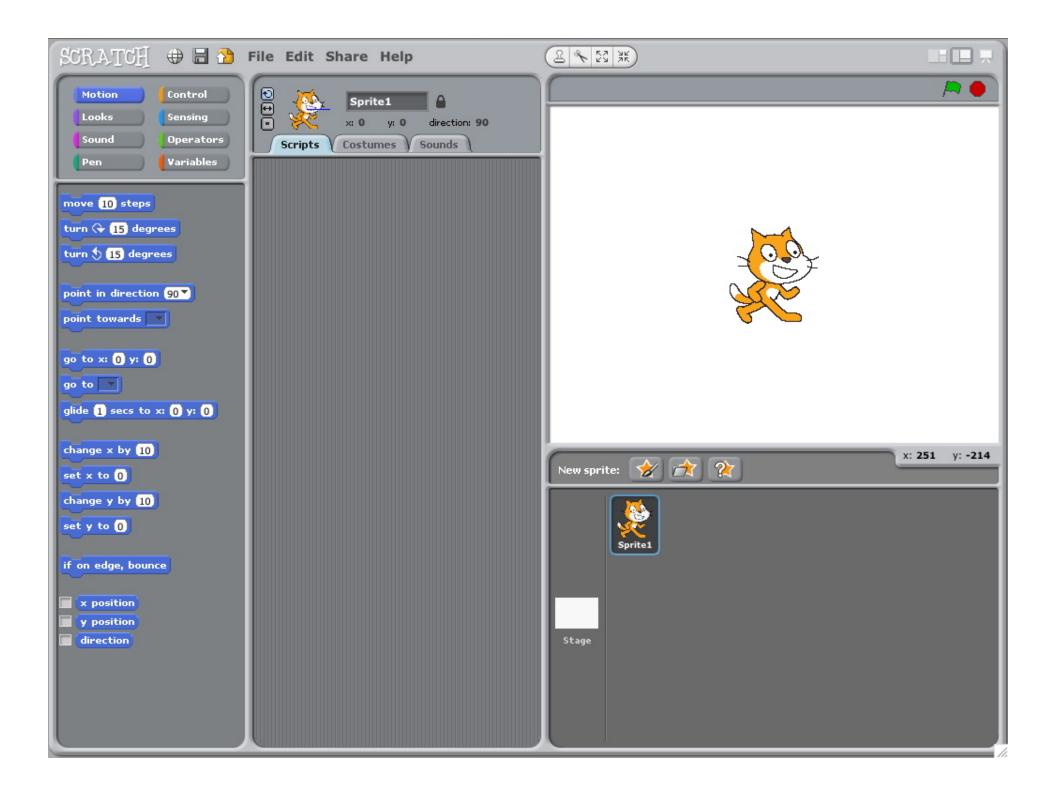
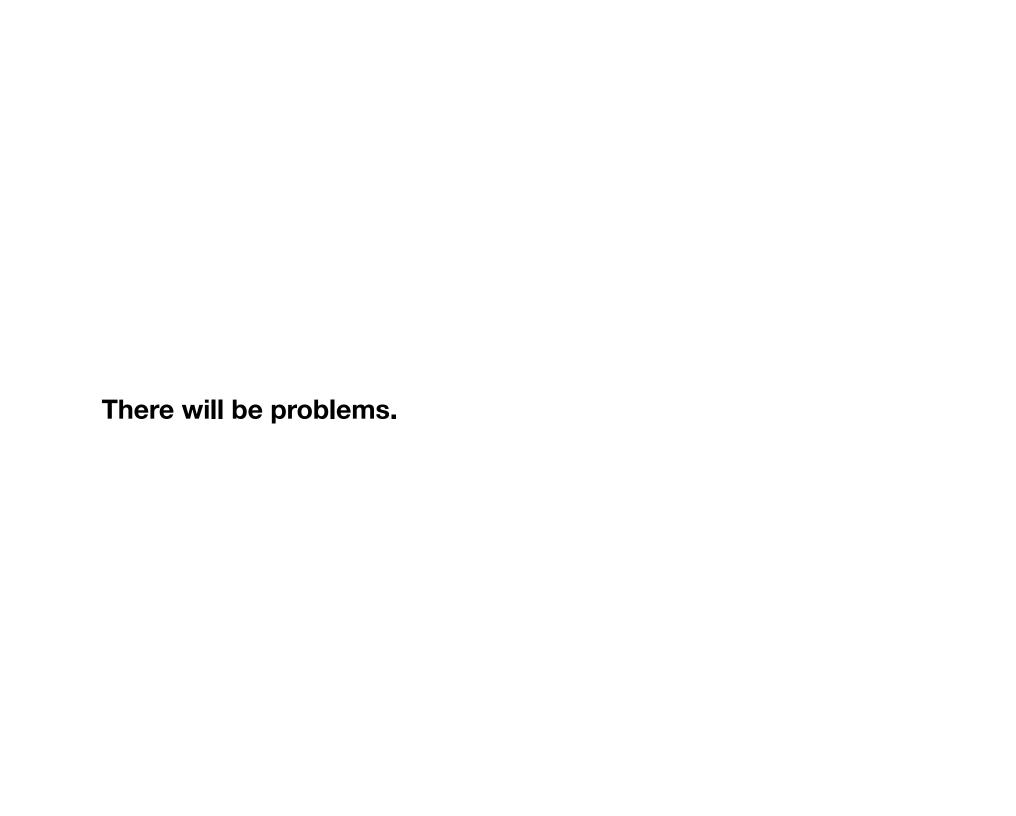


Debugging Demystified

ScratchEd Webinar Series
Wednesday, November 30, 2011
7pm – 8pm EST
Karen Brennan and Mitch Resnick





9/9 andan started 0800 9.037 847 025 1000 stopped - arctan v 9.037 846 795 conel 476415 (3) 4.615925059(-2) 13" 0 ((032) MP - MC (033) PRO 2 2.130476415 2.130676415 6-2 m 033 failed spiral speed test Started Cosine Tape (Sine check) 1523 Mult + Hoder Test. Relay #70 Panel (moth) in relay. 1545 155 andangut started. case of buy being found. 1700 closed down.

Bugs can cause anxiety.

Bugs can cause anxiety. But they don't need to.

As they puzzled together the child had a revelation: "Do you mean," he said, "that you really don't know how to fix it?"

The child did not yet know how to say it, but what had been revealed to him was that he and the teacher had been engaged together in a research project. The incident is poignant. It speaks of all the times this child entered into teachers' games of "let's do that together" all the while knowing that the collaboration was a fiction.

Discovery cannot be a setup; invention cannot be scheduled.

Strategy #1 Don't make the problem.

Be incremental. Test as you go.

Debugging is fun! Be patient.

Debugging is fun! Be patient.

Break it down.

Check your assumptions.

Sketch out the steps.

Test in a modular way.

Debugging is fun! Be patient.

Break it down.

Experiment with the code.

Read through scripts.

Experiment with scripts.

Try writing scripts again.

Debugging is fun! Be patient.

Break it down.

Experiment with the code.

Get help.

Tell someone else about the problem. Ask someone else about the problem. Look for examples that work.

Debugging is fun! Be patient.

Break it down.

Experiment with the code.

Get help.

Take breaks.

Strategy #2 Fix the problem. (Scratch strategies!)

Click on a stack.

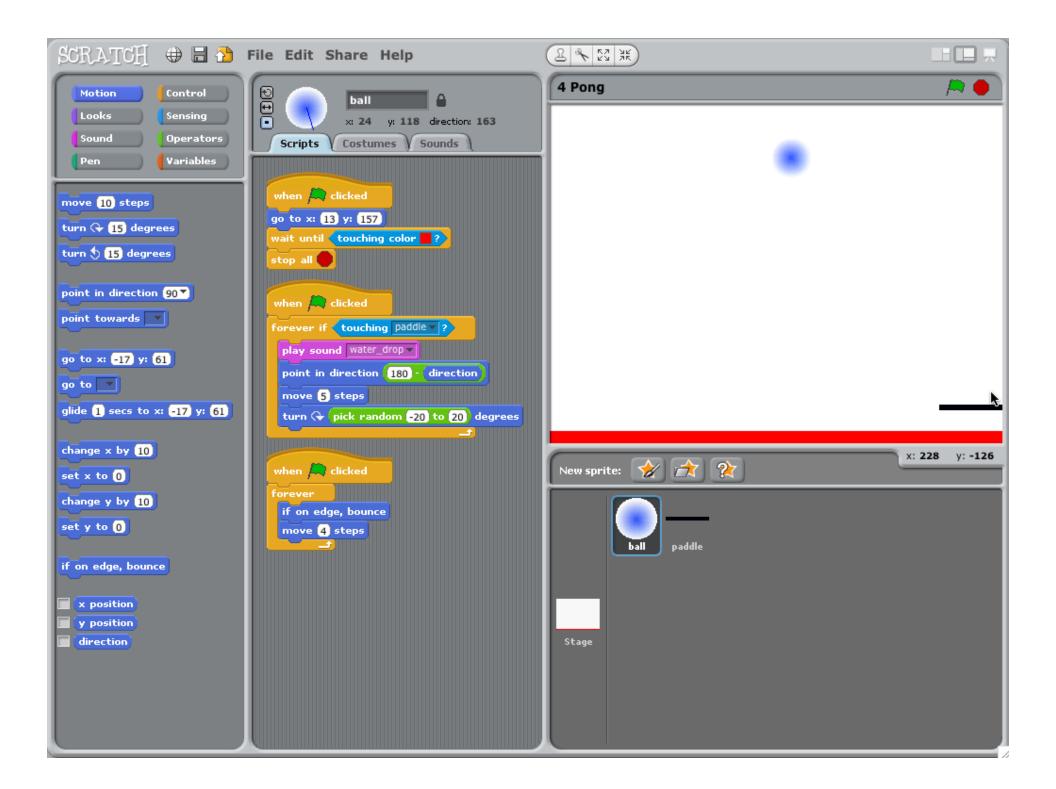
Visualize with the say block.

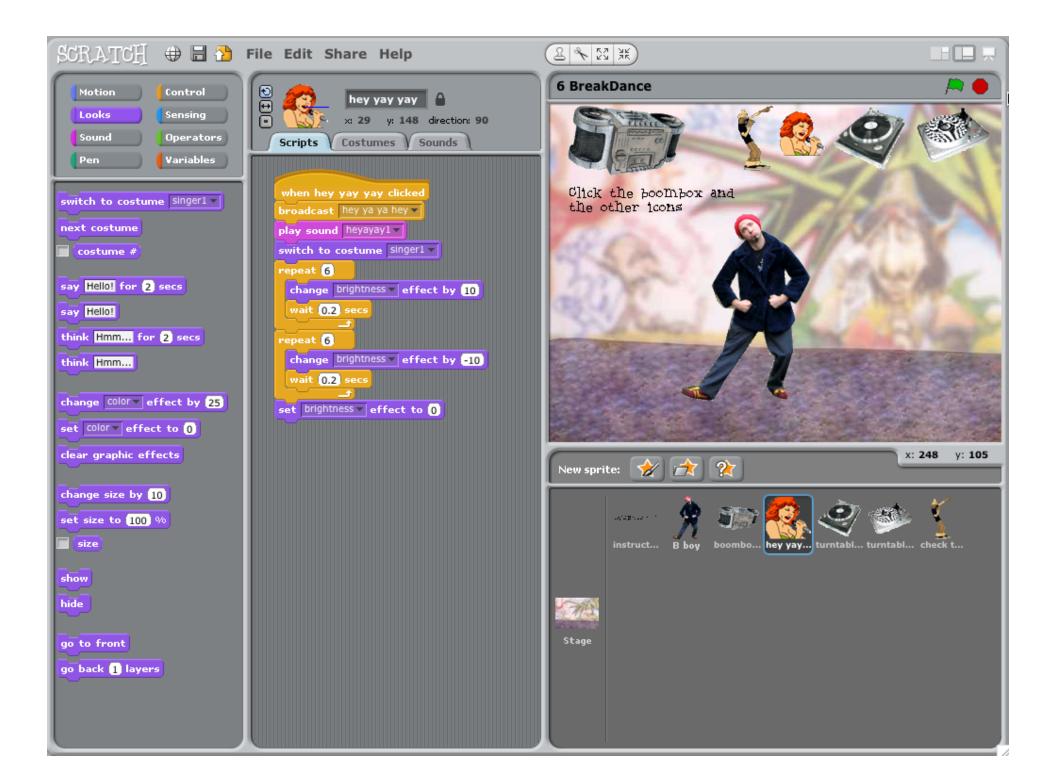
Single step.

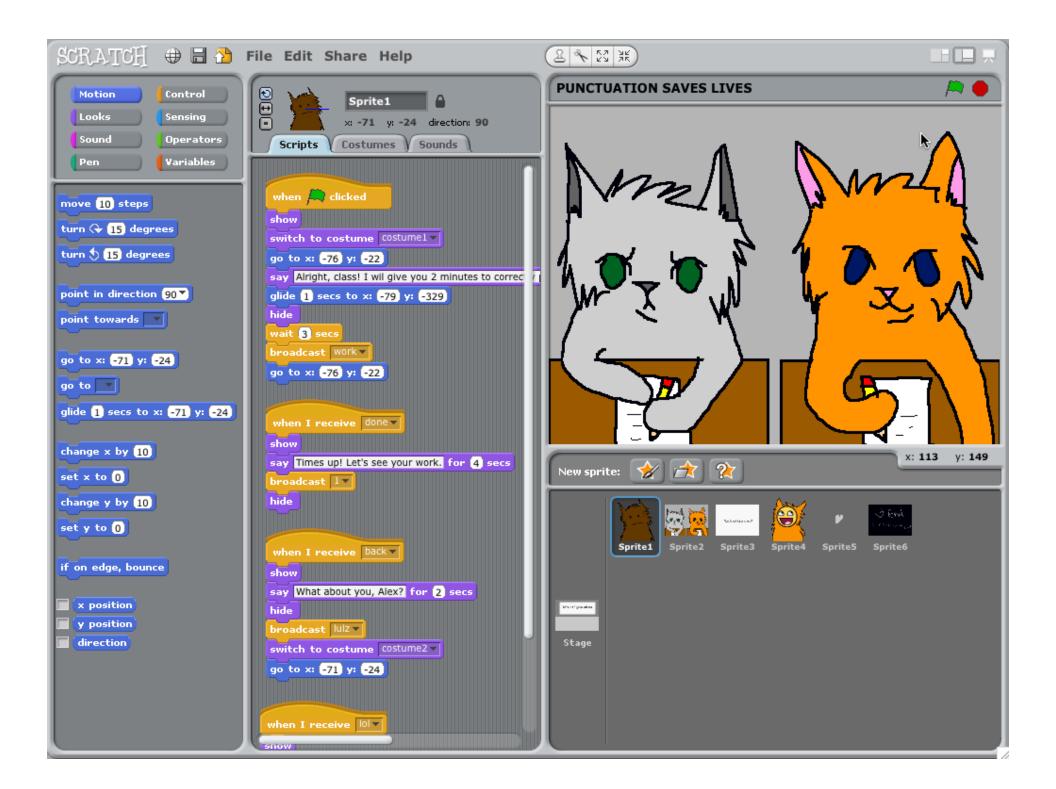
Annotate code with comments.

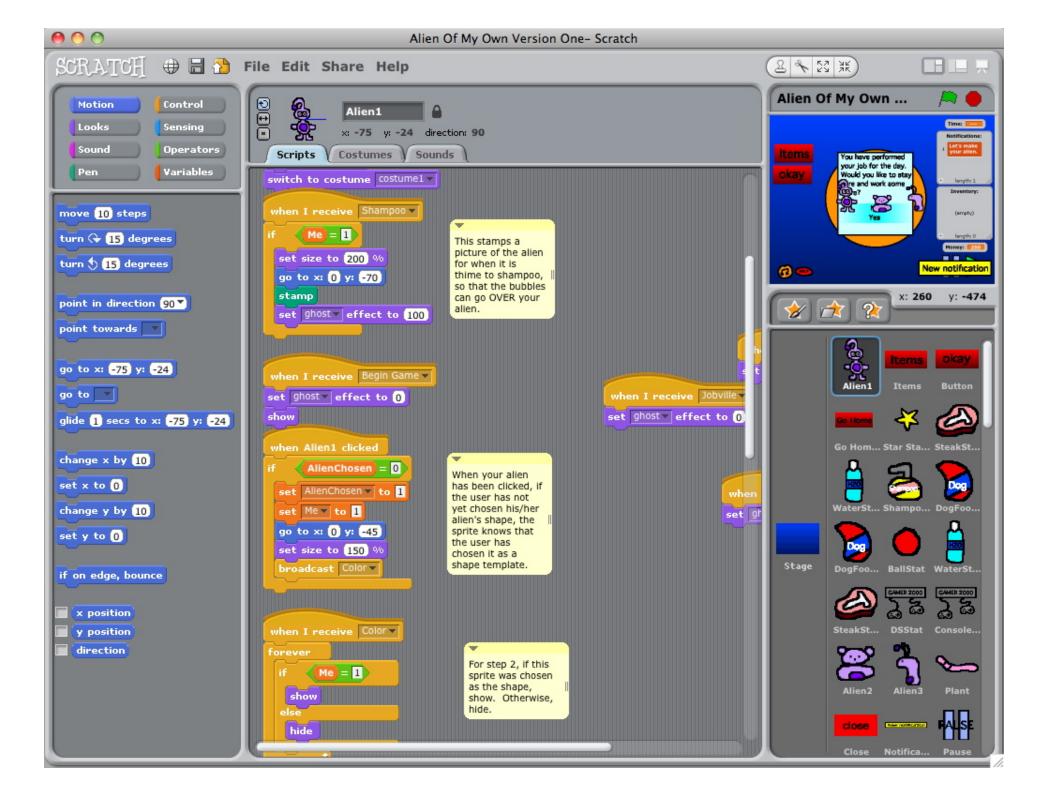
Print out scripts to see them side by side.

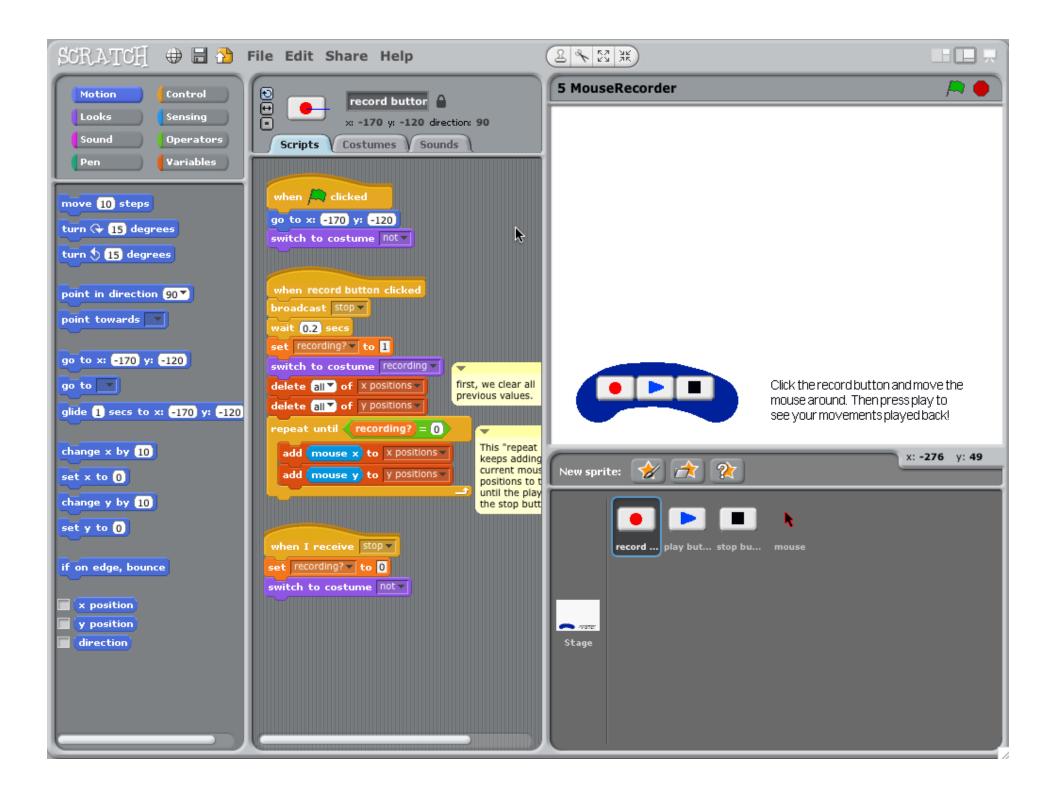
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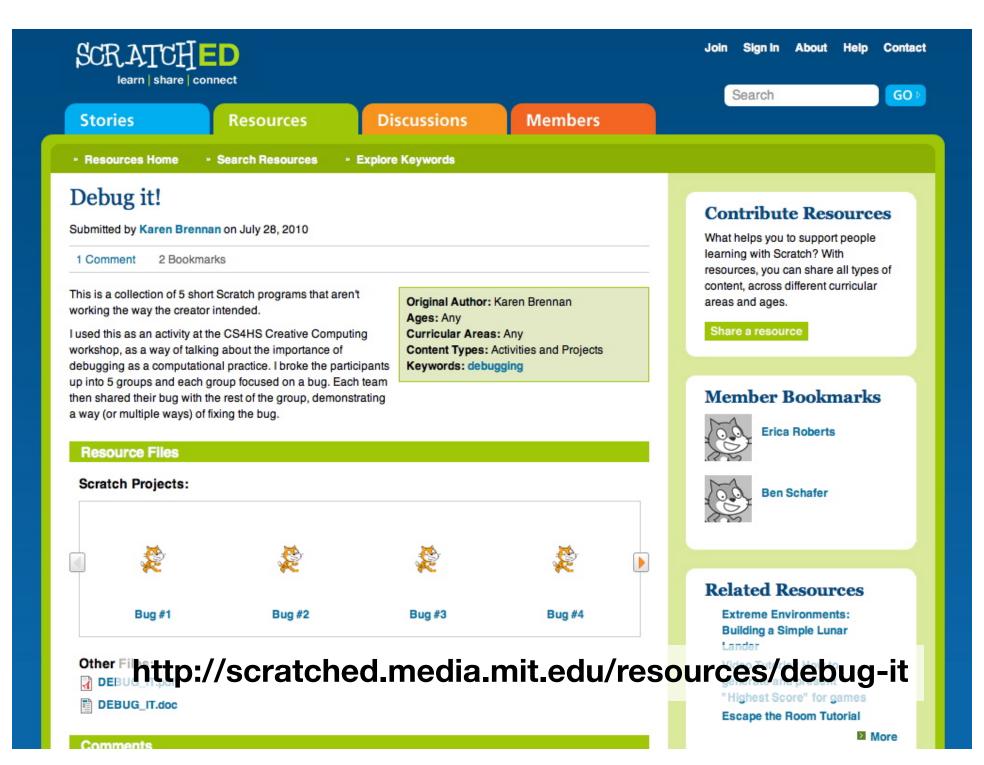
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Topic	Replies	Views	Last post
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Sprite by Aira2805 [New posts]	4	37	Today 06:47:23 by muppetds
Editing someone else's project by Lemonade123	3	27	Today 05:56:24 by RedRocker227

Strategy #3 Change your goal.



Debugging challenges



One of my fis	sh isn't swimming	right!	

I am new to Scratch and stuck building a space invaders game. The ship works and can fire at a sprite. But when it hits the sprite nothing happens. I have tried more than one solution without any luck so far. Any advise would be great.

I made this for my programming class. Problem is though, is when the turkey sprites are suppose to follow the mouse pointer until they reach the destination (table) or hit one of the sides (black lines) the script should restart. Instead of even following the mouse pointer, right when the numbers count down and the game should start, instantly the game screen disappears and it goes back to the interface. Like I said before, it should ONLY do this when a black line or the table is touched. Can you tell me what I did wrong?

Thank You!

http://www.surveymonkey.com/s/2011-11-webinar

Next webinar: Wednesday, January 25, 2012 at 7pm

http://scratched.media.mit.edu

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