array access which the index access expression can cause an exception in case of the use of an invalid array index value.

AUDIT RESULT

Article	Category	Description	Result
Default Visibility	SWC-100 SWC-108	Functions and state variables visibility should be set explicitly. Visibility levels should be specified consciously.	PASS
Integer Overflow and Underflow	SWC-101	If unchecked math is used, all math operations should be safe from overflows and underflows.	ISSUE FOUND
Outdated Compiler Version	SWC-102	It is recommended to use a recent version of the Solidity compiler.	PASS
Floating Pragma	SWC-103	Contracts should be deployed with the same compiler version and flags that they have been tested thoroughly.	PASS
Unchecked Call Return Value	SWC-104	The return value of a message call should be checked.	PASS
Unprotected Ether Withdrawal	SWC-105	Due to missing or insufficient access controls, malicious parties can withdraw from the contract.	PASS
SELFDESTRUCT Instruction	SWC-106	The contract should not be self-destructible while it has funds belonging to users.	PASS
Reentrancy	SWC-107	Check effect interaction pattern should be followed if the code performs recursive call.	PASS
Uninitialized Storage Pointer	SWC-109	Uninitialized local storage variables can point to unexpected storage locations in the contract.	PASS
Assert Violation	SWC-110 SWC-123	Properly functioning code should never reach a failing assert statement.	ISSUE FOUND
Deprecated Solidity Functions	SWC-111	Deprecated built-in functions should never be used.	PASS
Delegate call to Untrusted Callee	SWC-112	Delegatecalls should only be allowed to trusted addresses.	PASS

DoS (Denial of Service)	SWC-113 SWC-128	Execution of the code should never be blocked by a specific contract state unless required.	PASS
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	PASS
Authorization through tx.origin	SWC-115	tx.origin should not be used for authorization.	PASS
Block values as a proxy for time	SWC-116	Block numbers should not be used for time calculations.	PASS
Signature Unique ID	SWC-117 SWC-121 SWC-122	Signed messages should always have a unique id. A transaction hash should not be used as a unique id.	PASS
Incorrect Constructor Name	SWC-118	Constructors are special functions that are called only once during the contract creation.	PASS
Shadowing State Variable	SWC-119	State variables should not be shadowed.	PASS
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	PASS
Write to Arbitrary Storage Location	SWC-124	The contract is responsible for ensuring that only authorized user or contract accounts may write to sensitive storage locations.	PASS
Incorrect Inheritance Order	SWC-125	When inheriting multiple contracts, especially if they have identical functions, a developer should carefully specify inheritance in the correct order. The rule of thumb is to inherit contracts from more /general/ to more /specific/.	PASS
Insufficient Gas Griefing	SWC-126	Insufficient gas griefing attacks can be performed on contracts which accept data and use it in a sub-call on another contract.	PASS
Arbitrary Jump Function	SWC-127	As Solidity doesnt support pointer arithmetics, it is impossible to change such variable to an arbitrary value.	PASS

Typographical Error	SWC-129	A typographical error can occur for example when the intent of a defined operation is to sum a number to a variable.	PASS
Override control character	SWC-130	Malicious actors can use the Right-To-Left-Override unicode character to force RTL text rendering and confuse users as to the real intent of a contract.	PASS
Unused variables	SWC-131 SWC-135	Unused variables are allowed in Solidity and they do not pose a direct security issue.	PASS
Unexpected Ether balance	SWC-132	Contracts can behave erroneously when they strictly assume a specific Ether balance.	PASS
Hash Collisions Variable	SWC-133	Using <code>abi.encodePacked()</code> with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The <code>transfer()</code> and <code>send()</code> functions forward a fixed amount of 2300 gas.	PASS
Unencrypted Private Data	SWC-136	It is a common misconception that private type variables cannot be read.	PASS

SMART CONTRACT ANALYSIS

Started	Wednesday Feb 01 2023 00:15:51 GMT+0000 (Coordinated Universal Time)
Finished	Thursday Feb 02 2023 14:08:50 GMT+0000 (Coordinated Universal Time)
Mode	Standard
Main Source File	DreamPad.sol

Detected Issues

ID	Title	Severity	Status
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "**" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged

SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged

SWC-101	ARITHMETIC OPERATION "+=" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "*" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "-" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "/" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-101	ARITHMETIC OPERATION "+" DISCOVERED	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 793

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
792 uint256 private constant MAX = ~uint256(0);
793 uint256 private _tTotal = 10_000_000_000 * 10**_decimals;
794
795
796 //Tax Definition for Contraact
797
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 793

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
792 uint256 private constant MAX = ~uint256(0);
793 uint256 private _tTotal = 10_000_000_000 * 10**_decimals;
794
795
796 //Tax Definition for Contraact
797
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 801

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
800  uint256 public _reserveFee = 1;
801  uint256 public totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee +
_reserveFee;
802  //Definition for the swapAndLiquify Trigger.
803  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
804  //Swap Controls
805
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 801

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
800  uint256 public _reserveFee = 1;
801  uint256 public totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee +
_reserveFee;
802  //Definition for the swapAndLiquify Trigger.
803  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
804  //Swap Controls
805
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 801

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
800  uint256 public _reserveFee = 1;
801  uint256 public totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee +
_reserveFee;
802  //Definition for the swapAndLiquify Trigger.
803  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
804  //Swap Controls
805
```


SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 803

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
802 //Definition for the swapAndLiquify Trigger.  
803 uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;  
804 //Swap Controls  
805 uint256 public constant swapOutput = 0;  
806 //Trading Controls added for SAFU Requirements  
807
```

SWC-101 | ARITHMETIC OPERATION "**" DISCOVERED

LINE 803

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
802 //Definition for the swapAndLiquify Trigger.  
803 uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;  
804 //Swap Controls  
805 uint256 public constant swapOutput = 0;  
806 //Trading Controls added for SAFU Requirements  
807
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 944

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
943  _msgSender(),  
944  _allowances[sender][_msgSender()] - amount  
945  );  
946  return true;  
947  }  
948
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 957

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
956 spender,  
957 _allowances[_msgSender()][spender] + addedValue  
958 );  
959 return true;  
960 }  
961
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 970

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
969     spender,  
970     _allowances[_msgSender()][spender] - subtractedValue  
971 );  
972 return true;  
973 }  
974
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1029

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1028 uint256 initialBalance = address(this).balance;
1029 uint256 halfLiquidityTokens = liquidityTokensCollected / 2;
1030 swapTokensForEth(halfLiquidityTokens);
1031
1032 uint256 newBalance = address(this).balance - initialBalance;
1033
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 1032

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1031
1032  uint256 newBalance = address(this).balance - initialBalance;
1033  addLiquidity(halfLiquidityTokens, newBalance);
1034  emit SwapAndLiquify(
1035    halfLiquidityTokens,
1036
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1044

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1043
1044     uint256 walletsTotal = treasureTokensCollected + marketingTokensCollected +
reserveTokensCollected;
1045
1046     uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
1047     walletsTotal;
1048
```


SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1044

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1043
1044     uint256 walletsTotal = treasureTokensCollected + marketingTokensCollected +
reserveTokensCollected;
1045
1046     uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
1047     walletsTotal;
1048
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1046

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1045
1046     uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
1047     walletsTotal;
1048
1049     uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
1050
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1046

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1045
1046     uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
1047     walletsTotal;
1048
1049     uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
1050
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1049

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1048
1049     uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
1050
1051     uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
1052
1053
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1049

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1048
1049     uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
1050
1051     uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
1052
1053
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1051

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1050
1051  uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
1052
1053  transferToAddressETH(treasureWalletAddress, ethForTreasure);
1054  transferToAddressETH(marketingWalletAddress, ethForMarketing);
1055
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1051

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1050
1051  uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
1052
1053  transferToAddressETH(treasureWalletAddress, ethForTreasure);
1054  transferToAddressETH(marketingWalletAddress, ethForMarketing);
1055
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 1109

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1108 function countUpFeeShare(uint256 amount) private {
1109     liquidityTokensCollected += (amount * _liquidityFee) / 100;
1110     treasureTokensCollected += (amount * _treasureFee) / 100;
1111     marketingTokensCollected += (amount * _marketingFee) / 100;
1112     reserveTokensCollected += (amount * _reserveFee) / 100;
1113 }
```


SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1109

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1108 function countUpFeeShare(uint256 amount) private {
1109     liquidityTokensCollected += (amount * _liquidityFee) / 100;
1110     treasureTokensCollected += (amount * _treasureFee) / 100;
1111     marketingTokensCollected += (amount * _marketingFee) / 100;
1112     reserveTokensCollected += (amount * _reserveFee) / 100;
1113 }
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1109

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1108 function countUpFeeShare(uint256 amount) private {
1109     liquidityTokensCollected += (amount * _liquidityFee) / 100;
1110     treasureTokensCollected += (amount * _treasureFee) / 100;
1111     marketingTokensCollected += (amount * _marketingFee) / 100;
1112     reserveTokensCollected += (amount * _reserveFee) / 100;
1113 }
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 1110

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1109 liquidityTokensCollected += (amount * _liquidityFee) / 100;  
1110 treasureTokensCollected += (amount * _treasureFee) / 100;  
1111 marketingTokensCollected += (amount * _marketingFee) / 100;  
1112 reserveTokensCollected += (amount * _reserveFee) / 100;  
1113 }  
1114
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1110

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1109 liquidityTokensCollected += (amount * _liquidityFee) / 100;  
1110 treasureTokensCollected += (amount * _treasureFee) / 100;  
1111 marketingTokensCollected += (amount * _marketingFee) / 100;  
1112 reserveTokensCollected += (amount * _reserveFee) / 100;  
1113 }  
1114
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1110

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1109 liquidityTokensCollected += (amount * _liquidityFee) / 100;  
1110 treasureTokensCollected += (amount * _treasureFee) / 100;  
1111 marketingTokensCollected += (amount * _marketingFee) / 100;  
1112 reserveTokensCollected += (amount * _reserveFee) / 100;  
1113 }  
1114
```

SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 1111

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1110     treasureTokensCollected += (amount * _treasureFee) / 100;
1111     marketingTokensCollected += (amount * _marketingFee) / 100;
1112     reserveTokensCollected += (amount * _reserveFee) / 100;
1113 }
1114
1115
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1111

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1110     treasureTokensCollected += (amount * _treasureFee) / 100;
1111     marketingTokensCollected += (amount * _marketingFee) / 100;
1112     reserveTokensCollected += (amount * _reserveFee) / 100;
1113 }
1114
1115
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1111

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1110     treasureTokensCollected += (amount * _treasureFee) / 100;
1111     marketingTokensCollected += (amount * _marketingFee) / 100;
1112     reserveTokensCollected += (amount * _reserveFee) / 100;
1113 }
1114
1115
```


SWC-101 | ARITHMETIC OPERATION "+=" DISCOVERED

LINE 1112

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1111 marketingTokensCollected += (amount * _marketingFee) / 100;  
1112 reserveTokensCollected += (amount * _reserveFee) / 100;  
1113 }  
1114  
1115 function _transferBothExcluded(  
1116
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1112

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1111 marketingTokensCollected += (amount * _marketingFee) / 100;  
1112 reserveTokensCollected += (amount * _reserveFee) / 100;  
1113 }  
1114  
1115 function _transferBothExcluded(  
1116
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1112

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1111 marketingTokensCollected += (amount * _marketingFee) / 100;  
1112 reserveTokensCollected += (amount * _reserveFee) / 100;  
1113 }  
1114  
1115 function _transferBothExcluded(  
1116
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 1127

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1126     }  
1127     _tOwned[sender] = _tOwned[sender] - tAmount;  
1128  
1129     _tOwned[recipient] = _tOwned[recipient] + tTransferAmount;  
1130  
1131
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1129

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1128
1129   _tOwned[recipient] = _tOwned[recipient] + tTransferAmount;
1130
1131   emit Transfer(sender, recipient, tTransferAmount);
1132   }
1133
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1140

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1139 //uint256 tFee = calculateTaxFee(tAmount);
1140 uint256 tLiquidity = (tAmount * totalSwapableFee) / 100;
1141 uint256 tTransferAmount = (tAmount) - tLiquidity;
1142 return (tTransferAmount, tLiquidity);
1143 }
1144
```

SWC-101 | ARITHMETIC OPERATION "*" DISCOVERED

LINE 1140

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1139 //uint256 tFee = calculateTaxFee(tAmount);
1140 uint256 tLiquidity = (tAmount * totalSwapableFee) / 100;
1141 uint256 tTransferAmount = (tAmount) - tLiquidity;
1142 return (tTransferAmount, tLiquidity);
1143 }
1144
```

SWC-101 | ARITHMETIC OPERATION "-" DISCOVERED

LINE 1141

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1140 uint256 tLiquidity = (tAmount * totalSwapableFee) / 100;
1141 uint256 tTransferAmount = (tAmount) - tLiquidity;
1142 return (tTransferAmount, tLiquidity);
1143 }
1144
1145
```


SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1146

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1145 function _takeLiquidity(uint256 tLiquidity) private {
1146     _tOwned[address(this)] = _tOwned[address(this)] + tLiquidity;
1147     //emit Transfer(address(0), address(this), tLiquidity);
1148 }
1149 //Include, Exclude from Fees and a view to confirm.
1150
```

SWC-101 | ARITHMETIC OPERATION "/" DISCOVERED

LINE 1173

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1172  {
1173    require(_minimumTokensBeforeSwap >_tTotal / 1_000_000,
"setNumTokensSellToAddToLiquidity must be greater than 0.0001% of total supply");
1174    minimumTokensBeforeSwap = _minimumTokensBeforeSwap;
1175    emit Log("We have updated minimumTokensBeforeSwap to:",minimumTokensBeforeSwap);
1176  }
1177
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1195

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1194  _reserveFee = _newReserveFee;
1195  totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee + _reserveFee;
1196  emit Log("We have updated the total taxes to",totalSwapableFee);
1197
1198  }
1199
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1195

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1194  _reserveFee = _newReserveFee;  
1195  totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee + _reserveFee;  
1196  emit Log("We have updated the total taxes to",totalSwapableFee);  
1197  
1198  }  
1199
```

SWC-101 | ARITHMETIC OPERATION "+" DISCOVERED

LINE 1195

low SEVERITY

This plugin produces issues to support false positive discovery within mythril.

Source File

- DreamPad.sol

Locations

```
1194  _reserveFee = _newReserveFee;
1195  totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee + _reserveFee;
1196  emit Log("We have updated the total taxes to",totalSwapableFee);
1197
1198  }
1199
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1066

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- DreamPad.sol

Locations

```
1065     address[] memory path = new address[](2);
1066     path[0] = address(this);
1067     path[1] = uniswapV2Router.WETH();
1068     _approve(address(this), address(uniswapV2Router), tokenAmount);
1069
1070
```

SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 1067

low SEVERITY

The index access expression can cause an exception in case of use of invalid array index value.

Source File

- DreamPad.sol

Locations

```
1066 path[0] = address(this);
1067 path[1] = uniswapV2Router.WETH();
1068 _approve(address(this), address(uniswapV2Router), tokenAmount);
1069
1070 // make the swap
1071
```

DISCLAIMER

This report is subject to the terms and conditions (including without limitation, description of services, confidentiality, disclaimer and limitation of liability) set forth in the Services Agreement, or the scope of services, and terms and conditions provided to you (“Customer” or the “Company”) in connection with the Agreement. This report provided in connection with the Services set forth in the Agreement shall be used by the Company only to the extent permitted under the terms and conditions set forth in the Agreement. This report may not be transmitted, disclosed, referred to, or relied upon by any person for any purposes, nor may copies be delivered to any other person other than the Company, without Sysfixed’s prior written consent in each instance.

This report is not, nor should be considered, an “endorsement” or “disapproval” of any particular project or team. This report is not, nor should be considered, an indication of the economics or value of any “product” or “asset” created by any team or project that contracts Sysfixed to perform a security assessment. This report does not provide any warranty or guarantee regarding the absolute bug-free nature of the technology analyzed, nor do they provide any indication of the technologies proprietors, business, business model, or legal compliance.

This is a limited report on our findings based on our analysis, in accordance with good industry practice as of the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, the details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report. While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn’t say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the below disclaimer below – please make sure to read it in full.

This report should not be used in any way to make decisions around investment or involvement with any particular project. This report in no way provides investment advice, nor should be leveraged as investment advice of any sort. This report represents an extensive assessing process intending to help our customers increase the quality of their code while reducing the high level of risk presented by cryptographic tokens and blockchain technology.

This report is provided for information purposes only and on a non-reliance basis and does not constitute investment advice. No one shall have any right to rely on the report or its contents, and Sysfixed and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers, and other representatives) (Sysfixed) owe no duty of care.

ABOUT US

Sysfixed is a blockchain security certification organization established in 2021 with the objective to provide smart contract security services and verify their correctness in blockchain-based protocols. Sysfixed automatically scans for security vulnerabilities in Ethereum and other EVM-based blockchain smart contracts. Sysfixed a comprehensive range of analysis techniques—including static analysis, dynamic analysis, and symbolic execution—can accurately detect security vulnerabilities to provide an in-depth analysis report. With a vibrant ecosystem of world-class integration partners that amplify developer productivity, Sysfixed can be utilized in all phases of your project's lifecycle. Our team of security experts is dedicated to the research and improvement of our tools and techniques used to fortify your code.