

## What is Game Design?

### What is a game?

- 1. A set of interconnected elements for structuring play
- 2. An event where one or more players interact with a play structuring system

#### What is a game element?

▶ Anything that is "found in most (but not necessarily all) games, readily associated with games and found to play a significant role in gameplay"

Game design involves creating a system of game elements to facilitate interaction

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### **Game Element Classes**

#### Artifacts

 Artificial objects and systems used to structure play

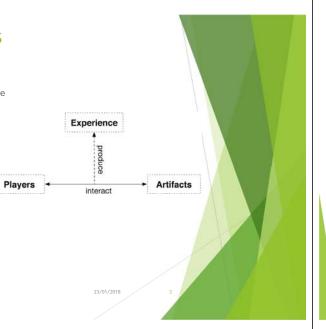
### **Players**

► Human or non-human agents who use game artifacts to structure play

#### Experience

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► Elements that emerge from player-artifact interaction



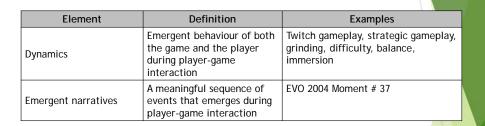
### **Artifact Elements**

Element	Definition	Examples
Game mechanics	Elements used by game developers to challenge players	Quest, combo, puzzle, timer, skill, randomness, level, loot drop
Narrative mechanics	Elements used by game developers to advance plot	Dialogue, comm chatter, audio log, video log, moral choice, codex entry
Technology	Tangible or intangible artifacts used to deliver game elements or play the game	Gamepad, mouse, keyboard, tablet, smart phone, game engine, programming language
Embedded narratives	Stories told by the developers to players through narrative and game mechanics	Overall story told through cut scenes, dialogue, codex entries, and game progression

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## **Experience Elements**



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## **Player Elements**

Element	Definition	Examples
Aesthetics	The emotions evoked by a game	Challenge, competition, drama, exploration, horror, humour, fellowship
Interpreted narratives	A player's mental representations and interpretations of a game's intended or emergent narratives	Player interpretation of twist or ambiguous game endings

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### Game and Narrative Mechanics

Game mechanics challenge the player while narrative mechanics advance the plot of a game

Not mutually exclusive - an element can be a game *and* a narrative mechanic

# Narrative Examples

Teller	Audience	Example
Developer	Player	Cut scenes in Metal Gear Solid
Developer	Observers	Destiny non-playable demo at the E3 2013 Conference
Player	Him or herself	Player develops a model of his or her hometown in SimCity
Players	Players	Three friends cooperate to survive the night in DayZ
Players	Observers	Underdog achieves unlikely victory in Starcraft tournament

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## **Aesthetics**

- 1. Sensation game as sense-pleasure
- 2. Fantasy game as make-believe
- 3. Narrative game as drama
- 4. Challenge game as obstacle course
- 5. Fellowship game as social framework
- 6. Discovery game as uncharted territory
- 7. Expression game as self-discovery
- 8. Submission game as pastime
- 9. Competition game as dominance

A game can evoke multiple aesthetics

► Aesthetics are player specific

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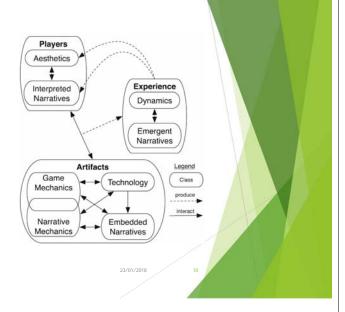


### Interconnections

Game elements are interconnected

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Within classes and between classes



## **Bad Game Design**

Often occurs as a misalignment game elements

#### Examples:

- ▶ Game mechanics and embedded narrative (ludonarrative dissonance)
- ▶ Game mechanics and emergent narrative
- Game mechanics and aesthetics
- Dynamics and aesthetics
- ▶ Game mechanics and technology



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