

From Boxes to Life! How to Prototype and Develop Creatures: Mass Effect 2 and 3 Case Study Scylla Costa

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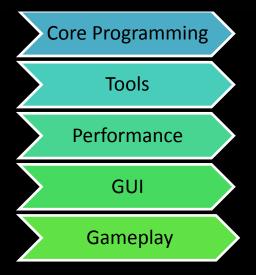


Who am I?



What do I do?







Core Programming Tools Performance GUI Gameplay **Character Art** Animation VFX Online

What is a creature?



What is a creature?



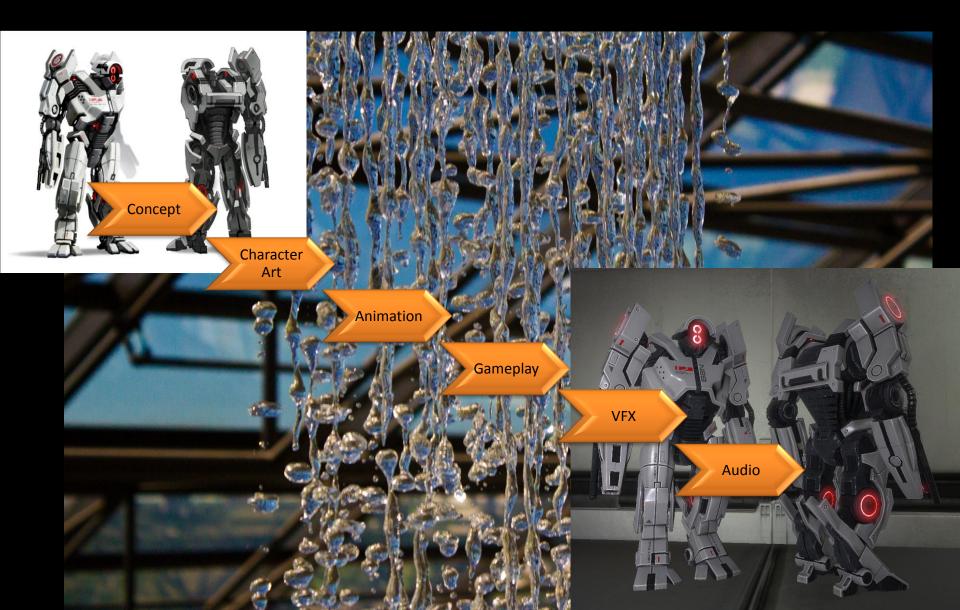
What is a creature?







ME2 Process

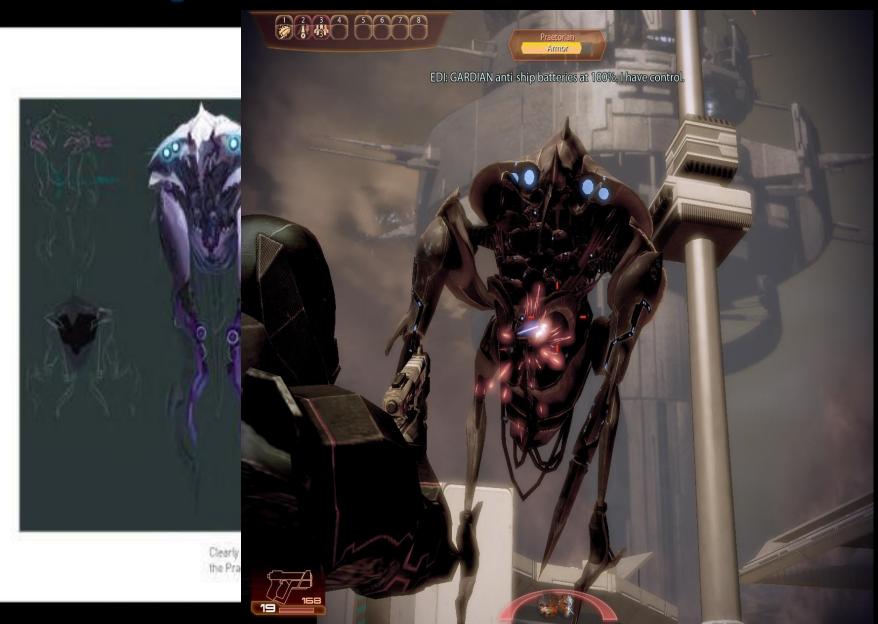


ISSE EFFECT E SHT GOOK



Clearly fusing Collector DNA with the combined brainpower of several human heads, the Praetonians are another example of horrific Reaper experimentation.

Example



Example



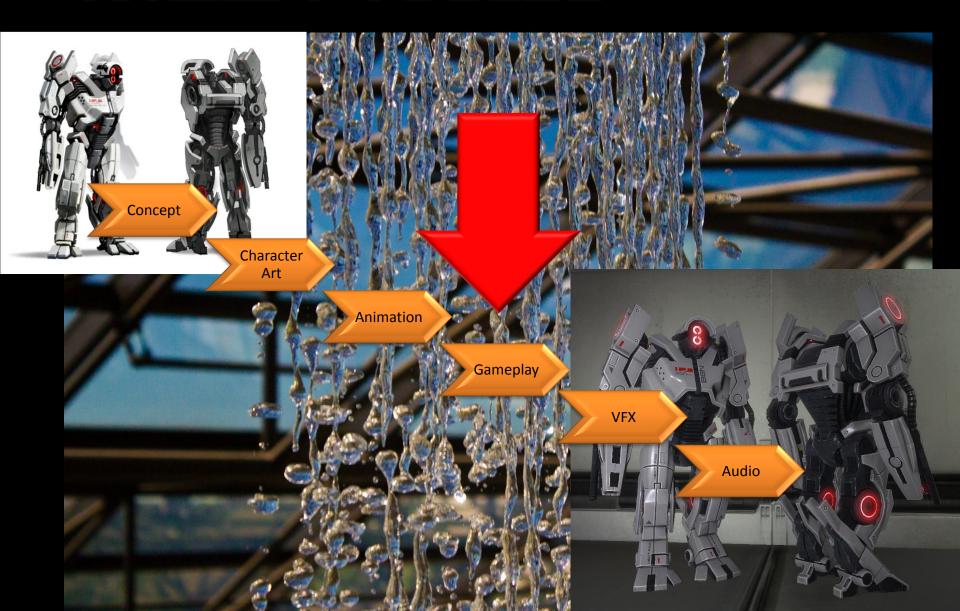
Other examples







ME2 Process



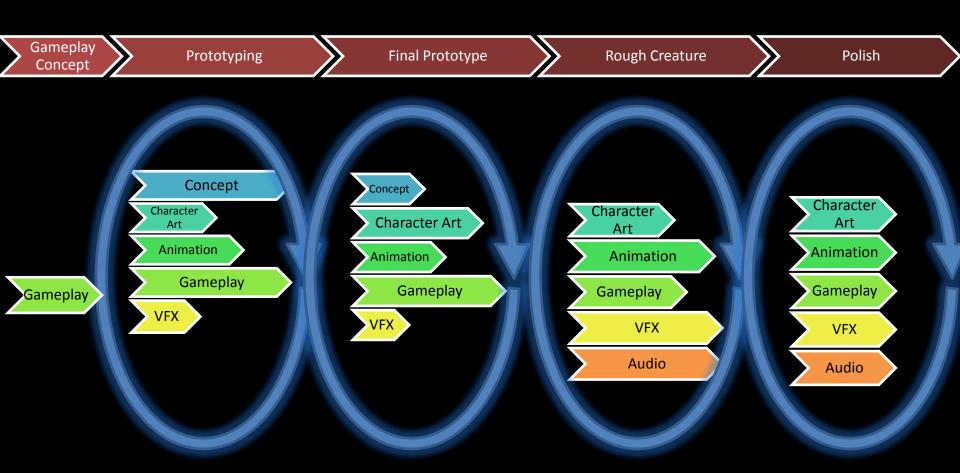
Focus on the Most Important Problem







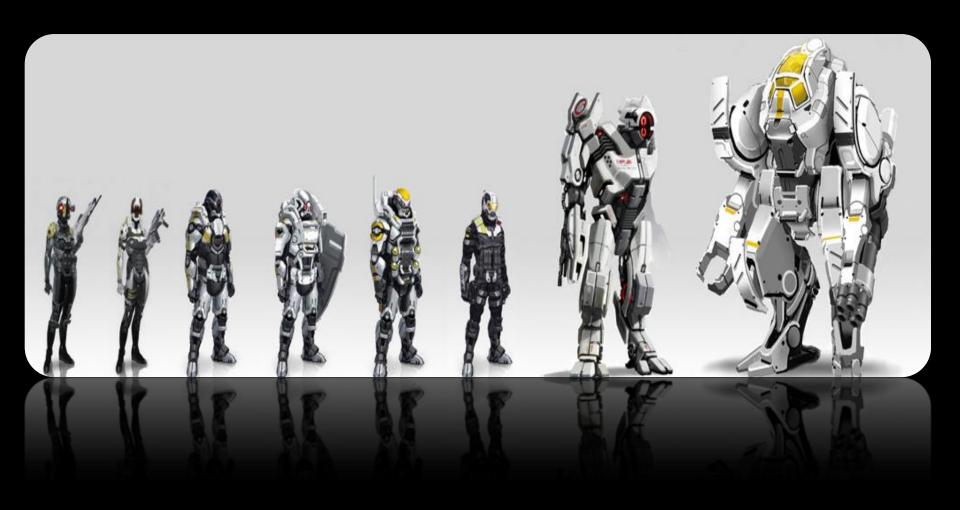




CCP - Gameplay Concept Phase

- Factions
- Roles
- Creature Pipeline
- Creature Bible

Cerberus Faction



Reaper Faction

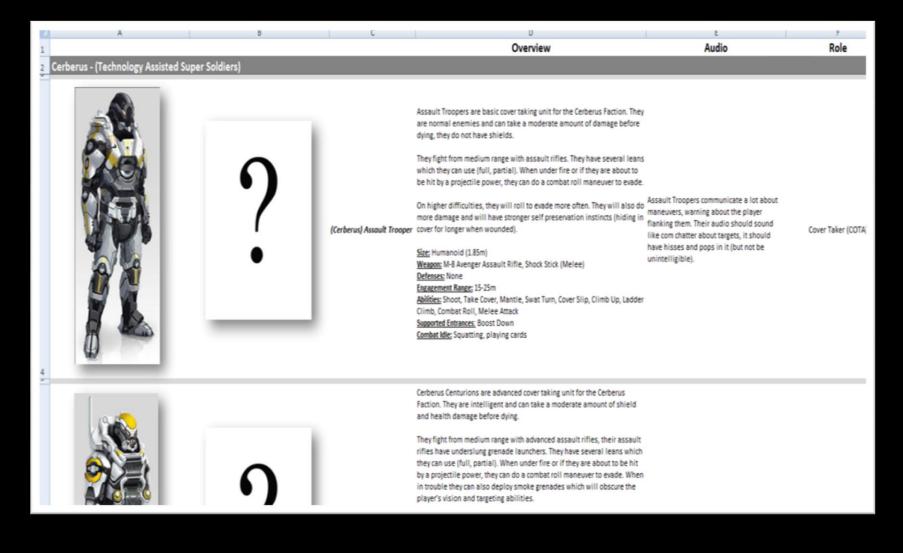


Roles

- Cover Taker
- Slow Pressure
- Support
- Suppressor
- Cover Buster



Creature Bible



Creature Pipeline Doc

Creature Pipeline

Prototype

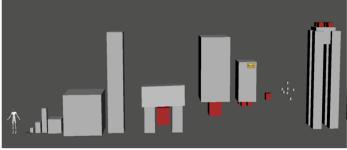
The prototyping phase is primarily to lock down the basic idea of the creature. How does it fight? How does it move? What are its attacks? Does it have any custom combat entrances? How does it respond to the player? Does it use the "Battle Damage¹" system? How does it scale with difficulty?

At the end of this phase we should be able to see a functional creature in a map that behaves in a way that is representative of the creature. It should have box art and very rough animations (1-2 frame). Movement and behaviour should be defined, rough VFX and weapons should be present. Any programming features required for the behaviors should be prototyped out (if applicable). A test level should also be created for this creature — one designed to work with its behavior. When evaluating the Prototype creature we should see how it could be fun when tuned properly (which will occur at a later phase).

Prototype creatures are not for use in production levels.

Deliverables:

- · Abilities and Tactics defined
- · Damage presentation determined (Battle Damage)
- · Movement speed roughly determined



Example: Box art for creature prototyping

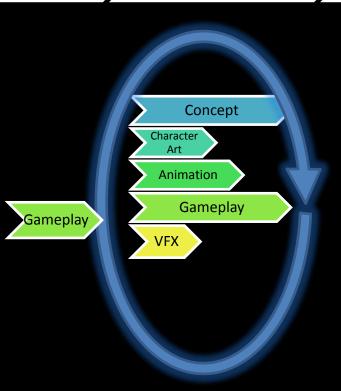
Gameplay Concept

Prototyping

Final Prototype

Rough Creature

Polish



Heavy Mech and the Atlas



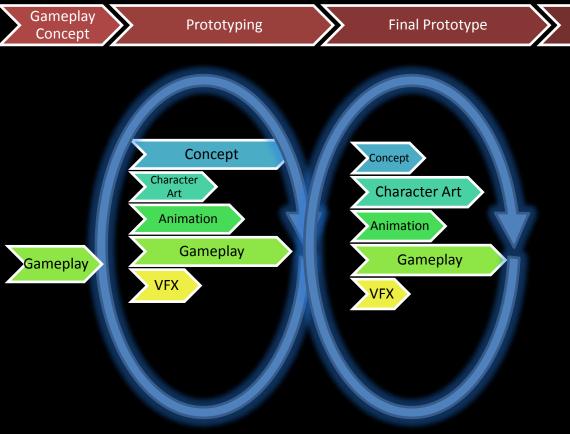


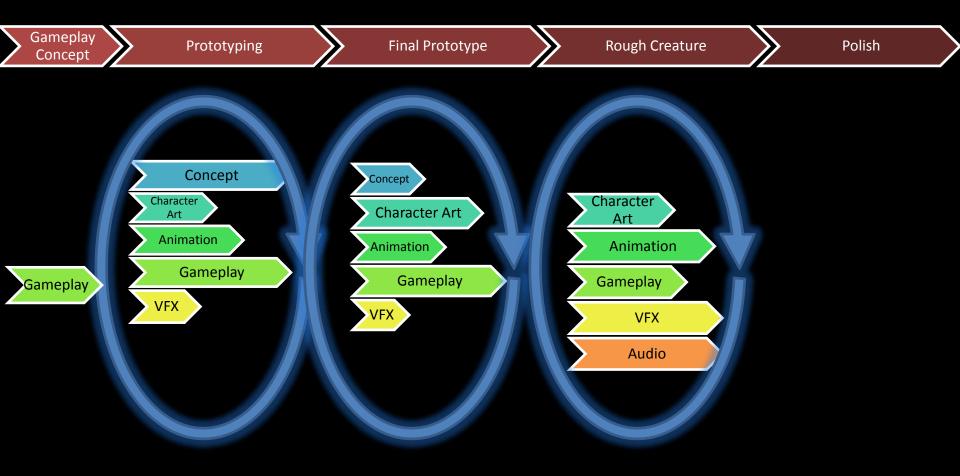
Prototyping Phase

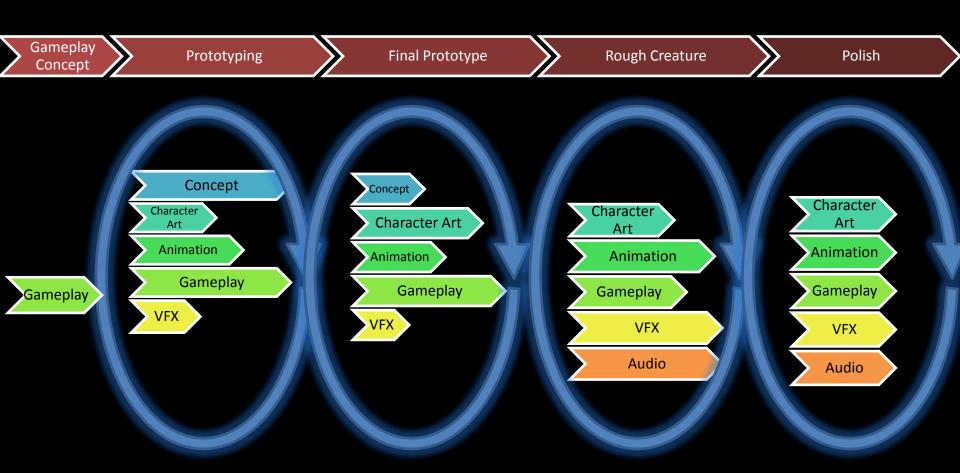
Box Creatures (videos)

Polish

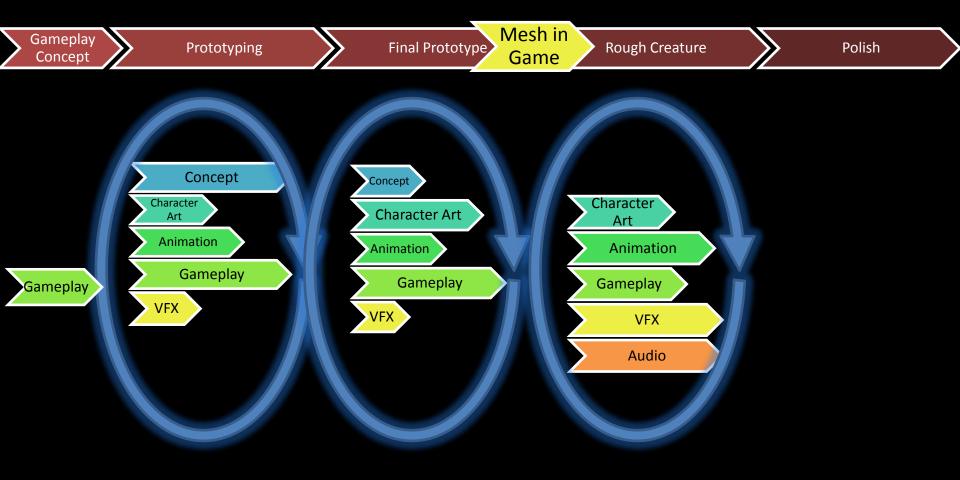
Rough Creature



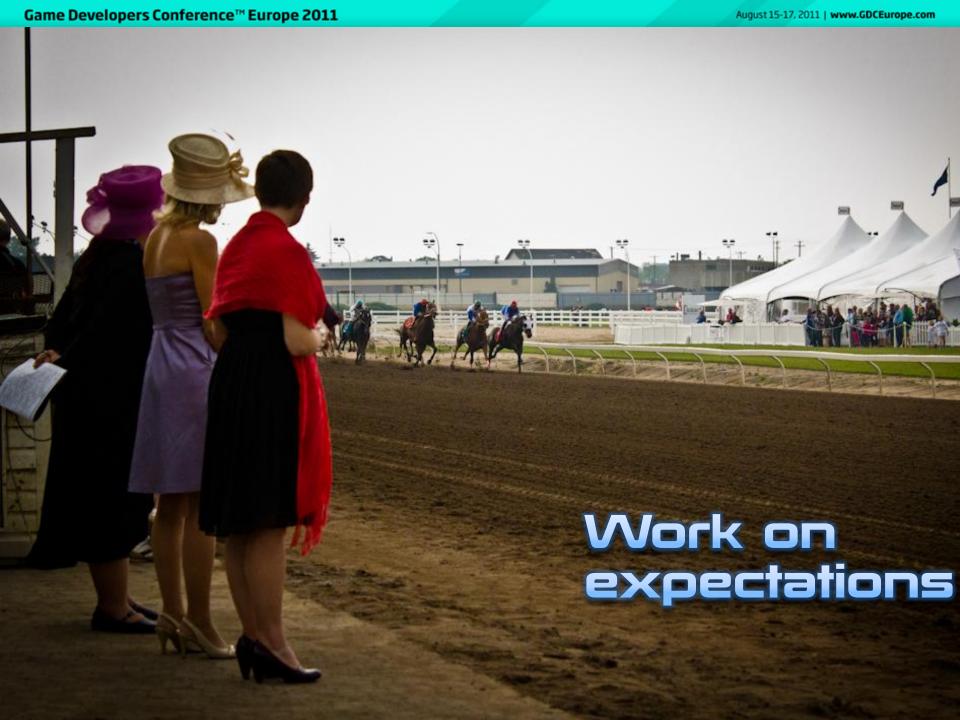














Use cross teams



Improve communication and visibility!

How are you getting there?



Questions?

Big thanks to the entire Gameplay, Character Art, Animation, VFX, Audio and QA team. You guys rock!

Special Thanks to Brenon, Boldwin, Noel and Preston.

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