Weeks 8 & 9

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CRA DMP Summer 2008
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The Plan

- LIT Review: Game Over: Learning by Dying

- Dance Tool

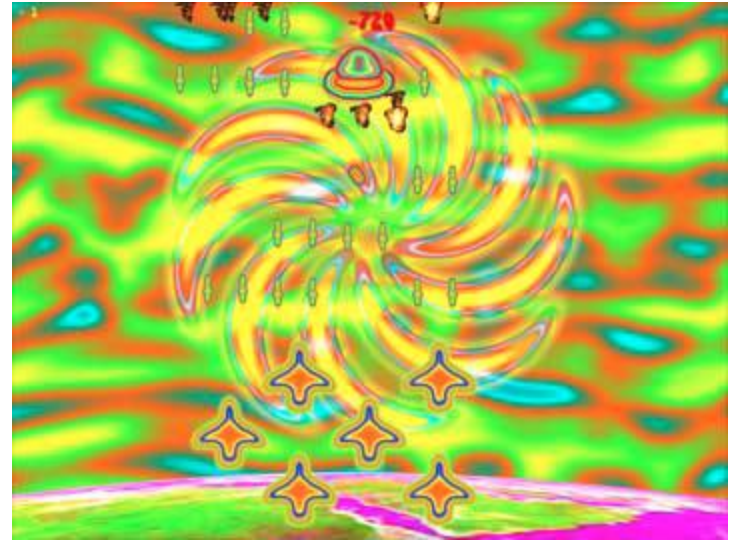- Plans for the Future

Lit Review

Motivation: Lack of accessibility in games
- ◦ Knowledge of accessibility guidelines are either ignored or not fully understood

Solution: Game Over: Learning by Dying
- ◦ Similar concept to Space Invaders
- ◦ Very difficult to play
- ◦ Fun way to teach the importance of accessibility
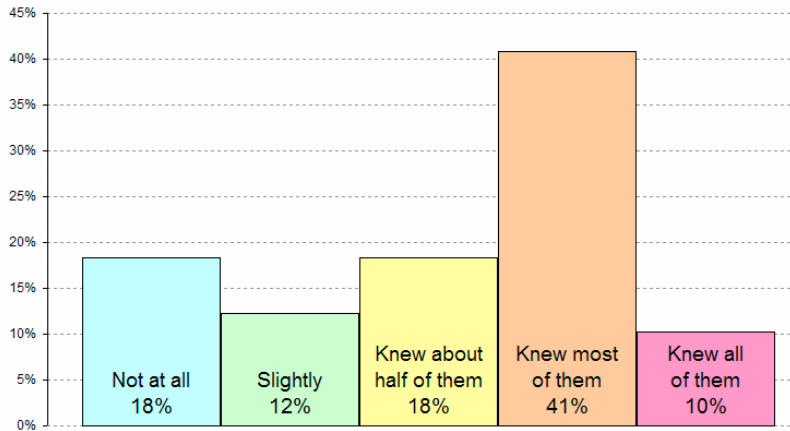- ◦ To die is to learn

Lit Review

Literature Review

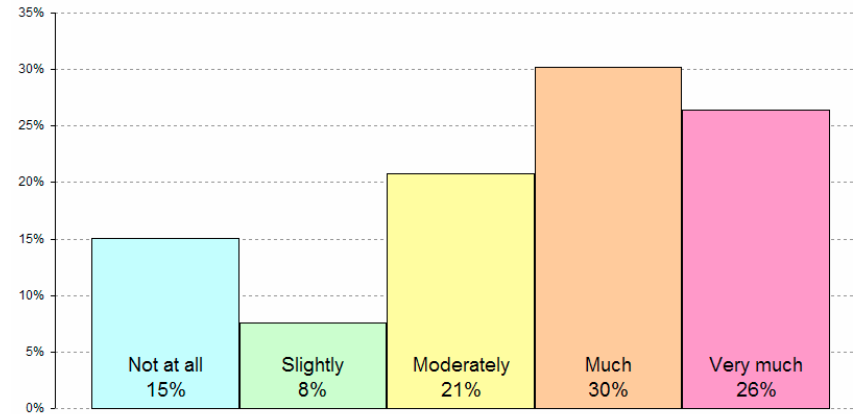Evaluations

- Electronic forms were released with the web-based game (239 registered; 49 returned forms)
  - 5 multiple choice questions
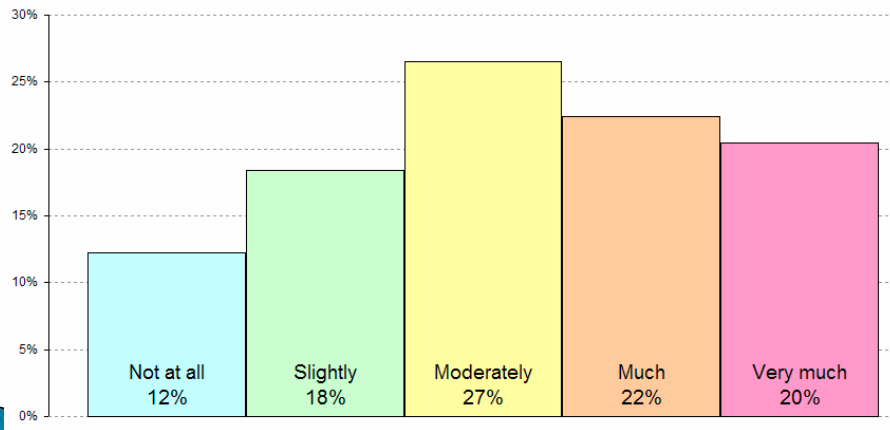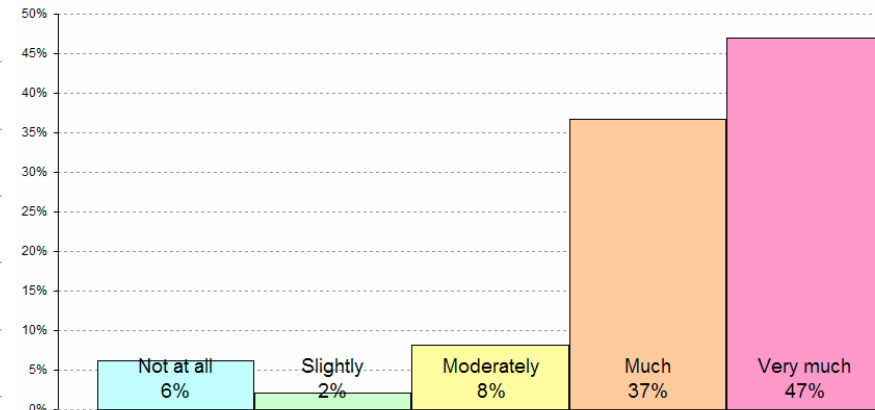 - Additional question asking for further comments

LIT Review

Q1. How familiar were you with the accessibility guidelines presented in "Game Over!" before playing the game?

Bar chart values: Not at all 18%, Slightly 12%, Knew about half of them 18%, Knew most of them 41%, Knew all of them 10%

Q2. How much do you think that playing "Game Over!" helped you familiarize with game accessibility guidelines and their application?

Bar chart values: Not at all 15%, Slightly 8%, Moderately 21%, Much 30%, Very much 26%

Q3. How much fun did you have playing the game?

Bar chart values: Not at all 12%, Slightly 18%, Moderately 27%, Much 22%, Very much 20%

Q4. How useful would "Game Over" be as an educational Tool?

Bar chart values: Not at all 6%, Slightly 2%, Moderately 8%, Much 37%, Very much 47%

Literature Review

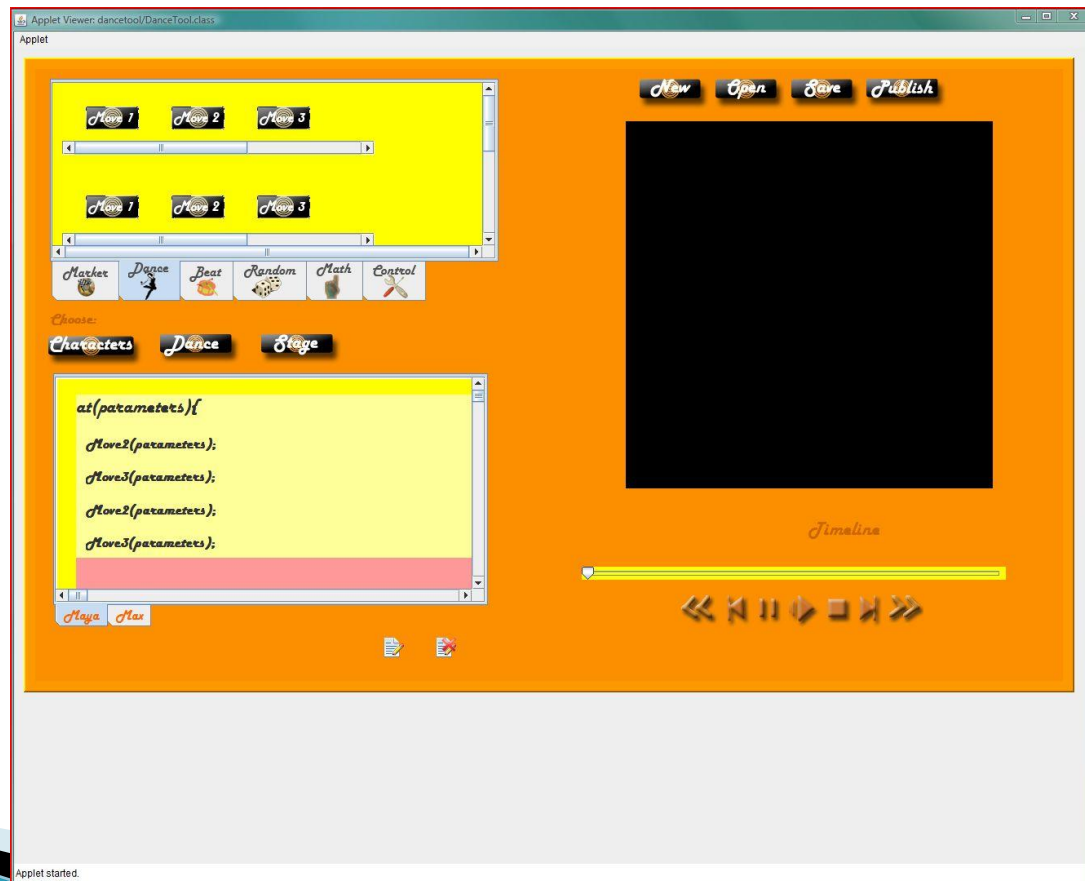Contributions
- ▸ Address lack of accessibility in Games

Literature Review

Future Work

- ▸ Better evaluation methods

- ▸ Background information on guidelines

Dance Tool

The Plan: Making the Dance Tool Interface fully functional

Variable Generator

Dance Tool

Dropping functions (dance moves) into the Notepad & Timeline

Problems

Notepad Resizing

Lessons Learned

- Audio features in Java

- Layout features

- Mastered drag and drop

Next Week….

- Finish drag and drop functionality

- Finish timeline

References

Java Tutorials: "How to Use Borders"

http://java.sun.com/docs/books/tutorial/uiswing/components/border.html.

July 20, 2008

Java Media Framework – How do I get a JSlider to follow the elapsed time of a song? And also seek.

http://forums.sun.com/thread.jspa?messageID=10225185.

July 22, 2008

Java Tutorials: Playing Sounds

http://java.sun.com/docs/books/tutorial/deployment/applet/sound.html.

May 21, 2008

Any Questions?

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