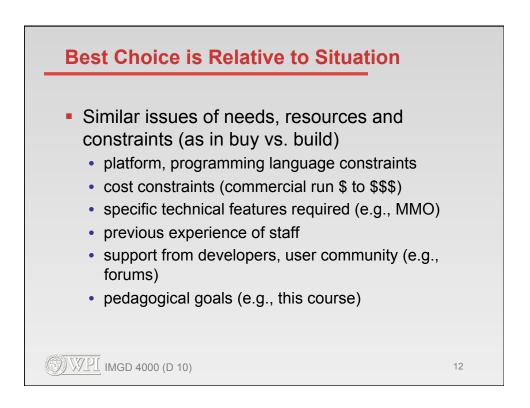
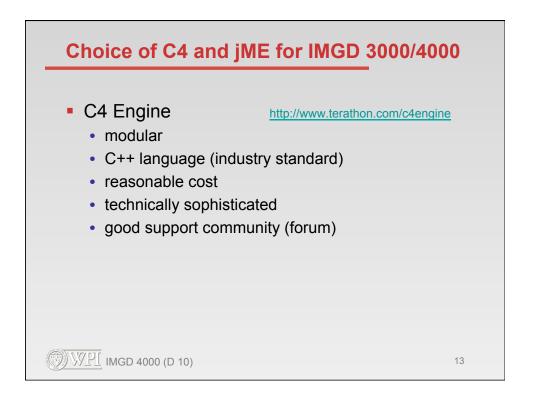
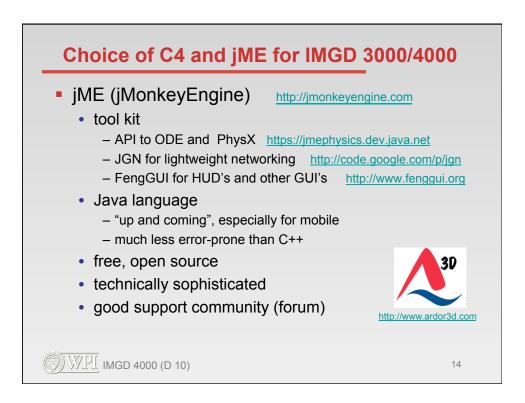
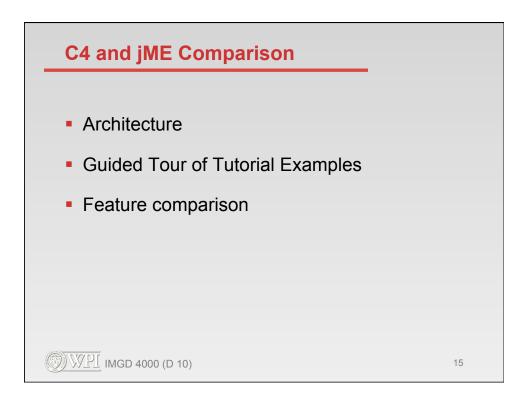


General Info	[DevMaster.net]
Generici Juno Graphics API OpenGL DirectX Gilde Software Other Operating Systems Mindowa Liuxa HacOS Solaris SunOS HP/UX FreeBSD Irix OS/2 Amiga DOS Xbox Disystation GameGube GBA PSP NGage BeOS Xbox360 PS2 PS3 Nintado WI Ninterdo DS Programming Language C/C±± Java GZ D Delphi Pascal BASIC Ada Fortcan Lise Peri Python Visual Basic VB.NET	Status Alpha Beta Productive/Stable Inactive Misc Documentation General Features Object-Oriented Design Plug-in Architecture Save/Load.System Other
Game Features	
Networking System Clant-Server / Master Server Tools & Editors Scriptina Built-in Editors Sound & Video 2D Sound Streaming Sound	Physics Bask:Physics Collision Detection Rigid Body Vehicle Physics Artificial Intelligence Pathfinding Decision Making Finite State Machines Scripted Neural Networks
Graphics Features	
Lighting Pervertax Pervertax Volumetric Lightmapping Radiosity Gloss.maps Anisotropic BRDF Shadows Shadow Mapping Projected planar Shadow Volume Texturing Basic Hulti-texturing Bumpmapping Mipmapping Volumetric Projected Procedural Shaders Vertex Pixel High Level Vertex Pixel High Level Rendering Steres Bendering Revtracing Revcasting Deferred Shading Rendering Steres Bendering Revtracing Revcasting Deferred Shading Rendering Steres Bendering Guttax GUT Secone Management Sameral BSP Portais Oxtracs Occlusion Culling PVS LOD	Animation Inverse Kinematics Forward Kinematics Keyframs Animation Skeletal Animation Morphing Eaclal Animation Animation Blending Meshes Meshes Surfaces & Curves Salinas Patches Special Effects Environment Muserien Lens Hares Billboarding Particle System Depth of Field Motion Blur, I Sky Water Fire Explosion Decais Fos Weather Mirror Terrain Rendering CLOD Splatting

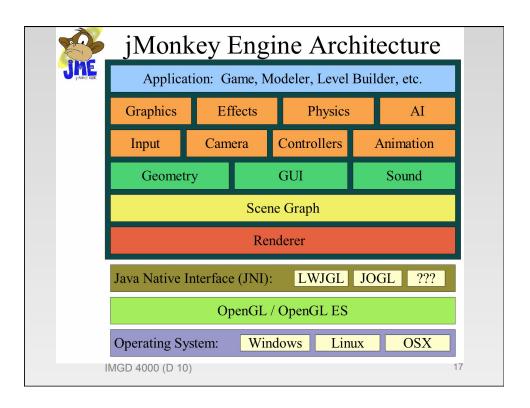




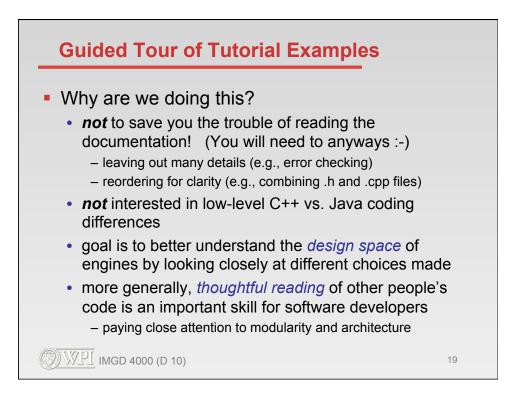








		jMonkey Engine Archite					
Base Services	System Managers	Large-Scale Architecture	Graphics	Effects	Physics	AI	
emory Manager Allocating memory Organizing multiple heaps	Graphics Manager • Renderable objects • Light objects • Camera objects	World Manager Node hierarchy Geometries, lights, cameras	Input	Camera	Controllers	Animation	
Reading and writing files Asynchronous file access Building file lists	Texture maps Shading attributes Sound Manager	Sound sources Zones and portals Triggers, markers Entities	Geometr		GUI	Sound	
esource Manager esource loading Multiple resource catalogs Packing utilities	Playing sounds Streaming music Network Manager Low-level network access Establishing connections Domain name resolution	Controller System Using controllers Using contro	Scene Graph Renderer				
Frame timing Deferred events and timers Iath Library	Enumerating input devices Assigning input actions		Ang and receiving messages Java Native Interface (JNI). Ewyold JOOL ?? Manager OpenGL / OpenGL ES				
Vectors, matrices, quaternions RGB colors, complex numbers Linear algebra routines Polygon manipulation	System Utilities • Multithreading • Persistent variables • Console commands		Operating Sy	stem: Wi	ndows Linu	IX OSX	
tility Library • Arrays, lists, trees • Smart links, link targets • Reference-counted objects • Strings	Logging tools	Interface Manager Creating and displaying windows User interface elements Mouse and keyboard events					

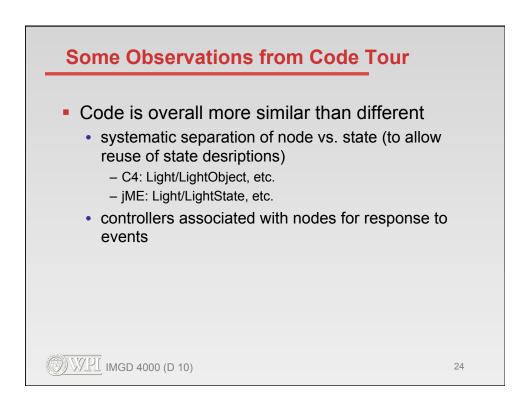


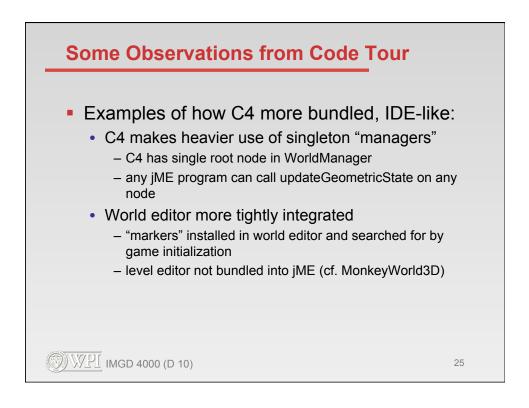
	Terathon Software
<pre>module C4::Application *ConstructApplication(void) // called by C4 engine { return (new Game); }</pre>	
class Game : public Application {	C4 ENGINE
private: EntityRegistration ballEntityReg; // for World Editor MovementAction *forwardAction; // typical input control	
<pre>Game() : ballEntityReg(kEntityBall, "model/Ball", kEntityPrecache, kControllerBall)</pre>	
{	
<pre>ballEntityReg.SetEntitySize(0.125F, 0.125F, 0.125F); ballEntityReg.SetEntityColor(ColorRGB(0.0F, 1.0F, 0.0F)); TheWorldMgr->SetWorldConstructor(&ConstructWorld);</pre>	
<pre>// create and register movement actions forwardAction = new MovementAction(kActionForward, kSpectatorMoveForward); TheInputMgr->AddAction(forwardAction); }</pre>	
1	
class MovementAction : public Action {	
void Begin(void) {	
GameWorld *world = static_cast <gameworld *="">(TheWorldMgr->GetWorld()); SpectatorCamera *camera = world->GetSpectatorCamera(); camera->SetSpectatorFlags(camera->GetSpectatorFlags() movementFlag);</gameworld>	
} };	
World *ConstructWorld(const char *name, void *data) // called by TheWorldMgr { return (new GameWorld(name)); }	
};	
IMGD 4000 (D 10)	20

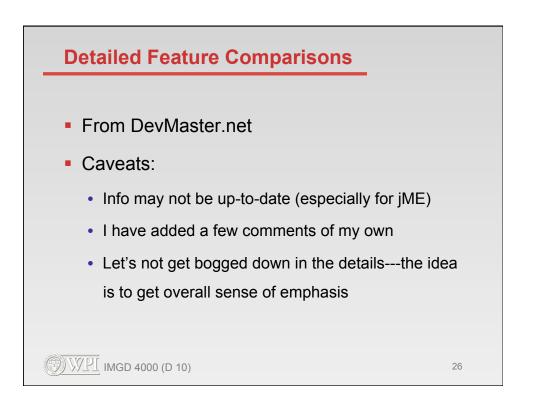


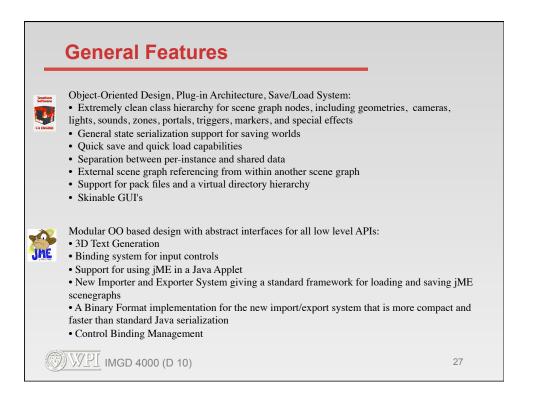


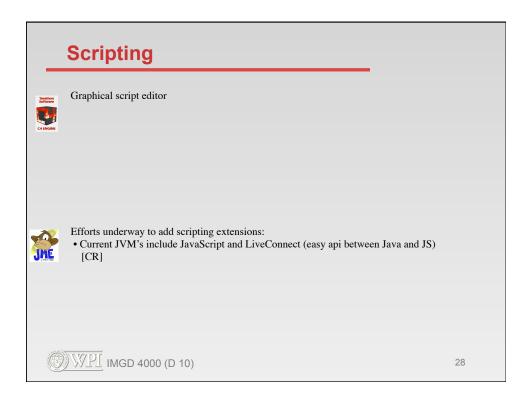


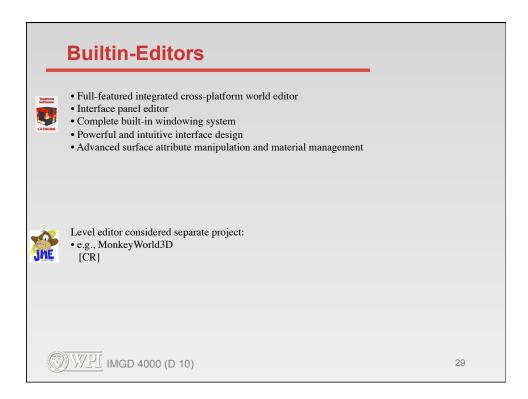


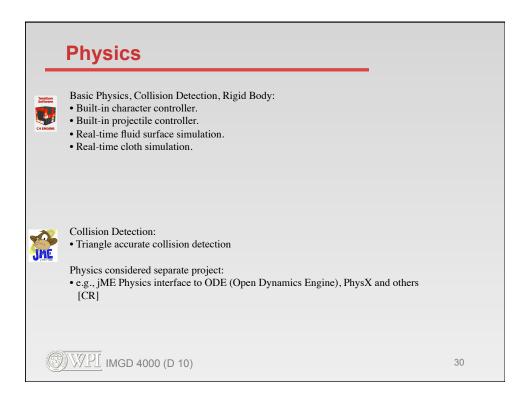


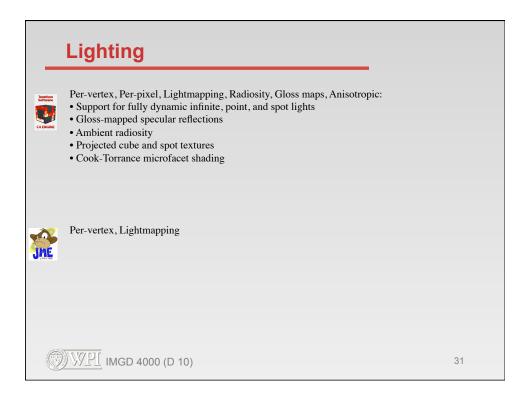


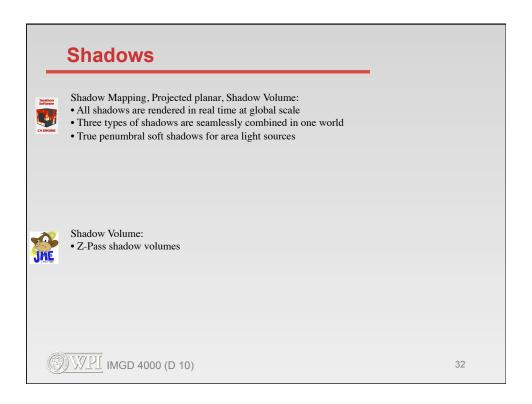


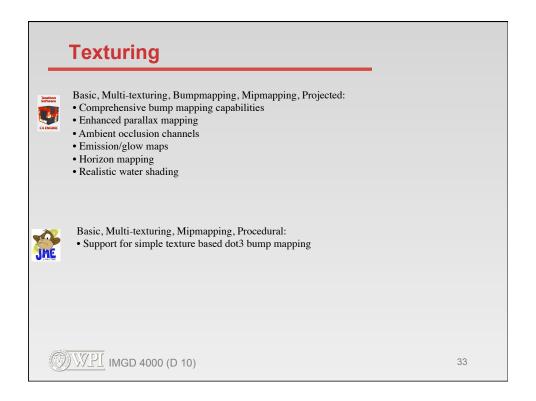


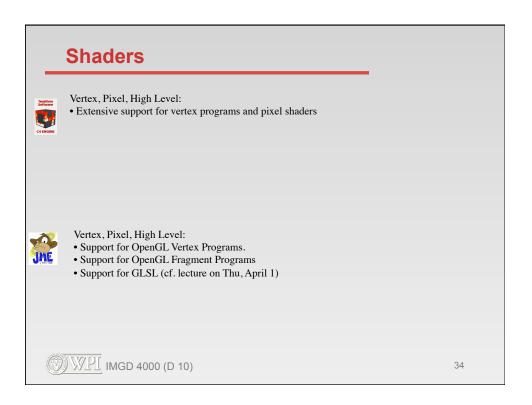


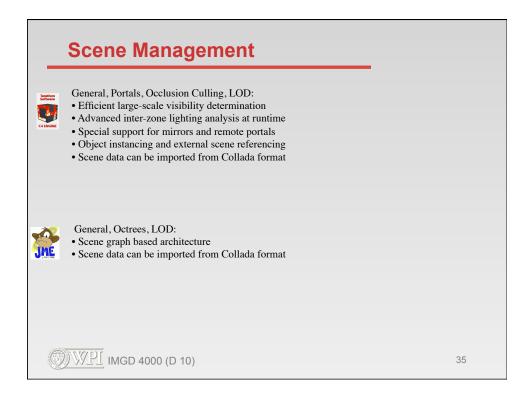


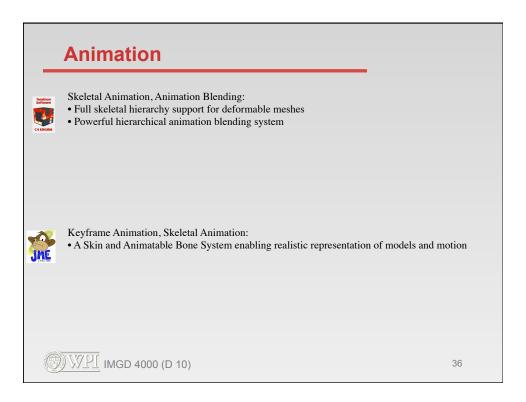


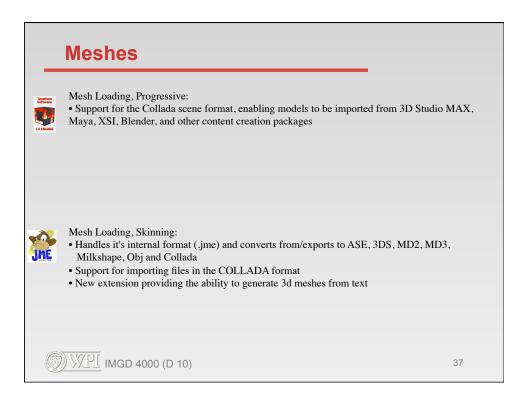


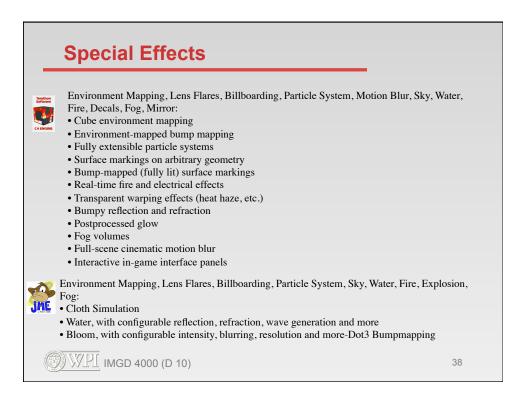


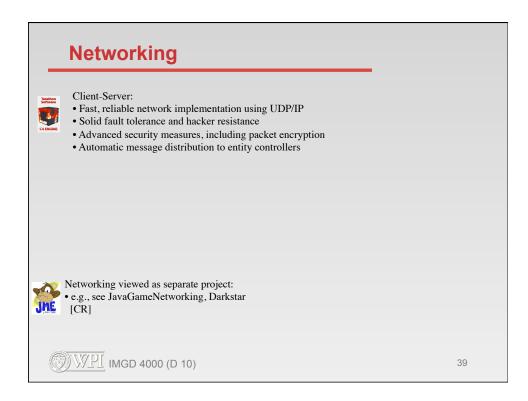


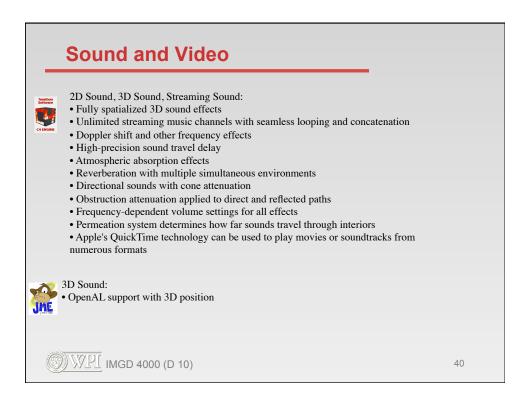


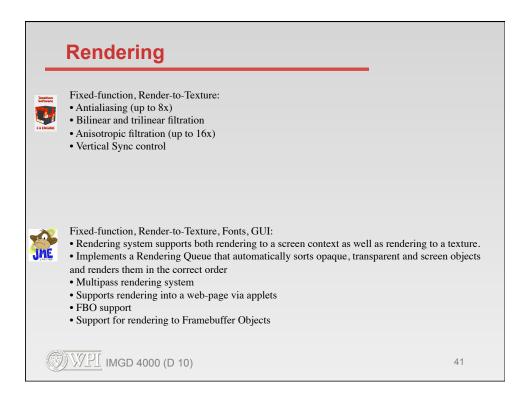












Overall: Features: Ease of U Stability: Support:	se: 4.0	(56 votes	?!?	
Overall: Features: Ease of U		(30 votes)	••••	
Stability: Support:	4.0 4.5			