**Name / Job Title**

Karen Steinback, works for sick kids hospital, Toronto.

**What you need help with / what can I do for you?**

Developing a program called “empower” – brain training program for children in grades 2-5. Modern brain research has discovered that human brains have discovered brain plasticity – it’s learning styles and they aren’t set in stone – once you learn stuff, you can learn in other styles. Through an intensive program, even children with learning disabilities can get their brain to function without the learning disability (reading even if you can’t)! People with massive brain injury being able to learn even with minor damage.

2-3 hours a day learning word sounds, sounding out words, repeating sounds, and learning to read – intensive / boring period of the day to retrain their brains. These children have learning disabilities, including spatial and logic disabilities. We’d like kids to start developing that, and therefore games need to be made to help with these! We don’t mind if it’s 2-play for social interactions / collaborations. Have access to computers (8 students, 8 computers).

**Detailed list of requirements**

* Spatial / Logical game
* 1 or 2 player
* GUI
* Grid – for math practise!
* Subject matter that’s suitable from grades 5-6
* Parent-approved!
* Comments and Methods – easily adaptable
* Instructions (in case they don’t know how to play)
* Word skills (maybe) or graphic (for other skills)
* User Friendly (Younger Students) – Good GUI!
* Winning condition / Score / Goal
* Experimentation with new widgets (good for students!) – pull-downs, radio buttons, menus
* Arrays Based!

**Users / Target Market**

Kids in the comp classes – 8 students / class. Grades 5~

**Who’s going to use the program / Stakeholders?**

Parents, teachers, sick kids, other students in the class.

**How long will the program be? Gameplay?**

* 300-3000 lines
* At least 3 screens

**Security requirements?**

* None!

**Software requirements / programming language?**

* Ready to program – Java

**Hardware requirements**

* PDSB Computers
* Intel Core 2 Duo CPU

**UI Requests**

* Minimal amount of typing, if any (kids aren’t good w/ words)
* Screen laid out well / intuitive
* Looks great!
* Pictures / Theme
* New widget!

**Deadlines / Time frame**

* TBD on Managebac

**Budget**

* $0
* BUT marked out of 8 levels – weighted 1.5 Units!