

# Homework 15

For the upcoming homeworks you will need TBNB

Test net [Faucet](#)

## Badger Coin improvements

Using the Badger coin you created in previous homeworks

1. Make sure that the approve and transferFrom functions are implemented.
  2. Add pausable functionality, you can use the Open Zeppelin pausable contract. Any functions that update state should be pausable.
  3. Write unit tests to test the above functionality.
  4. Deploy your new contract onto the test network.
- 
2. Discuss in your teams the merits of the different types of scalability solutions
    1. Which solutions have you used ?
    2. What are your criteria for choosing a solution ?