

Questionnaire - A

1. General Information:

Age: ____

Id: ____

Test Group: ____

Overall time: ____

Educational level: _____

Current job: _____

2. IT Knowledge:

Provide a value between 1 and 5 indicating your knowledge level, where 1=poor, 2=fair, 3=average, 4=good, and 5=excellent:

Programming experience	
Time spent in programming-related activities each week	
Experience in blockchain-related topics (i.e., smart contracts, Solidity programming, etc.)	

3. Tasks evaluation:

Report in each slot the answer to each task and the time spent to accomplish each one of them using SmartVT on smart contracts of group1:

	Answer	Time
1. Find the most called function in the smart contract "contract1.sol"		
2. Find the function that calls the highest number of other functions in the smart contract "contract1.sol"		
3. How many functions does the function "_transfer()" call?		
4. How many times is the function "_approve()" called? From which functions?		
5. By evaluating the number of lines of code and functions, identify the		

most and the least complex smart contracts from group 1		
6. What is the smart contract having the highest amount of functions requiring gas?		
7. What is the smart contract having the lowest amount of functions requiring gas?		
8. Identify the smart contract that differs from the others, based on its purpose/use		
9. Identify the smart contract that has the longest and the shortest function requiring gas		
10. What is the name of the most expensive function, in terms of gas?		
11. What is the name of the least expensive function, in terms of gas?		

Report in each slot the answer to each task and the time spent to accomplish each one of them using RemixIDE on smart contracts of group2:

	Answer	Time
1. Find the most called function in the smart contract "contract21.sol"		
2. Find the function that calls the highest number of other functions in the smart contract "contract21.sol"		
3. How many functions does the function "increaseAllowance()" call?		
4. How many times is the function "_approve()" called? From which function?		
5. By evaluating the number of lines of code and functions, identify the most and the least complex smart contracts from group 2		
6. What is the smart contract having the highest amount of functions requiring gas?		
7. What is the smart contract having the lowest amount of functions requiring gas?		

8. Identify the smart contract that differs from the others, based on its purpose/use		
9. Identify the smart contract that has the longest and the shortest function requiring gas		
10. Identify the smart contract that has the longest and the shortest functions requiring gas		
11. What is the name of the most expensive function, in terms of gas?		

4. Tool evaluation:

Answer to the following questions by providing a score between 1 (lowest) and 5 (highest):

How comprehensive is the information displayed by SmartVT?	
How much useful is SmartVT to accomplish the given tasks?	
How much do you agree with the following statement: "SmartVT shows all information I need without drawbacks"?	
How much do you think diagrams provided by SmartVT are appropriate to visualize smart contract information?	
How much do you consider SmartVT useful generally speaking?	
How much helpful do you think the tool is for non-skilled users?	
Would you use SmartVT without any instrument or would you rather prefer using it together with other tools?	

5. User Feedback

If you want to improve or modify something in SmartVT functioning, please fill the box below:

If you have found any difficulties in using the tool please fill the box below: