

CompSci 4

Alice – Chap 2 – Sec 1

Sep 6, 2007



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Announcements

- Checkoffs from Chap 1
- Read Chap 2, Sec 2 for next time
 - (only read, don't do it in Alice yet)
- Reading Quiz due

Top 10 List – Surviving CompSci 4

10. Ask Questions
9. Read the Book
8. Visit your professor in her office
7. Learn how to spell Rodger
6. Keep working until it is correct

Top 10 List (cont)

5. Read the Compsci 4 bulletin board
4. Attend class – Be on time!
3. Start Alice assignments early
2. Seek help when stuck (1 hour rule)
1. Keep number for Randy's Pizza handy

Animation Programs: Scenarios and Storyboards

- 2-step process for creating animations
 - Step 1: Design (today)
 - Step 2: Implementation (next time)

Step 1: Design

- Decide on problem to be solved
 - Often problem is given to you, by instructor or boss
 - Other times, you make it up!
 - We will do both
- Design a solution
 - Use a storyboard design

Example Problem (scenario)

- The scenario is:

A robot has landed on the moon and is out looking around. Suddenly an alien peeks out. The robot turns his head to look and walks over and the alien hides. The robot turns to look at the camera and says, “Houston, we have a problem!”

- The problem is:

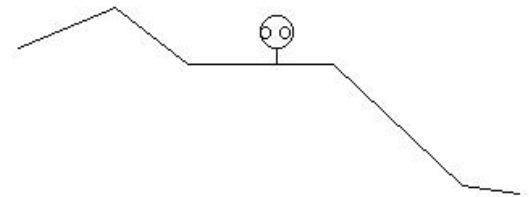
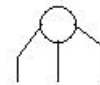
How can we create this animation?

Designing a Solution

- First decide on objects for the scene
- Then, create a storyboard
 - A list of actions
- A storyboard can take two forms
 - Sketches
 - Textual “to do” list

Objects in the scene

- Objects: robot, alien, lunar lander, rocks
- Opening scene: a moon scene
- A quick sketch:



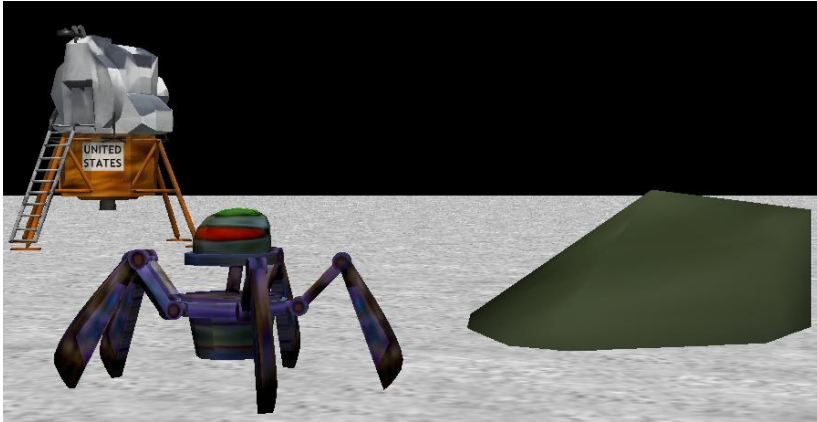
- Don't have to be an artist!

Storyboard Template

- Scene number
- Scene sketch (picture)
- Description
- Sound
- Text

A Storyboard

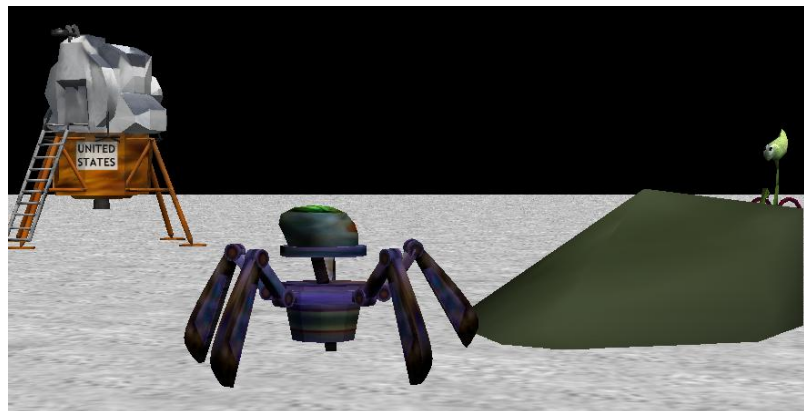
Initial scene



Alien appears



Robot turns and moves forward



Storyboard in Text form

- Animation artists (Disney or Pixar) sketch their storyboards
- You may not have such expertise, so can also use a textual form

Alien pops up and makes noise.

Robot turns head and moves toward alien.

Alien drops back behind rock.

Robot faces camera, turns red and says
“Houston we have a problem!”

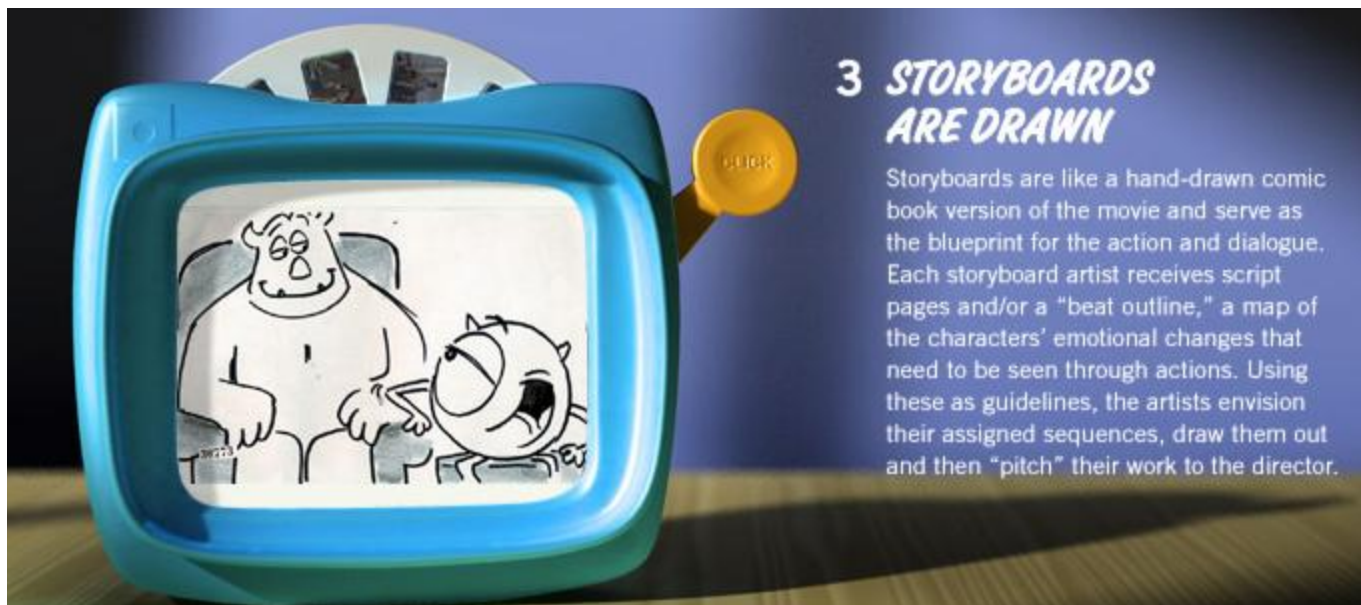
Like a “to do” list

How does Pixar make movies?



From
Pixar
website

How does Pixar make movies? (cont)



From
Pixar
website

Camera Control

- Remembering a Camera Position
 - May move the camera, then want to move it back
 - May want to remember a good camera position
- Use a Dummy Camera Marker
 - ALWAYS save original camera position
 - See handout

Today's class and assignment

- Finish work from last class
 - Get checked off
- Write a storyboard and camera control exercise
 - Get checked off
 - MUST FINISH AS HOMEWORK if don't complete in class
- For next time
 - Read Chapter 2, section 2, and tips and tech 2
 - Reading quiz before next class