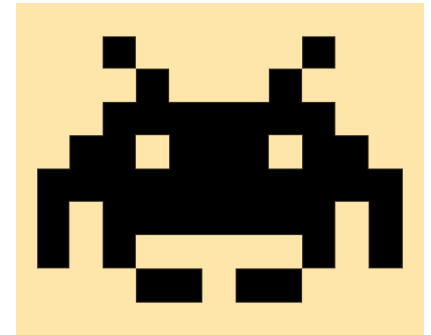




CSCI 1106 Lecture 10

Game Polish



Announcements

- Game show-and-tell this Thursday/Friday in lab
- Documents due in class next Monday
- Today's Topics
 - Why polish?
 - What is polish?
 - Types of polish
 - Prioritizing polish

Sell Games and Influence People

- What makes a game good?
 - Idea behind the game
 - Unifying theme
 - Story line
 - Game mechanics
- What makes a game great?
 - The small details
 - The look of the game
 - The game effects
 - The interesting quirks
 - The lack of annoying quirks

Many are Called but Few are Chosen

- A polished game is
 - More compelling and immersing
 - More likely to be played longer
 - More appealing to new players
- A polished game will
 - Get better reviews
 - Get more praise on social media and word of mouth
 - More likely become popular
 - Likely sell more copies
- It's in our interest to make sure that games are as polished as possible!

What is Game Polish?

- A process to reduce the number of minor issues associated with the game
- This involves
 - Fixing minor bugs and anything that detracts from the consistency of the game
 - Touching-up graphics
 - Refining game mechanics
 - Adding minor features and special effects

Scheduling Game Polish

- Schedule game polishing as part of your overall development plan
 - Don't assume you will have extra time to do this after you finish the main development
- Game polish is not the same as debugging or fixing major problems
 - You should budget time for this as well
- Should be done throughout the game development cycle
 - Typically kicks in once the game is stable and working
- Done in concert with playtesting

Types of Game Polish

- Resolution of issues (1st priority)
 - Stability
 - Consistency
 - Playability
 - Understandability
- Refinement of the game mechanics (2nd priority)
 - Realism, environment, and actions
 - Graphics
 - Audio
- Additional features (3rd priority)
 - Special effects
 - Side stories and bonus rounds
 - Easter eggs
 - Special objects

Resolution of Issues

- Stability issues
 - Bugs
 - Memory usage
 - Hardware optimization
- Consistency issues
 - Story line
 - Game mechanics
 - Unifying theme
- Playability issues
 - Game mechanics (Rules, Environment, Actions, Chance (Randomness), Skills)
 - Game control (mouse, keyboard, text, buttons)
 - User interface layout



Resolution of Issues II

- Understandability Issues
 - Game manual
 - Presentation of information during the game
 - Demonstration of how to play the game
 - Recommended controller use
- How are these issues discovered?

Playtesting!

Refinement of Game Mechanics

- Realism
 - Physics simulation
 - Projectile behaviour
 - Object motion
 - Character behaviour
 - E.g., the more a character is carrying the slower it is
 - Character rendering
 - Ancillary objects: hair, clothing, etc
 - Character motion
 - Natural motion: walking, running, jumping, etc

Refinement of Game Mechanics II

- Graphics
 - Detail
 - Photorealism
 - Graphic design
- Audio
 - Fidelity
 - Sound effect/action pairing
 - Interaction (voice)

Additional Features

- Special effects
 - Explosions
 - Transitions
 - Intermissions
- Side stories and bonus rounds
 - Additional miniquests for the players
 - Additional levels
 - Backstory

Additional Features II

- Easter eggs
 - Secret features
 - Activated by clicking on specific objects on the screen
 - Allows developers to add more of their own creativity into the game
- Special objects
 - Give the character additional powers
 - Do not affect the general play of the game

Polish vs Playtest Priorities

Prioritizing polish

1. Resolve issues
 - a. Stability issues
 - b. Consistency
 - c. Playability and Understandability
2. Refine game mechanics
 - a. Physics and controls
 - b. Character motion
 - c. Character rendering, graphics, and audio
3. Add features
 - a. Special effects
 - b. Side stories and bonus rounds
 - c. Easter eggs and special objects

After the Playtest

- Keep track of all the players
 - You can invite them back for additional playtests
- Collect and organize your notes
- **Categorize your observations**
 - **Bugs (high priority)**
 - **Playability Issues (high priority)**
 - **Understandability issues (high priority)**
 - **Suggestions (low/medium priority)**
 - **Other feedback (informational)**
- Address the bugs and the issues
- Playtest the game
- Repeat until game is awesome