Changes in commit:

Security Issues:

1. Floating Pragma:
    1. Changed all Pragmas to use 0.8.9
2. SafeApprove
    1. As we already integrated mitigation, no changes were made
3. Centralisation risk
    1. accessing depositToken is prevented with required. Vault can only ever hold DepositToken with our logic, so all other tokens would be send there by somebody.
    2. KYC planned
4. 3rd Party UniSwap used
    1. No way of preventing, so we will only use trusted DEX
5. Swap function visiblity
    1. Functions are internal
    2. Functions are used by our overriden Strategies, for example GNANA vault will manualle swap reward to BANANA (if reward != BANANA) and they buy GNANA with BANANA

Logic Issues:

1. Vault withdraw when paused
    1. We now also check if the used Strategy has paused. As pausing a Strategy always would mean, something might be wrong with it, after proposing/Upgrading to a new, it would be auto-unpaused. That is fine as we assume, that the new Strategy is a fix to the previous.
    2. Check following Lines:
        1. VaultV1:
            1. #265
        2. VaultStrategyV1:
            1. #65-67

Code Style:

1. Spelling misstakes
    1. Only found the „Compund“ misstake and fixed it. No other mistakes were found
2. Inclusive terminology
    1. WhitelistedContracts was changed to AllowedContracts
    2. Blacklist was totally removed as I think Blacklisting is a good think if we had an exploiter, BUT i think most ppl would just see it as a potential centralization that could be abused

Further Changes:

1. Changed AccessControl to AccessControlEnumerable (so everybody can check rights)
2. Some functions where moved
3. Fee logic was changed to prevent „dust“.
    1. In case of rounding errors, sometimes small amounts of the wrapped coin could be left&stuck in the contract. To prevent that, the last fee uses remaining fee amout, instead of calculating share
    2. Check following Lines:
        1. VaultStrategyV1:
            1. #656-665

4. VaultV1 withdraw was split to amke code more readable. New function withdrawFromStrategy added
5. VaultV1 withdraw now first tries to withdraw from vault, and if still something is missing, it tries to withdraw from strategy. Also the amount of withdraws transaction is reduced, as VaultStrategyV1 doesnt send amount to Vault and Vault to User, but Strategy is sending it to user directly. This is important for tokens with transaction taxes to lower taxes
    1. Check Following Lines:
        1. VaultV1:
            1. #304-333
        2. VaultStrategyV1:
            1. #317
            2. #327
            3. #370
6. Previously the 0.1% anti-frontrunning withdraw fee was deducted when withdrawing from strategy. Thereby 0.1% was left in strategy and redeposited with next deposit/compound. If we have a taxable transfer token, the 0.1% would be taxed x2. In rare cases where a whale withdraws and afterwards is a small value compound, the tax would lower the total balance. Therefore we now deduct 0.1% directly from pool withdraw, and if there is still a strategy withdraw amount, only the difference gets the 0.1% deducted
    1. Check following Lines:
        1. VaultStrategyV1:
            1. #232-327
            2. #332-345
            3. #353-370