

Appendix D: Skill Assessment Survey

Volunteer # _A01772483_

Rank the following on scale from 1-5, where 1 represents beginner, 3 novices, and 5 experts.

1. Beginners will have a working knowledge of the skill, but no practical experience. A novice will have at least 2 year of practical experience, in either academic or industrial settings. An expert will have more than 3 years of experience.

- a. Java network programming using channels? ☒1 2 3 4 5
- b. Java network programming using sockets? ☒1 2 3 4 5
- c. UML? 1 ☒2 3 4 5
- d. Good design principles such as modularity etc. 1 2 ☒3 4 5
- e. Multithreaded programming using Java? ☒1 2 3 4 5

2. Can you quantify in terms of Lines of Code (LoC) for your most complex Java programming project?

- ☒a. Less than 1,000 LoC
- b. Between 1,000 and 10,000 LoC
- c. Between 10,000 and 20,000 LoC
- d. Between 20,000 and 100,000 LoC
- e. More than 100,000 LoC

3. How many years of programming experience do you have?

- a. No prior programming experience
- b. Less than 1 year
- c. Between 1-3 years
- ☒ d. Between 3-5 years
- e. More than 5 years

4. How many years of Java programming experience do you have?

- a. No prior programming experience
- b. Less than 1 year
- ☒ c. Between 1-3 years
- d. Between 3-5 years
- e. More than 5 years

5. Please select your favorite programming languages?

- a. Java
- ☒ b. C#
- c. PHP
- d. Ruby and Rails
- e. C++
- f. Other

6. What is your computer science education background?

- a. BS/BE
- b. MS

☒ c. Ph.D.

d. Other

7. Which of the following courses have you taken as part of your computer science curricula?

a. Object Oriented Design

☒ b. Software Engineering

c. Unified Modeling Language

☒ d. Object-Oriented Programming

e. Multithreaded Programming

☒ f. Network/Distributed Programming

