Peer-Testing Evaluation (Survey)

This is the feedback form for the study, and should be filled out upon completion of the main tasks required by the evaluation.

You should have filled out a consent form prior to taking part. If this is not the case, please contact us using the following:

*Required

Investigators

Léon McGregor
Year 4 MACS Student
Heriot-Watt University
lm356@hw.ac.uk

Manuel Maarek
Assistant Professor
School of MACS
Heriot-Watt University
M.Maarek@hw.ac.uk

If you have any questions during the study please do not hesitate to contact us.

Purpose of Study

The purpose of this study is twofold:
- To investigate the impact that peer-feedback by peer-testing of programming artifacts has on students' learning in computer science,
- To evaluate a peer-testing website by checking that the website behaves correctly, that the interface it offers is easily usable, that the site can improve the speed and quality of the peer assessment process.

Note that we are not testing the programming or testing ability of students, or their ability to perform peer assessment.

Participant Involvement

Having now used various means of peer assessment, we will need to gauge how useful each of the methods are.

You are now asked to fill out the following survey, which will contain questions regarding your use of the website, involvement in peer assessment and your thoughts on taking part in the study in general.

You are also invited to a brief 'debrief' discussion to get more extended feedback with those involved.

Please note that your answers to these questions will not be judged, and so you are asked to try and answer them all as honestly as possible.

.
Upon completion of the study you will be provided with some compensation for the time you have put into taking part.

Coursework Exercises

These questions are about the coursework exercises you were asked to complete

1 What exercise did you complete via email?

_____

2. How would you describe this exercise?

Please select all that apply
Tick all that apply.

- [ ] Difficuly
- [ ] Easy
- [ ] Challenging
- [ ] I   have completed similar exercises before
- [ ] The concept in the exercise was new to me
- [ ] Took a short time to complete
- [ ] Took a long time to complete
- [ ] I think I completed the exercise
- [ ] I don't think I completed the exercise
- [ ] I understood the instructions for this exercise
- [ ] I did not understand the instructions for this exercise
- [ ] _____
Other:

3. How would you describe testing this exercise?

Please select all that apply
Tick all that apply.

- [ ] It was easy to test my own solution
- [ ] It was difficult to test my own solution
- [ ] It was easy to write tests that could be used on other peoples solutions
- [ ] It was difficult to write tests that could be used on other peoples solutions
- [ ] Python unit testing seems a good way to test solutions for this exercise
- [ ] Python unit testing seems a bad way to test solutions for this exercise
- [ ] I   enjoyed writing tests for this exercise
- [ ] I used test driven development for this exercise
- [ ] _____ Other:

4. How many test cases did you produce?

_____

.
5. How many test cases failed on the other solution?

_____

6. What exercise did you complete via the website?

_____

7 How would you describe this exercise?
Please select all that apply
Tick all that apply.

- [ ] Difficuly
- [ ] Easy
- [ ] Challenging
- [ ] I have completed similar exercises before
- [ ] The concept in the exercise was new to me
- [ ] Took a short time to complete
- [ ] Took a long time to complete
- [ ] I think I completed the exercise
- [ ] I don't think I completed the exercise
- [ ] I understood the instructions for this exercise
- [ ] I did not understand the instructions for this exercise
- [ ] _____ Other:

8. How would you describe testing this exercise?
Please select all that apply
Tick all that apply.

- [ ] It was easy to test my own solution
- [ ] It was difficult to test my own solution
- [ ] It was easy to write tests that could be used on other peoples solutions
- [ ] It was difficult to write tests that could be used on other peoples solutions
- [ ] Python unit testing seems a good way to test solutions for this exercise
- [ ] Python unit testing seems a bad way to test solutions for this exercise
- [ ] I enjoyed writing tests for this exercise
- [ ] I used test driven development for this exercise
- [ ] _____ Other:

9. How many test cases did you produce?

_____

10. How many test cases failed on the other solution?

_____

Peer-Testing using website

These questions are regarding the peer-testing you completed using the website

11. What is the user ID you have been assigned for
    using the website? *

    _____

12 How easy was it to understand the page with the details of the coursework? Mark only
   one oval.

	1	2	3	4	5	
Very Difficult	◯	◯	◯	◯	◯	Very Easy

13. How easy was it to submit a solution & test case for the coursework?
    Mark only one oval.

	1	2	3	4	5	
Very Difficult	◯	◯	◯	◯	◯	Very Easy

14. How easy was it to understand the process for giving feedback? Mark
    only one oval.

	1	2	3	4	5	
Very Difficult	◯	◯	◯	◯	◯	Very Easy

15. How easy was it to navigate the view where you give feedback? Mark
    only one oval.

	1	2	3	4	5	
Very Difficult	◯	◯	◯	◯	◯	Very Easy

16. Regarding running tests on the website:
    Please tick all that apply
    Tick all that apply.

    ☐ I ran my own tests against my own solutions

    ☐ I ran my own tests against someone elses solution

    ☐ I ran my own tests against the oracle solution

    ☐ I ran the identity test against my own solution

    ☐ I know what the identity test is for

    ☐ I know what the oracle solution is for

    ☐ _____ Other:

17. How easy was it to navigate the view where you give feedback? Mark
    only one oval.

	1	2	3	4	5

.

| Very Difficult | ( ) ( ) ( ) ( ) ( ) | Very Easy |

18 How fast was the website responding as you used it? Mark
only one oval.

| | 1 | 2 | 3 | 4 | 5 | |
| Very Slowly | ( ) | ( ) | ( ) | ( ) | ( ) | Very Quickly |

19. Did anything stand out as being very good or bad about the website?

_____

_____

_____

_____

_____

20. Do you know the person who created the solution you were testing? Mark only one oval.

( ) Yes

( ) No

( ) Maybe

21. Do you know the location of person who created the solution you were testing? Mark only one
oval.

( ) Yes

( ) No

( ) Maybe

22. Which devices have you used the website on
Please tick all that apply
Tick all that apply.

☐ I have used the website on a desktop / laptop computer

☐ I have used the website on a tablet computer

☐ I have used the website on a mobile device

☐ _____ Other:

23. Would you use the website on some other devices if:
Please tick all that apply
Tick all that apply.

☐ If the website supported it, I would submit files via a mobile device / tablet computer

☐ If the website supported it, I would submit feedback via a mobile device / tablet computer

☐ If the website supported it, I would view feedback via a mobile device / tablet computer

24 Which devices do you do programming on
Please tick all that apply
Tick all that apply.

.

- [ ] I do my programming on a desktop computer
- [ ] I do my programming on a tablet computer
- [ ] I do my programming on a mobile device
- [ ] _____ Other:

25. Did you encounter any problems using the website?

_____

_____

_____

_____

_____

_____

26. Do you think any of the following features ought to be included in the website? Tick all that apply.

- [ ] Email notifications for new feeback
- [ ] Good anonymity
- [ ] Anonymous Discussions with other students
- [ ] Inline code comments for feedback
- [ ] Categorising Different test cases per feature
- [ ] Categorising Different test cases per importance
- [ ] Use of the website for grading/marking
- [ ] _____ Other:

27. Anything else to add regarding the website?

_____

_____

_____

_____

_____

Peer-Testing

The questions in this section are to understand how you see peer-testing

28. Have you completed peer-testing exercises before? Mark only one oval.

- ( ) Yes
- ( ) No

29 If you answered yes to the previous question, would you share what kinds of peer-testing experience you have had

.

_____

_____

_____

_____

_____

30. Do you agree: "Receiving feedback from peer-testing helps me learn" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

31. Do you agree: "Giving feedback during peer-testing helps me learn" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

32. Do you agree: "Peer-testing is better for learning than having a teacher give feedback on my work"
Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

33. Do you agree: "Peer-testing helped me understand how code testing works" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

34. Do you agree: "Peer-testing helped me understand how code review works" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

35. Do you agree: "Peer-testing helped me understand the coursework exercises" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

36 Do you agree: "Peer-testing helped me think differently about the coursework exercises" Mark only one oval.

.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

37. Do you agree: "Peer-testing helped me think of new solutions to the coursework exercises" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

38. Do you agree: "I think peer-testing exercises should be included as part of university courses" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

39. Do you agree: "I think peer-testing exercises using a website like the one in this study should be included as part of university courses" Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	◯	◯	◯	◯	◯	Strongly Agree

40. Do you think peer-testing ought to be reciprocal?
I.e. if you test someone's work, they should test yours
Mark only one oval.

◯ Yes

◯ No

◯ Maybe

41. Do you think peer-testing ought to happen across campuses?
I.e. pairs working to test each others solutions could be in different locations
Mark only one oval.

◯ Yes

◯ No

◯ Maybe

Demographics

42 What is your programme of study? Mark only one oval.

.

- ( ) Information Systems
- ( ) Computer Systems
- ( ) Computer Science
- ( ) Software Engineering
- ( ) Robotic Auton & Inter Systems
- ( ) Computing & Electronics
- ( ) Electrical & Electron Eng

43. Which year of your programme are you in?
Mark only one oval.

- ( ) Year 2
- ( ) Year 3

44. Which campus are you studying in? Mark only one oval.

- ( ) Edinburgh
- ( ) Dubai

45. What is your gender?

_____

Thanks for answering!

46. Regarding further feedback Tick all that apply.

- [ ] Please tick if the investigators may contact me via email