

Student Survey for Automated Exercise Generation

The survey will take approximately 4 minutes to complete. Please refer to the following link for instructions when participating in the user study: https://glamy.sharepoint.com/:w/g/personal/2442602s_student_gla_ac_uk/EXJzy2oK7NKhS56EeuHhpYB4WOJqC7cvNTHaUGg8ADfA?e=Spr2cs

Participation may be withdrawn at any time.

If any questions arise, contact me at Zoltan Sojtory 2442602s@student.gla.ac.uk or my L4 project supervisor Dr Oana Andrei oana.andrei@glasgow.ac.uk.

All data collected is anonymous.

* Required

1. I consent to participating in this survey, meaning my responses can be used in the project. *

☐ Yes

☐ No

2. The Dijkstra exercises I received were similar in difficulty to exercises I have seen in class. *

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

3. The Dijkstra exercises I received were similar in format to exercises I have seen in class. *

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

4. The adjacency matrices helped make the exercises more understandable. *

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

5. The model solutions I received for Dijkstra exercises were easy to understand. *

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

6. Having step-by-step solutions for Dijkstra helped with tracing the solution to the exercise. *

- ☐ Yes
- ☐ No
- ☐ Maybe

7. Highlights / colours helped make each solution step be more descriptive in Dijkstra. *

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

8. Elaborate further about any of the answers above.

9. The KMP exercises I received were similar in difficulty to exercises I have seen in class. *

☐ Strongly disagree

☐ Disagree

☐ Neutral

☐ Agree

☐ Strongly agree

10. The KMP exercises I received were similar in format to exercises I have seen in class. *

☐ Strongly agree

☐ Agree

☐ Neutral

☐ Disagree

☐ Strongly disagree

11. The model solutions I received for KMP exercises were easy to understand. *

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

12. Having step-by-step solutions for KMP helped with tracing the solution to the exercise. *

- ☐ Yes
- ☐ No
- ☐ Maybe

13. Highlights / colours helped make each solution step be more descriptive in KMP. *

- ☐ Strongly agree
- ☐ Agree
- ☐ Neutral
- ☐ Disagree
- ☐ Strongly disagree

14. Elaborate further on any of the answers above.

15. Do you think receiving automatically generated exercises of the same difficulty is fair academically? *

- ☐ Yes
- ☐ No
- ☐ Maybe

16. If you answered "Maybe" to question 15, please elaborate.

17. Do you think the use of automated exercise generation is more suitable for formative (tutorials) or summative (class test) assessments? *

- ☐ Formative
- ☐ Summative
- ☐ Both

18. If you had a tool which could automatically generate exercises and step-by-step solutions, would you use it, and if so, how?

19. Overall thoughts and conclusions about exercises and solutions received.

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