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About me

- Unreal Tournament Modder
- Hi-Rez Studios Level Designer







Definitions

- Competitive professional tournaments
- Casual recreational play







Definitions

- Competitive professional tournaments
- Casual recreational play

But also:

- The motivations of competitive play
- The motivations of casual play







Definitions continued

- Competitive professional tournaments
- Casual recreational play

The Holy Grail - a way to serve both







Greatest Multiplayer Maps of All Time?





UT99



CTF-Face "Facing Worlds"









DM17
"Longest Yard"
Quake 3: Arena















"Blood Gulch" Halo: Combat **Evolved**





















Big, Open Environments







- Big, Open Environments
- Iconic themes







- Big, Open Environments
- Iconic themes
- Sandbox of play







- Big, Open Environments
- Iconic themes
- Sandbox of play
- Conflict through simplicity







- Big, Open Environments
- Iconic themes
- Sandbox of play
- Conflict through simplicity
- Not played competitively?







Competitive counterparts?

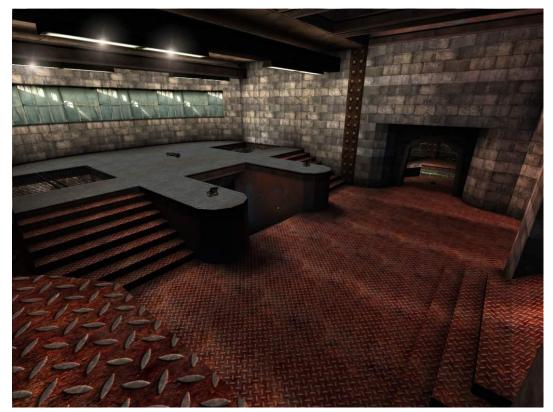








DM-Malevolence UT99

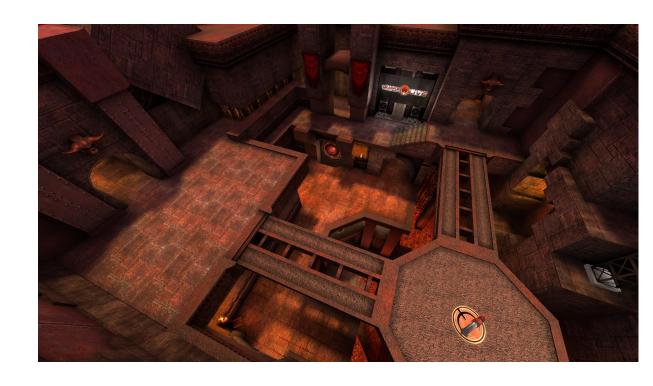








"Lost World" Quake 3 Arena















"Chill Out"

Halo: Combat

Evolved











- Big, Open Environments
- Iconic themes
- Sandbox of play
- Conflict through simplicity
- Not played competitively?







- Big, Open Environments complex interior spaces
- Iconic themes
- Sandbox of play
- Conflict through simplicity
- Not played competitively?







- Big, Open Environments complex interior spaces
- Iconic themes clean, minimalist themes
- Sandbox of play
- Conflict through simplicity
- Not played competitively?









- Big, Open Environments complex interior spaces
- Iconic themes clean, minimalist themes
- Sandbox of play focus on core mechanics
- Conflict through simplicity
- Not played competitively?







- Big, Open Environments complex interior spaces
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- Sandbox of play focus on core mechanics
- Conflict through simplicity item-based tactics
- Not played competitively?







- Big, Open Environments complex interior spaces
- Iconic themes clean, minimalist themes
- Sandbox of play focus on core mechanics
- Conflict through simplicity item-based tactics
- Not played competitively? Not played casually?





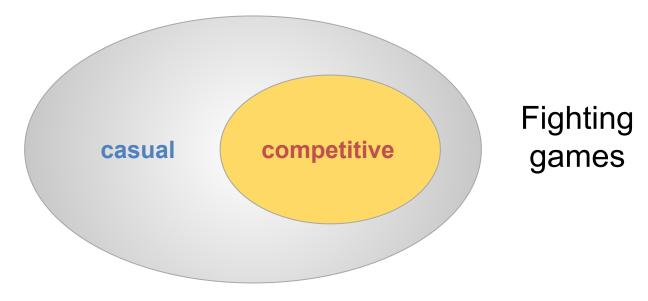


What's going on here?!





Overlap of Audiences*



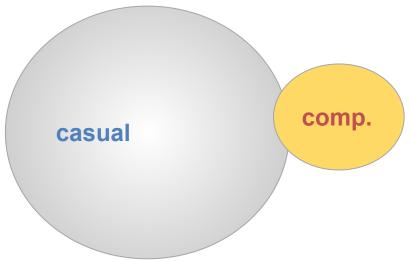








Overlap of Audiences*



*Varies per game!









Not just digital games









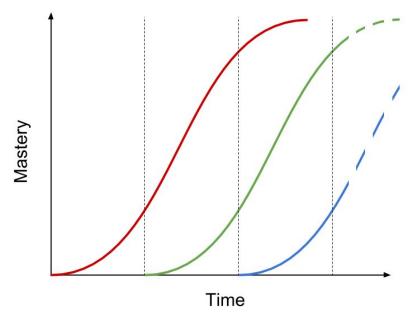




Layers of Skill (in an FPS)

- 1. Mechanics
- 2. Tactics
- 3. Strategy

Parallel skills









Psychological Models

- Self-Determination Theory
 - Competence
 - Autonomy
 - Relatedness







Psychological Models

- Self-Determination Theory
 - Competence → mastery
 - Autonomy → choice
 - Relatedness → teamwork















Rebounds and chaos



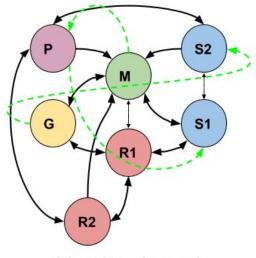








- Rebounds and chaos
- Easy to learn



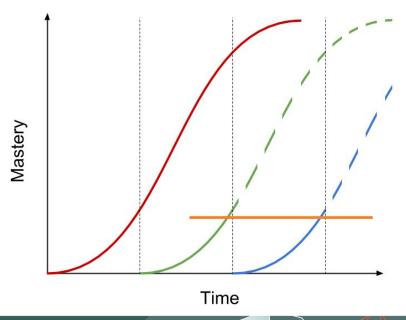
Hard to learn!







- Rebounds and chaos
- Easy to learn
- Limited tactics







Ways to support casual play

- Rebounds and chaos
- Easy to learn
- Limited tactics
- Sandbox play

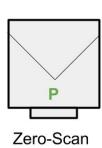


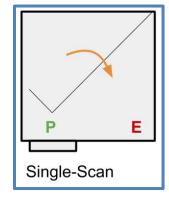


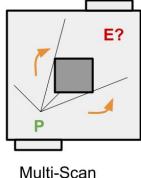


Ways to support casual play

- Rebounds and chaos
- Easy to learn
- Limited tactics
- Sandbox play
- Single-scan arenas













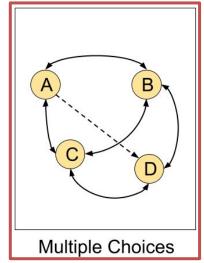


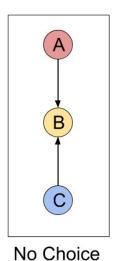


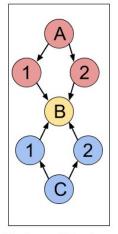




Multiple valid options







False Choice

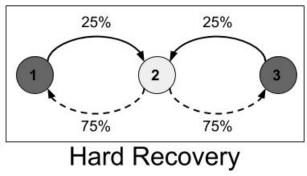


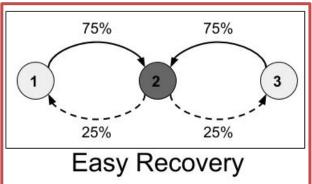






- Multiple valid options
- Resilient options





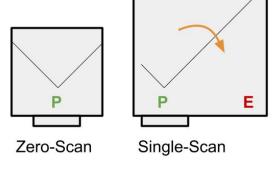


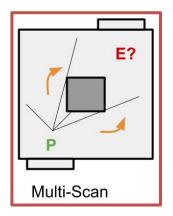






- Multiple valid options
- Resilient options
- Multi-scan arenas













Holy Grail maps









DE_Dust2 Counter Strike













"Lockout", Halo













"Campgrounds" Quake 3 Arena

















Intermediate complexity







- Intermediate complexity
- Readability-focused environment art







- Intermediate complexity
- Readability-focused environment art
- ???















Holy Grail grants eternal youth!











- Holy Grail grants eternal youth!
- Holy Grail isn't real...













- Holy Grail grants eternal youth!
- Holy Grail isn't real...
- The ultimate vanilla?



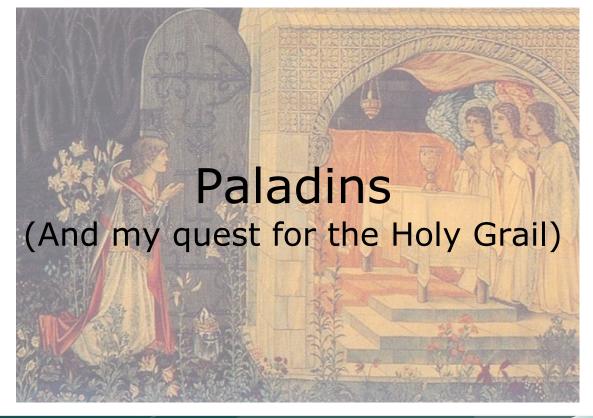




















Paladins

- Team FPS
- Classes
- Objectives
- Champions
- F2P



















First Person MOBA → Class-based FPS







- First Person MOBA → Class-based FPS
- High TTK → Medium TTK (time-to-kill)





- First Person MOBA → Class-based FPS
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- Chaotic → Deterministic





- First Person MOBA → Class-based FPS
- High TTK → Medium TTK (time-to-kill)
- Chaotic → Deterministic
- Sprawling maps → Tight maps





















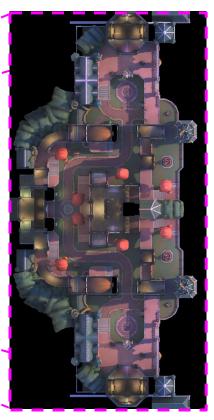






























Strategic variety









- Strategic variety
- Simplicity







- Strategic variety
- Simplicity
- Centered on core mechanics







- Strategic variety
- Simplicity
- Centered on core mechanics
- Limit zoning, allow recovery









- Strategic variety
- Simplicity
- Centered on core mechanics
- Limit zoning, allow recovery
- What you see is what you get







- Strategic variety
- Simplicity
- Centered on core mechanics
- Limit zoning, allow recovery
- What you see is what you get







Results of these iterations:

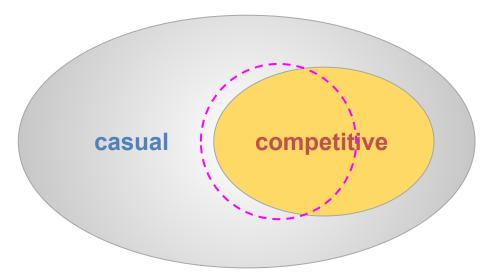
- The team felt better about the maps
- Metrics were up
- Healthier competitive scene
- But player feedback was neutral/positive







Results of these iterations:



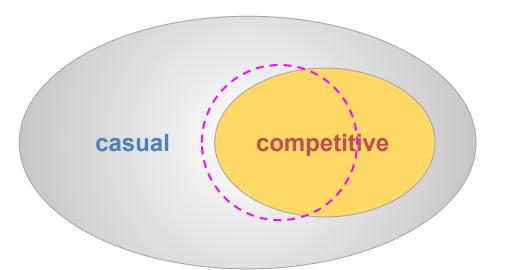
What we thought we did



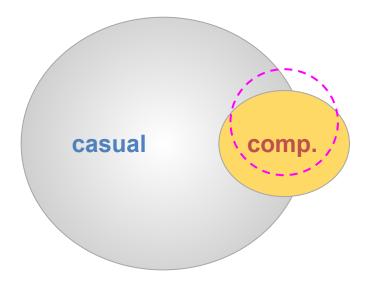




Results of these iterations:



What we thought we did



What we actually did?















Bigger maps, more variety







- Bigger maps, more variety
- Asymmetry







- Bigger maps, more variety
- Asymmetry
- Stronger themes







- Bigger maps, more variety
- Asymmetry
- Stronger themes
- Map dynamics



















Better understand our audience







- Better understand our audience
- Test specific experiments







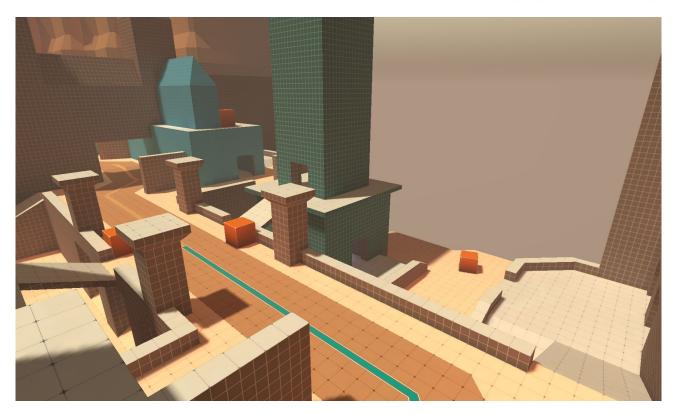
- Better understand our audience
- Test specific experiments
- Reduce risk of creating lukewarm maps, "false grails"







"Sandbridge"





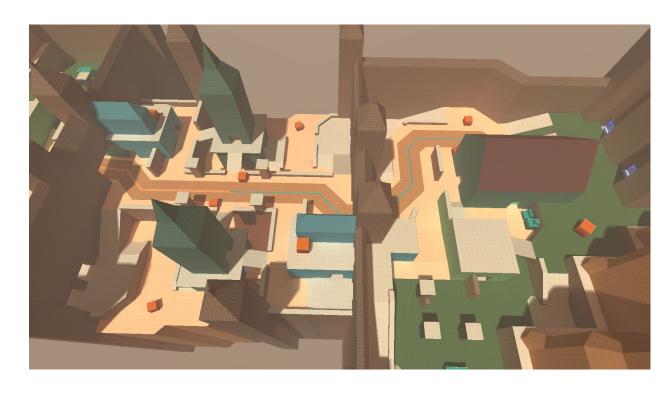








"Sandbridge"







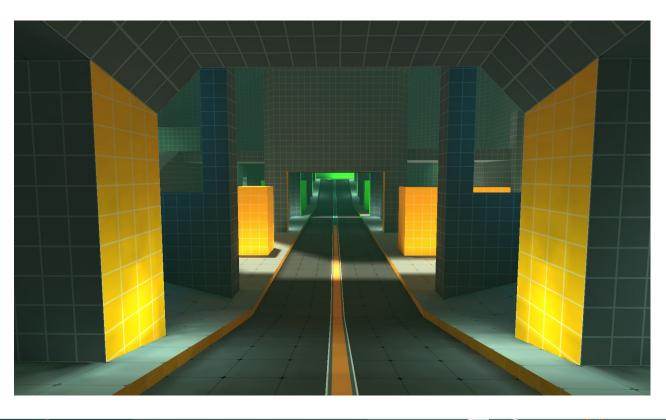








"Sewer"





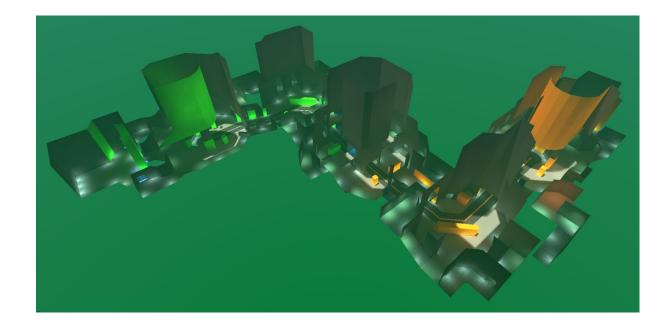








"Sewer"













"Splitstone Quarry"































Who all are we designing this for?







- Who all are we designing this for?
- What are their needs?







- Who all are we designing this for?
- What are their needs?
- How does our design serve those needs?







- Who all are we designing this for?
- What are their needs?
- How does our design serve those needs?
- What steps can we take to answer these questions?







Thanks!







Further Reading:

- Glued to Games
- Art of Failure
- David Sirlin GDC 2009
- Matthias Worch GDC 2014
- Jason Vandenberghe GDC 2013

