AUDIT REPORT

DATE APRIL 17TH

FOR YBEARSWAP

Solid Group Auditing Service
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Overview

Network: Binance Smart Chain
Website: ybear.finance
Twitter Group: https://twitter.com/yieldbear
Telegram Group: http://t.me/ybearfinance

Description

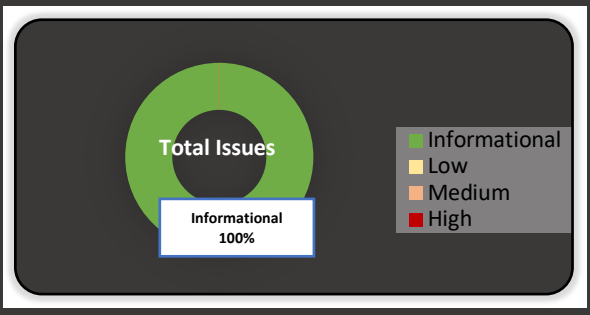
“yBEARSwap is a decentralized exchange running on Binance Smart Chain and Pancakeswap exchange, with lots of other features that let you earn and win tokens.What we are trying to do is create a deflation token, the SBEAR , that allows a constant price pump with a sufficient burn mechanism. We are not trying to replace the swap & exchange but to add value into the system and create a suitable and sustainable environment for people to yield farm with high APR”

Files in Scope

Contract Name	Address (BSC)
yBEARSwap (sBEAR)	0xdEC858d5ee93568CE4eA5bbf9169ceA23d2dE305
MasterChef.sol	0xbDb6D822e0fF81F5E0dB2f657e27B4Bd2DdC9447
Timelock.sol	0x00Fa621A9C927Bd3B1f6B1beB37a2EF238a6cd1e

Vulnerability Summary

Informational severity Issues	1
Low severity issues	0
Medium severity issues	0
High severity issues	0



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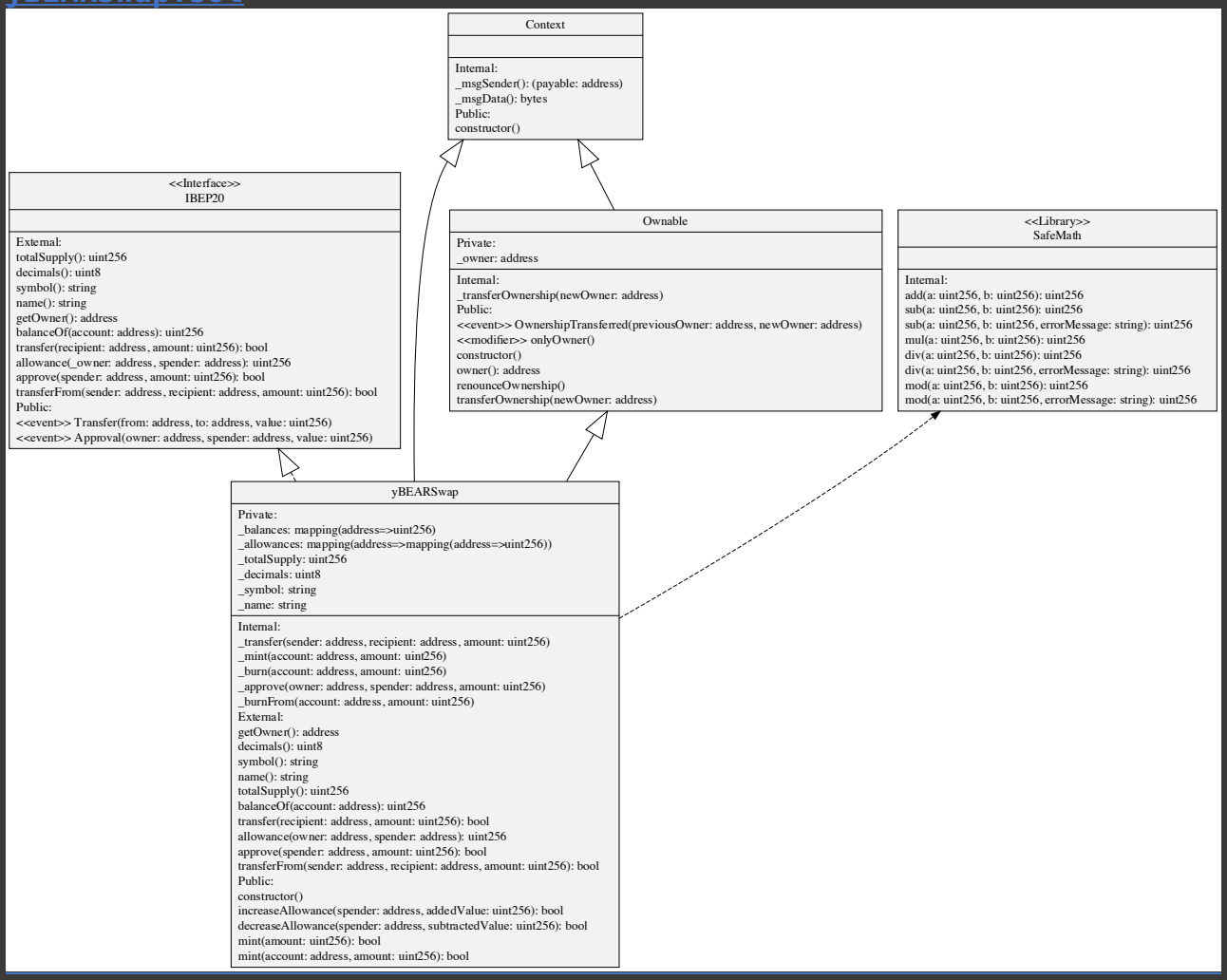
UML

yBEARSwap.sol



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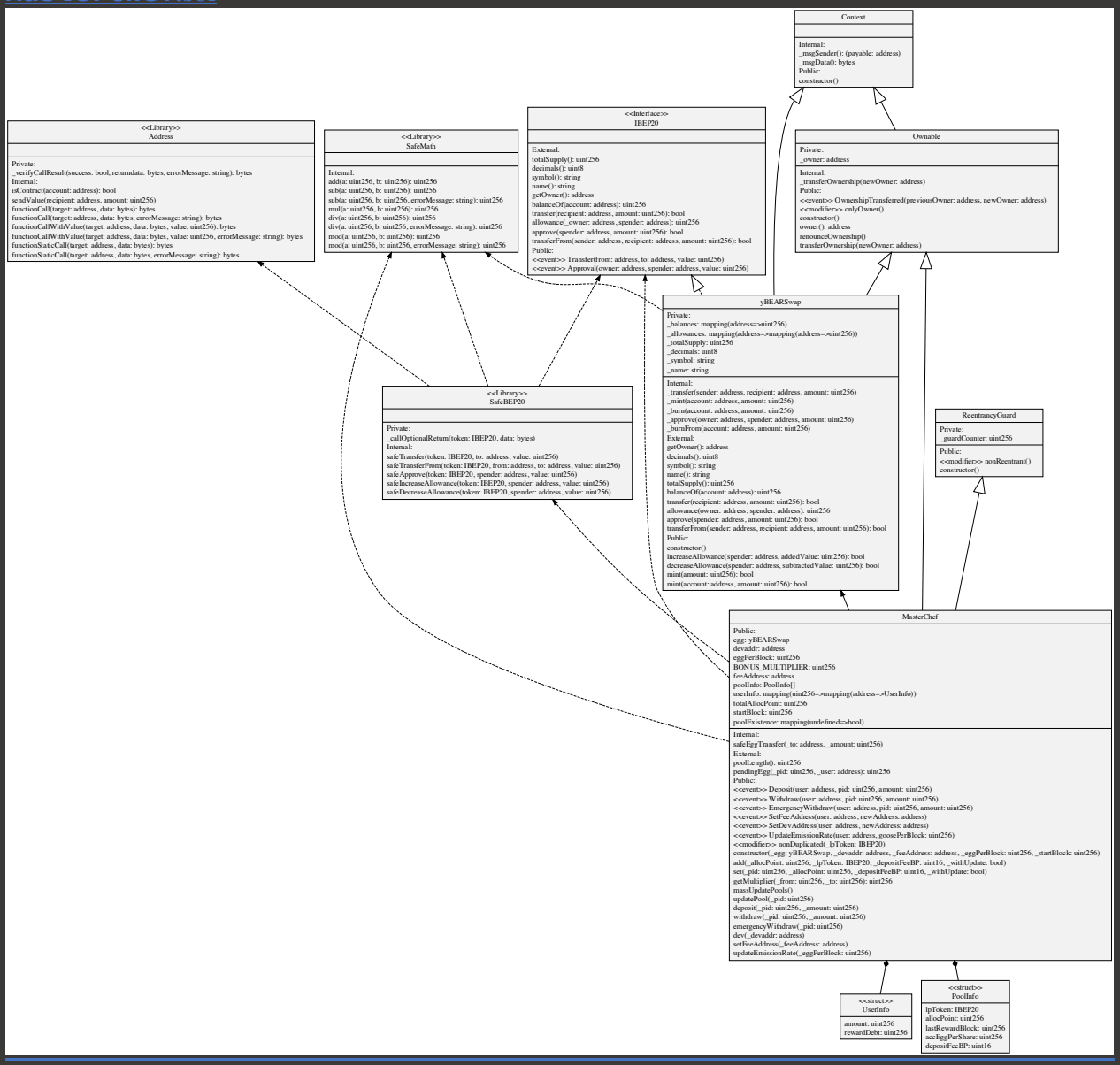
MasterChef.sol



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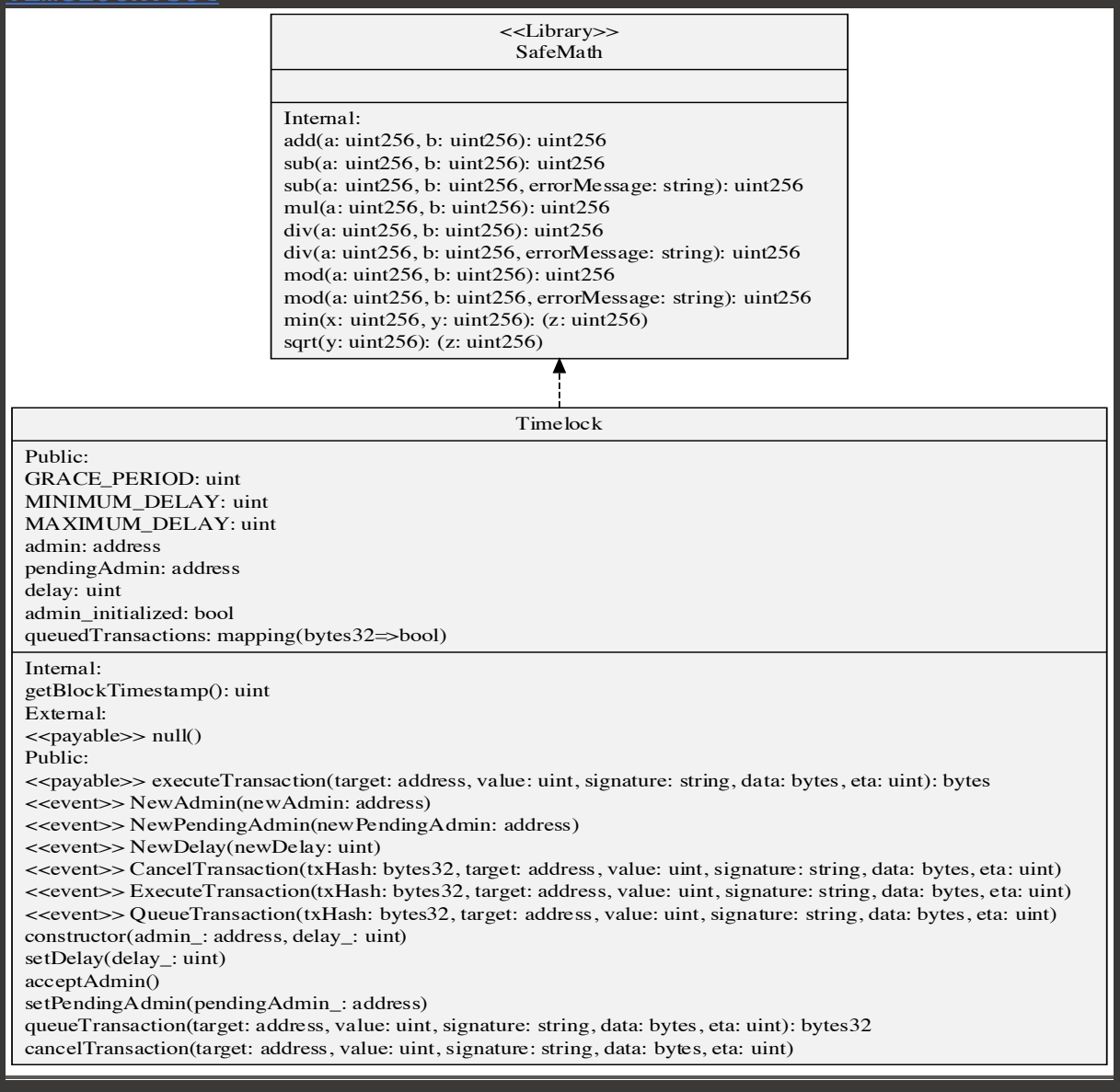
TimeLock.sol



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BEP-20's Conformance

This test checks for BEP-20's conformance.

- All the functions are present
- All the events are present
- Functions return the correct type
- Functions that must be view are view
- Events' parameters are correctly indexed
- The functions emit the events
- Derived contracts do not break the conformance

Function	present	type	Correct Return value	events	
totalSupply	✅	✅ view	✅		
balanceOf(address)	✅	✅ view	✅		
transfer(address,uint256)	✅	✅ external	✅	✅ Transfer	
transferFrom(address, address, uint256)	✅	✅ external	✅	✅ Transfer	
approve(address,uint256)	✅	✅ external	✅	✅ Approval	
allowance(address, address)	✅	✅ view	✅		
name	✅	✅ view	✅		
symbol	✅	✅ view	✅		

Check Events:

✅ Transfer

✅ Approve

The contract that was tested is the token's contract: yBEARSwap.sol

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Findings

MasterChef.sol

Issue #1:

Type	Severity	Location
Gas Optimization	● Informational	MasterChef.sol

Description:

The public **add**, **set**, **deposit**, **withdraw**, **emergencyWithdraw**, **dev, setFeeAddress** and **updateEmissionRate** functions should be declared as external.

Recommendation:

These functions are only called from outside of the contract, consider using the external attribute instead of public to save gas.

Summary

● Informational severity Issues	1
● Low severity issues	0
● Medium severity issues	0
● High severity issues	0

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