Appendix D: Skill Assessment Survey

Volunteer # \_\_\_\_\_\_\_\_\_

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.
2. Java network programming using channels? 1 2 3 4 5
3. Java network programming using sockets? 1 2 3 4 5
4. UML? 1 2 3 4 5
5. Good design principles such as modularity etc. 1 2 3 4 5
6. Multithreaded programming using Java? 1 2 3 4 5
7. Can you quantify in terms of Lines of Code (LoC) for your most complex Java programming project?
8. Less than 1,000 LoC
9. Between 1,000 and 10,000 LoC
10. Between 10,000 and 20,000 LoC
11. Between 20,000 and 100,000 LoC
12. More than 100,000 LoC
13. How many years of programming experience do you have?
14. No prior programming experience
15. Less than 1 year
16. Between 1-3 years
17. Between 3-5 years
18. More than 5 years
19. How many years of Java programming experience do you have?
20. No prior programming experience
21. Less than 1 year
22. Between 1-3 years
23. Between 3-5 years
24. More than 5 years
25. Please select your favorite programming languages?
26. Java
27. C#
28. PHP
29. Ruby and Rails
30. C++
31. Other
32. What is your computer science education background?
33. BS/BE
34. MS
35. Ph.D.
36. Other
37. Which of the following courses have you taken as part of your computer science curricula?
38. Object Oriented Design
39. Software Engineering
40. Unified Modeling Language
41. Object-Oriented Programming
42. Multithreaded Programming
43. Network/Distributed Programming