

FPX Mobile

Smart Contract Audit Report





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AUDITED DETAILS

Audited Project

Project name	Token ticker	Blockchain	
FPX Mobile	FPX	Binance Smart Chain	

Addresses

Contract address	0x556ab849f6d805020bb0df72f5f92e001522cc07	
Contract deployer address	0x9F81a977FF761AAC965f0E234F223ce53d9547f1	

Project Website

https://www.fpxtoken.com/

Codebase

https://bscscan.com/address/0x556ab849f6d805020bb0df72f5f92e001522cc07#code



SUMMARY

Fpx designs virtual and real products using Blockchain and Web 3.0 technology in order to bring a unique innovation to online pay systems made worldwide. The aim of our project is to enable the crypto assets in the existing exchange accounts of the users to be converted into coins that can be used in daily life in seconds with the high security Fpx Mobile App. With the infrastructure it is developing, FPX Token is a technology that contributes to the formation of a structure that can be easily used by everyone and is valid in all parts of the world and in all areas of other elite crypto currencies under its own leadership.

Contract Summary

Documentation Quality

FPX Mobile 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 FPX Mobile 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 702, 702, 710, 710, 710, 712, 712, 853, 866, 879, 938, 941, 953, 953, 955, 955, 958, 958, 960, 960, 1018, 1018, 1018, 1019, 1019, 1019, 1020, 1020, 1020, 1021, 1021, 1021, 1036, 1038, 1049, 1049, 1050, 1055, 1082, 1104, 1104 and 1104.
- 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 975 and 976.



CONCLUSION

We have audited the FPX Mobile project released on March 2023 to discover issues and identify potential security vulnerabilities in FPX Mobile 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 satisfactory results with low-risk issues.

The issues found in the FPX Mobile 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. The index access expression can cause an exception in case 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.		
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.	t 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 ISSUE ailing assert statement. 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.	
Race Conditions	SWC-114	Race Conditions and Transactions Order Dependency should not be possible.	
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.	
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	8 Constructors are special functions that are called only once during the contract creation.	
Shadowing State Variable	SWC-119	9 State variables should not be shadowed.	
Weak Sources of Randomness	SWC-120	Random values should never be generated from Chain Attributes or be predictable.	
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.	
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.	
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.	
Hash Collisions Variable	SWC-133	Using abi.encodePacked() with multiple variable length arguments can, in certain situations, lead to a hash collision.	PASS
Hardcoded gas amount	SWC-134	The transfer() and send() 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 Mar 08 2023 12:06:48 GMT+0000 (Coordinated Universal Time)		
Finished	Thursday Mar 09 2023 22:20:39 GMT+0000 (Coordinated Universal Time)		
Mode	Standard		
Main Source File	FpxMobile.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-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged
SWC-110	OUT OF BOUNDS ARRAY ACCESS	low	acknowledged



LINE 702

low SEVERITY

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

Source File

- FpxMobile.sol

```
701 uint256 private constant MAX = ~uint256(0);
702 uint256 private _tTotal = 1_000_000_000 * 10**_decimals;
703
704
705 //Tax Definition for Contraact
706
```



LINE 702

low SEVERITY

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

Source File

- FpxMobile.sol

```
701 uint256 private constant MAX = ~uint256(0);
702 uint256 private _tTotal = 1_000_000_000 * 10**_decimals;
703
704
705 //Tax Definition for Contraact
706
```



LINE 710

low SEVERITY

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

Source File

- FpxMobile.sol

```
709  uint256 public _reserveFee = 1;
710  uint256 public totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee +
_reserveFee;
711  //Definition for the swapAndLiquify Trigger.
712  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
713  //Swap Controls
714
```



LINE 710

low SEVERITY

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

Source File

- FpxMobile.sol

```
709  uint256 public _reserveFee = 1;
710  uint256 public totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee +
_reserveFee;
711  //Definition for the swapAndLiquify Trigger.
712  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
713  //Swap Controls
714
```



LINE 710

low SEVERITY

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

Source File

- FpxMobile.sol

```
709  uint256 public _reserveFee = 1;
710  uint256 public totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee +
_reserveFee;
711  //Definition for the swapAndLiquify Trigger.
712  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
713  //Swap Controls
714
```



LINE 712

low SEVERITY

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

Source File

- FpxMobile.sol

```
711  //Definition for the swapAndLiquify Trigger.
712  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
713  //Swap Controls
714  uint256 public constant swapOutput = 0;
715  //Trading Controls added for SAFU Requirements
716
```



LINE 712

low SEVERITY

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

Source File

- FpxMobile.sol

```
711  //Definition for the swapAndLiquify Trigger.
712  uint256 private minimumTokensBeforeSwap = 1_000_000 * 10**_decimals;
713  //Swap Controls
714  uint256 public constant swapOutput = 0;
715  //Trading Controls added for SAFU Requirements
716
```



LINE 853

low SEVERITY

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

Source File

- FpxMobile.sol

```
852 _msgSender(),
853 _allowances[sender][_msgSender()] - amount
854 );
855 return true;
856 }
857
```



LINE 866

low SEVERITY

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

Source File

- FpxMobile.sol

```
865 spender,
866 _allowances[_msgSender()][spender] + addedValue
867 );
868 return true;
869 }
870
```



LINE 879

low SEVERITY

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

Source File

- FpxMobile.sol

```
878 spender,
879 _allowances[_msgSender()][spender] - subtractedValue
880 );
881 return true;
882 }
883
```



LINE 938

low SEVERITY

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

Source File

- FpxMobile.sol

```
937 uint256 initialBalance = address(this).balance;
938 uint256 halfLiquidityTokens = liquidityTokensCollected / 2;
939 swapTokensForEth(halfLiquidityTokens);
940
941 uint256 newBalance = address(this).balance - initialBalance;
942
```



LINE 941

low SEVERITY

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

Source File

- FpxMobile.sol

```
940
941 uint256 newBalance = address(this).balance - initialBalance;
942 addLiquidity(halfLiquidityTokens, newBalance);
943 emit SwapAndLiquify(
944 halfLiquidityTokens,
945
```



LINE 953

low SEVERITY

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

Source File

- FpxMobile.sol

```
952
953 uint256 walletsTotal = treasureTokensCollected + marketingTokensCollected + reserveTokensCollected;
954
955 uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
956 walletsTotal;
957
```



LINE 953

low SEVERITY

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

Source File

- FpxMobile.sol

```
952
953 uint256 walletsTotal = treasureTokensCollected + marketingTokensCollected + reserveTokensCollected;
954
955 uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
956 walletsTotal;
957
```



LINE 955

low SEVERITY

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

Source File

- FpxMobile.sol

```
954
955 uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
956 walletsTotal;
957
958 uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
959
```



LINE 955

low SEVERITY

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

Source File

- FpxMobile.sol

```
954
955 uint256 ethForTreasure = (newBalance * treasureTokensCollected) /
956 walletsTotal;
957
958 uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
959
```



LINE 958

low SEVERITY

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

Source File

- FpxMobile.sol

```
957
958 uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
959
960 uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
961
962
```



LINE 958

low SEVERITY

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

Source File

- FpxMobile.sol

```
957
958 uint256 ethForMarketing = (newBalance * marketingTokensCollected) / walletsTotal;
959
960 uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
961
962
```



LINE 960

low SEVERITY

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

Source File

- FpxMobile.sol

```
959
960 uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
961
962 transferToAddressETH(treasureWalletAddress, ethForTreasure);
963 transferToAddressETH(marketingWalletAddress, ethForMarketing);
964
```



LINE 960

low SEVERITY

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

Source File

- FpxMobile.sol

```
959
960 uint256 ethForReserve = (newBalance * reserveTokensCollected) / walletsTotal;
961
962 transferToAddressETH(treasureWalletAddress, ethForTreasure);
963 transferToAddressETH(marketingWalletAddress, ethForMarketing);
964
```



LINE 1018

low SEVERITY

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

Source File

- FpxMobile.sol

```
1017 function countUpFeeShare(uint256 amount) private {
1018 liquidityTokensCollected += (amount * _liquidityFee) / 100;
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022
```



LINE 1018

low SEVERITY

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

Source File

- FpxMobile.sol

```
1017 function countUpFeeShare(uint256 amount) private {
1018 liquidityTokensCollected += (amount * _liquidityFee) / 100;
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022
```



LINE 1018

low SEVERITY

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

Source File

- FpxMobile.sol

```
1017 function countUpFeeShare(uint256 amount) private {
1018 liquidityTokensCollected += (amount * _liquidityFee) / 100;
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022
```



LINE 1019

low SEVERITY

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

Source File

- FpxMobile.sol

```
1018 liquidityTokensCollected += (amount * _liquidityFee) / 100;
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
```



LINE 1019

low SEVERITY

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

Source File

- FpxMobile.sol

```
1018 liquidityTokensCollected += (amount * _liquidityFee) / 100;
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
```



LINE 1019

low SEVERITY

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

Source File

- FpxMobile.sol

```
1018 liquidityTokensCollected += (amount * _liquidityFee) / 100;
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
```



LINE 1020

low SEVERITY

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

Source File

- FpxMobile.sol

```
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
1024
```



LINE 1020

low SEVERITY

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

Source File

- FpxMobile.sol

```
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
1024
```



LINE 1020

low SEVERITY

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

Source File

- FpxMobile.sol

```
1019 treasureTokensCollected += (amount * _treasureFee) / 100;
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
1024
```



LINE 1021

low SEVERITY

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

Source File

- FpxMobile.sol

```
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
1024 function _transferBothExcluded(
1025
```



LINE 1021

low SEVERITY

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

Source File

- FpxMobile.sol

```
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
1024 function _transferBothExcluded(
1025
```



LINE 1021

low SEVERITY

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

Source File

- FpxMobile.sol

```
1020 marketingTokensCollected += (amount * _marketingFee) / 100;
1021 reserveTokensCollected += (amount * _reserveFee) / 100;
1022 }
1023
1024 function _transferBothExcluded(
1025
```



LINE 1036

low SEVERITY

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

Source File

- FpxMobile.sol

```
1035  }
1036  _tOwned[sender] = _tOwned[sender] - tAmount;
1037
1038  _tOwned[recipient] = _tOwned[recipient] + tTransferAmount;
1039
1040
```



LINE 1038

low SEVERITY

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

Source File

- FpxMobile.sol

```
1037
1038  _tOwned[recipient] = _tOwned[recipient] + tTransferAmount;
1039
1040  emit Transfer(sender, recipient, tTransferAmount);
1041  }
1042
```



LINE 1049

low SEVERITY

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

Source File

- FpxMobile.sol

```
1048  //uint256 tFee = calculateTaxFee(tAmount);
1049  uint256 tLiquidity = (tAmount * totalSwapableFee) / 100;
1050  uint256 tTransferAmount = (tAmount) - tLiquidity;
1051  return (tTransferAmount, tLiquidity);
1052  }
1053
```



LINE 1049

low SEVERITY

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

Source File

- FpxMobile.sol

```
1048  //uint256 tFee = calculateTaxFee(tAmount);
1049  uint256 tLiquidity = (tAmount * totalSwapableFee) / 100;
1050  uint256 tTransferAmount = (tAmount) - tLiquidity;
1051  return (tTransferAmount, tLiquidity);
1052  }
1053
```



LINE 1050

low SEVERITY

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

Source File

- FpxMobile.sol

```
1049  uint256 tLiquidity = (tAmount * totalSwapableFee) / 100;
1050  uint256 tTransferAmount = (tAmount) - tLiquidity;
1051  return (tTransferAmount, tLiquidity);
1052  }
1053
1054
```



LINE 1055

low SEVERITY

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

Source File

- FpxMobile.sol

```
function _takeLiquidity(uint256 tLiquidity) private {
    tOwned[address(this)] = _tOwned[address(this)] + tLiquidity;
    //emit Transfer(address(0), address(this), tLiquidity);
}

//Include, Exclude from Fees and a view to confirm.
```



LINE 1082

low SEVERITY

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

Source File

- FpxMobile.sol

```
1081 {
1082 require(_minimumTokensBeforeSwap >_tTotal / 1_000_000,
"setNumTokensSellToAddToLiquidity must be greater than 0.0001% of total supply");
1083 minimumTokensBeforeSwap = _minimumTokensBeforeSwap;
1084 emit Log("We have updated minimunTokensBeforeSwap to:",minimumTokensBeforeSwap);
1085 }
1086
```



LINE 1104

low SEVERITY

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

Source File

- FpxMobile.sol

```
1103    _reserveFee = _newReserveFee;
1104    totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee + _reserveFee;
1105    emit Log("We have updated the total taxes to",totalSwapableFee);
1106
1107  }
1108
```



LINE 1104

low SEVERITY

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

Source File

- FpxMobile.sol

```
1103    _reserveFee = _newReserveFee;
1104    totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee + _reserveFee;
1105    emit Log("We have updated the total taxes to",totalSwapableFee);
1106
1107  }
1108
```



LINE 1104

low SEVERITY

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

Source File

- FpxMobile.sol

```
1103    _reserveFee = _newReserveFee;
1104    totalSwapableFee = _treasureFee + _liquidityFee + _marketingFee + _reserveFee;
1105    emit Log("We have updated the total taxes to",totalSwapableFee);
1106
1107  }
1108
```



SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 975

low SEVERITY

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

Source File

- FpxMobile.sol

```
974 address[] memory path = new address[](2);
975 path[0] = address(this);
976 path[1] = uniswapV2Router.WETH();
977 _approve(address(this), address(uniswapV2Router), tokenAmount);
978
979
```



SWC-110 | OUT OF BOUNDS ARRAY ACCESS

LINE 976

low SEVERITY

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

Source File

- FpxMobile.sol

```
975 path[0] = address(this);
976 path[1] = uniswapV2Router.WETH();
977 _approve(address(this), address(uniswapV2Router), tokenAmount);
978
979 // make the swap
980
```



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