Background Questionnaire

*Required

1. **Please enter your participant ID** *

   ....

2. **What is your birth year?** *

   ....

3. **Gender** *
   Mark only one oval.

   ◯ Male

   ◯ Female

4. **What is your current education level?** *
   Mark only one oval.

   ◯ 1st year undergraduate

   ◯ 2nd year undergraduate

   ◯ 3rd year undergraduate

   ◯ Master's student

   ◯ PhD student

   ◯ Other: ....

5. **What is your course?** *
   Mark only one oval.

   ◯ Computer Science

   ◯ Computer Science and Mathematics

   ◯ Artificial Intelligence and Computer Science

   ◯ Software Engineering

   ◯ Information Technology Management

   ◯ Enterprise Computing

   ◯ Advanced Computer Science

   ◯ Advanced Software Engineering

   ◯ Software Systems and Internet Technology

   ◯ Information Systems

   ◯ Other: ....

6. **Do you have industrial work experience in a Computer Science related field?** *
Mark only one oval.

○ None

○ Less than 6 months

○ 7--12 months

○ 1-2 years

○ 3-5 years

○ 6-10 years

○ More than 10 years

7. **How much programming experience do you have?** *
Mark only one oval.

○ None

○ 1 year or less

○ 2 years

○ 3 years

○ 4 years

○ 5-10 years

○ More than 10 years

8. **How much programming experience do you have in Java?** *
Mark only one oval.

○ None

○ 1 year or less

○ 2 years

○ 3 years

○ 4 years

○ 5-10 years

○ More than 10 years

9. **How many programming languages do you know?** *
Mark only one oval.

○ 1-2

○ 3-5

○ 5-10

○ More than 10

10. **Have you used JUnit (or similar testing frameworks) before?** *
Mark only one oval.

○ Yes

○ No

11. **Have you used Eclipse before?** *
Mark only one oval.

  ◯ Yes

  ◯ No

12. **Do you have any prior experience with automated test generation?** *
Mark only one oval.

  ◯ Yes

  ◯ No

13. **How well do you understand the concept and usage of code coverage?** *
Mark only one oval.

  ◯ Not at all

  ◯ Very poorly

  ◯ Somewhat poorly

  ◯ Well

  ◯ Very well

14. **How often do you write unit tests when programming?** *
Mark only one oval.

  ◯ Never

  ◯ Rarely

  ◯ Occasionally

  ◯ Often

  ◯ Always

15. **For each code snippet, state whether you think it is correct Java syntax** *
Mark only one oval per row.

	True	False
public sum(int x, int y) {return x + y; }	◯	◯
for (int x = 0; x++ < 10;) System.out.println(x);	◯	◯
String s = "a = " + 11;	◯	◯
Object obj = new String("hello world");	◯	◯
void m() throws Exception { throw Exception(); }	◯	◯

16. **For each JUnit assertion, state whether you think it would evaluate to true or false** *

Mark only one oval per row.

	True	False
assertEquals(20, 4*5)	◯	◯
assertTrue(new ArrayList<String>().isEmpty())	◯	◯
assertNull(null)	◯	◯
assertEquals(2.0, Math.sqrt(4.0), 0.1)	◯	◯
assertSame(new Object(), new Object())	◯	◯

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