General Questions

1. What is your level of knowledge of how a CPU functions?

   1   2   3   4   5

None   Slight   Some   A lot   Full

2. Please try explain how an equation (for example, "ADD") is completed by the CPU:

3. What is your level of knowledge of register machine simulators?

   1   2   3   4   5

None   Slight   Some   A lot   Full

4. Have you used a register machine simulator?

Yes   No

        4a. If yes, please state the name, and any good/bad points about the simulator:

        4b. If yes, please briefly describe what a register machine simulator is:

5. What did the program Reggie showed you do?

6. Was the tutorial clear, concise, informative? Did it help you use the application?

7. Do you think the steps required to build a program are clear?

8. Please draw an ADD program (you do not need to use colours).

9. Please briefly explain what a register machine is, and how it relates to a CPU.

10. What do you like about this application?

11. What do you not like about this application?

12. What extra functionality should be incorporated into this application?

13. What changes would you make to the current design?

14. Any additional information, concerns, comments you would like to add?

My name is Jean Power, and I am a MSc student in IT/SD.

I have developed an application, running on the Samsung Galaxy, which simulates a Register Machine called RodRego. A register machine is a theoretical computer that consists only of memory locations, and a processing unit.

This project requires a visual interface which is clear and conveys the concept of a register machine to someone who has no knowledge of how a CPU works or what a register machine is. It is hoped that using this application will help increase knowledge of how a CPU works.

To ensure I have met these goals, I am required to do user testing.

I will ask you to use the application and complete the tutorial. Please "think out loud" and provide me with comments as you are using the application – what you are trying to do, where you are trying to go and if you have any questions.

If you do consent to participate, please note that your data will be kept completely anonymous. Any feedback you provide may be used in my thesis, in an anonymous manner.

You may withdraw your consent at any time without any penalty – just send me an email with your user number.

I will provide you with my e-mail address should you have any questions after this evaluation.

By signing below you agree to take part in this evaluation, that you are over 16 years of age, you are happy for me to use your data in an anonymous manner in my thesis and to update the deployed application as appropriate.

--   --

Signature   Date