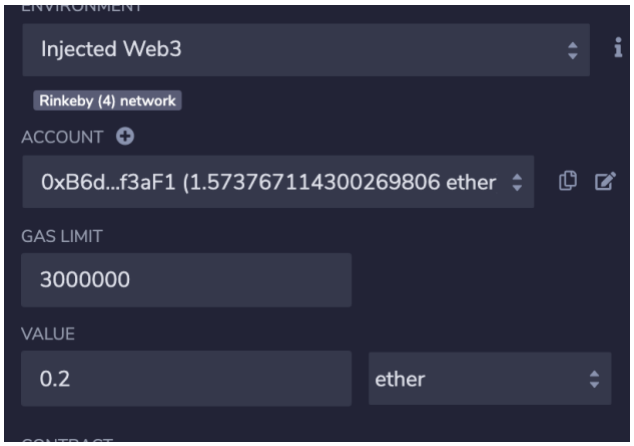
Updates in Phase 4

User will be able to register for receiving bonus tokens by send 0.2 ETH by calling buyTokenWithBonus(). Then he can use buyTokensWithBonus() method by sending password as parameter so that he can receive bonus of tokens of 20% percent of the normal tokens calculated to be sent.

- Keccak hashing is used to encrypt user password.
- New events are added for registering for bonusTokens, BuyTokens and BuyTokensWithBonus
- Two new methods are added registerUserForBonusTokens(), buyTokenWithBonus()
- registerUserForBonusTokens() – this method has to be called by a buyer if he want bonus tokens while buying. While calling this method you have to send a minimum of 0.2 ETH, so that's the price to register to get bonus tokens.You have to send 0.2 ETH like below.Also you have to send a password to this method which will be keccak hashed and stored for this user.



- buyTokenWithBonus() – this method behaves like buyTokens() only that you have to send the password that you sent while calling registerUserForBonusTokens(). This password will again be encrypted and compared with the already encrypted and stored password for this user while calling registerUserForBonusTokens(). If the passwords match then bonus tokens along with actual tokens are sent.
  For eg: if exchange_rate was 1 ETH = 500 tokens, if he sends 0.1 eth for buyTokenWithBonus() then , 0.1*500 = 50 tokens plus bonus , bonus will be 50*0.2 = 10

  So totally 50 + 10 = 60 tokens will be sent.

- It's a one-time registration for bonus tokens , something like a premium account, that receives bonuses every time he buys new tokens using buyTokenWithBonus(). Subsequent purchases are eligible for bonuses.