WPI

IMGD 1001:
Game Design Documents

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Types of Game Design Docs

- ☐ Concept Document
- ☐ Proposal Document
- ☐ Technical Specification
- ☐ Game Design Document
- ☐ Level Designs

IMGD 1001   2

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Concept Document (1 of 2)

- ☐ Used to explore game idea in more detail
- ☐ Often used as a proposal within an organization
- ☐ Developed by designer or visionary
- ☐ A short sales pitch: 1-3 pages
- ☐ May have no art, or amateur art
- ☐ Many ideas never get farther than this

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Concept Document (2 of 2)

- ☐ Must include:
  - ▪ Intro
  - ▪ Description
  - ▪ Key features
  - ▪ Genre, spin, flavor
  - ▪ Platform(s) / market data
- ☐ May also include:
  - ▪ Background / License info
  - ▪ Concept art

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High Concept (1 of 2)

- ☐ The key sentence that describes your game
- ☐ MUST get the concept across concisely and quickly
- ☐ If you can't, it may be too complicated to sell

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High Concept (2 of 2)

- ☐ Not so good:
  - ▪ "MindRover is a game in which players build and program robotic vehicles to compete in a variety of challenges including battles, races, puzzles, and sports."
- ☐ Better:
  - ▪ "MindRover is like *Battlebots* … but with brains."
  - ▪ Still not good enough
  - ▪ Let's see if we can do better! … (next slide)

IMGD 1001   6

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Exercise: High Concept

- Pick one of these 4 games
  - *Burnout*
  - *Grand Theft Auto*
  - *Zelda - Twilight Princess*
  - *Dance Dance Revolution*
- Write a high concept for it
- Form groups based on game choice
- Agree on one

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Proposal Document (1 of 2)

- Used to get a deal
- Shown to publishers and 3rd parties
- Enough detail to show that the proposal is viable: 5-50 pages
- Sales oriented
- Big picture
- Polished!

IMGD 1001 8

Proposal Document (2 of 2)

- Must include:
  - Revised concept
  - Market analysis
  - Technical analysis
  - Schedule
  - Budget
  - Risks
  - Cost and revenue projections
    - Pessimistic, likely, optimistic
  - Art

IMGD 1001 9

Technical Specification (1 of 2)

- The 'How' of game design
- Contains the architectural vision; technology to be used
- Engineering detail
- Production detail
- Owned by tech director or chief engineer
- Can be exhaustive (and exhausting): 10-100 pages

IMGD 1001 10

Technical Specification (2 of 2)

- Must include:
  - Tooling
  - Art / Music / Sound / Production pipeline
  - Technology detail
    - Platform & portability issues
    - Networking or special tech
    - Server details
  - Software engineering info
    - Major design elements
    - Key areas of technical risk
    - Alternatives to risky or expensive sections

IMGD 1001 11

Game Design Document (1 of 2)

- Functional spec: The 'What' of the design
- Describes the player's experience and interactions in detail
  - Could be quite long, several hundred pages, but "enough" is the goal.
- Artistic feel
- Owned by the game designer
- A living document
- "The Bible"

IMGD 1001 12

2

Game Design Document (2 of 2)

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□ Must haves
- Game mechanics
- User Interface
- Visuals
- Audio
- Story (if any)
- Level Specs

IMGD 1001   13

Useful links

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□ Chris Taylor's sample design doc, in HTML and .doc format:
http://www.fafhrdproductions.com/ctaylordesign.htm
http://www.jonathanjblair.net/ctaylordesigntemplate.zip

□ Tim Ryan's <u>excellent</u> two-part description of game design docs:
http://www.gamasutra.com/features/19991019/ryan_01.htm
http://www.gamasutra.com/features/19991217/ryan_01.htm

IMGD 1001   14