1. Estimate how many hours you spent working with Reggie? Estimate how many times you interacted with the application.

6 times

3h

2. Which brand of phone, and size screen did you use?

Samsung Galaxy 3 mini

3. In what situations did you interact with Reggie? (eg. Commute, lunch break, watching TV?)

Commute, lunch break and dedicated time (free time).

4. What words describe the tutorial? Did it help you use the application?

The tutorial was really straightforward and easy to understand. The language was clear, concise and simple without being condescending or too easy. I really liked the example programme at the end also.

5. What improvements are needed for the tutorial? (Please consider design, wording, clarity, etc)

Additional information on branches etc? maybe some more optional ‘complicated’ examples would be nice.

6. What words describe the error messages? Did they assist you in correcting errors?

Yes, they were very clear and I could identify what was wrong.

7. What improvements are needed for the error messages?

If you could highlight exactly where the issue was it would be incredible but other than that no improvement.

8. What words describe the design?

Sleek, modern, clear, engaging, colourful, interesting.

9. What improvements to the design are needed?

None

10. Did you build any programs? Please give a brief description and attach .txt files/screenshots.

I built some standard adding and subtracting programes.

11. What additional assistance would you have needed to build programs?

I really found the simple example at the end of the tutorial useful, I would have liked some additional examples you could download. This would help me ‘reverse engineer’ some other programs.

12. Did the application perform as expected? If not, please describe.

Yes. Sometimes the boxes and arrows were difficult to move, possibly due to screen size.

Everything else responded quickly and I found no errors.

13. Briefly explain what a register machine is.

Like a simple virtual computer, it can store numbers in different registers and can be programmed to add or subtract or hold data in those registers (but never goes into the negative integers).

14. Explain how a CPU completes an operation (for example, ADD)?

The CPU processed instructions and directs the register. It carrys out millions of calculations per second. The CPU stores numbers in memory in binary and carry out calculations after reading them from memory.

15. Comment on how the concept of a register machine relates to CPU functionality.

The CPU gets a command and stores the command in memory (registers).

16. Do you feel you have increased your knowledge of CPUs and how they work, or not? Why?

Yes.

17. What do you like about this application?

The design, the concept, the way you interact with it.

18. What changes would you make to the application?

Just add additional examples.

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