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1. Introduction

This document focuses on the reality of making Prisoner 99. In this document we will provide information on the requirements of making the game. This report shows the man power that will be required in order to get a game like Prisoner 99 off the ground. Since this is our first game we realistically realise that the equipment and software shown in this document would not be available to us at first, but gradually as productions progresses, piece by piece the game will be built and with that we can bring our crazy fantasies and lecture daydreams to life. Our staff will enjoy a relaxed and fun working environment. We expect that after development that Prisoner 99 will be sold for a reasonable price at the end of production. From this we will be able to update our studio, staff and equipment in order to prepare for our next big release. This report shows the items and requirements involved in making even a small platform style game and how it is important to take these variables into consideration when managing this project. Our team would definitely need to start small, using the resources from UWS and doing most of the work for free but once the games start to gain recognition with gamers we hope that our big break will come and our studio can be acquired.

2. Development Hardware

Target Hardware

When deciding upon the target hardware there were various aspects to take into consideration market shares, growth trends, consumer spending habits all of which should be considered with regard to the target regions .

Regarding the specific platform, we aim to produce a working unity web player game for use in Mini clip and an android/i-phone version to acquire appropriate licensing to publish to the web available for purchase.

• Game Name: Prisoner 99

• Platform: **Unity**

• Game Genre: Single player 1st Person Shooter

• Target Audience: People who like futuristic platform games

• Game Play / Game Mechanics: Objective based Platform game

• Levels: 1 good level (option to then aim for more)

• Basic scoring: Power-ups (Health pack)

• Influences: Shadow Complex, Escape from Butchers Bay



Shadow Complex: Escape style Game play

Escape from Butchers Bay: Futuristic Robots

Development Tools/Engine

We will be using Unity 3D to create our game.

File Formats

File Type	File Extension
Maya – 3D models	.ma
Unity 3D – Game Engine	.unity
Images - Mapping/textures	.photoshop /. png
Music - Sound	.mp3

3. Software/Hardware Demands

Free Software

- Paint.NET
- Microsoft and Macs default software uses.
- Communication and Team Viewing Software

Potential Software to License

Unity 3D
By using Unity to develop this game, the team will benefit because it allows the use of JavaScript. The following is the base pseudo code for Prisoner 99.

PSEUDO CODE

/** * The movement class handles the player movement operations. It sets up the initial player speed and boundary values * and processes input via the keyboard * @Author Jamie Cater * @version | 1.3 /**Initalise variables which * control player movement * attributes Set speed to 9.261576 Set jumpSpeed to 13.45543 Set the gravity to 23.95791 Set moveDirection to zero Set grounded to false Set dead to false /**OnControllerColliderHit 1. If the player collides with the dead-zone Set dead to true /**Update function (Frequent actions which are needed to be processed once per frame) */ 2. if grounded is true Set moveDirection to horrizontal axis via keyboard input (axis assigned as a unity global variable) Move the player in the moveDirection Move the player in the Direction * speed 3. if input is equal to the left control key Set speed to 102 else Set speed to 9.261576 end if 4. if input is equal to the 'w' key moveDirection in the y axis equals jumpSpeed end if 5. if input is equal to the 's' key print "Crouch key" end if 6. if player position in the z axis is < -10 & y axis is < 1



PSEUDO CODE

*/

* OnTriggerExit function

* Set collider object to null

* If collider object is a parent of the platform

Android

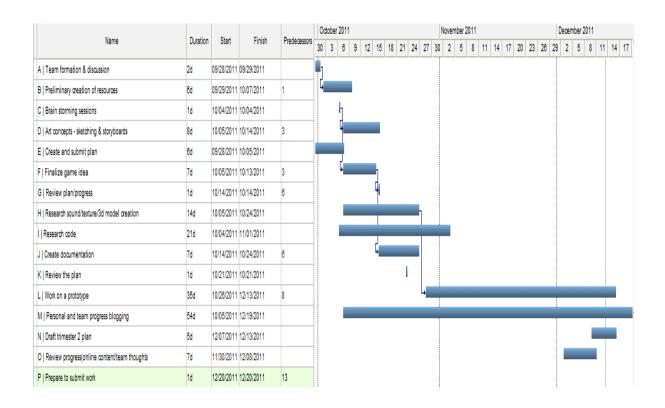
Free Hardware

- University lab computers
- Home Computers
- Personal Handsets
- USB Flash drive(s) / External HD
- A4 Paper Sheets

4. Task Breakdown - Gantt

Below is a series of Gantt charts which our team are using to prioritise workloads and meet deadlines as they arise. These are also used to predict and terminate any problems that might arise for the project.

Name	Duration	Start	Finish	Predecessors	January 2012				Febr	uary 2	2012		March 2012					April 2012					May 2012			
					9 5	12	19	26	2	9	16	23	1	8	15	22	29	5	12	19	26	3	10	17	24	
A Team Collaboration	7d	01/11/2012	01/19/2012				h																			
B Programmers Begin Final Coding	80d	01/20/2012	05/10/2012	1			+	H	-	-	-		-	-	-	-	۲	-		-	Ť	-	4			
C 3D Modelers Begin Final Models	80d	01/20/2012	05/10/2012	1			1	Ħ	-	-	-		-	-	-	-	۲	-		-	Ť	-	•			
D Artists Begin final artwork/textures	80d	01/20/2012	05/10/2012	1				Ŧ	-	-	-		-	-	-	-	۰	-		-	Ť	-	•			
E Sound Engineers begin creating sounds	80d	01/20/2012	05/10/2012	1				-	-	-	-		-	-	-	-	۰	-		-	Ť	-	•			
F Team progress review	5d	03/06/2012	03/12/2012																							
G Draft Q&A Plan	14d	03/06/2012	03/23/2012											-	-											
H Game Team & Personal Logs write up	80d	02/07/2012	05/28/2012							-	-		-	-	-	-	۲	-		-	Ť	-				
I Add all assets to the game for testing	5d	05/11/2012	05/17/2012	2,3,4,5																			4			
J Testing	4d	05/18/2012	05/23/2012	9																				+	h	
K Evaulation	1d	05/24/2012	05/24/2012	10																					۹	
L Play testing begins	7d	05/14/2012	05/22/2012																						h l	
M Play test results documentation	5d	05/23/2012	05/29/2012	12																				[
P submit work	1d	05/28/2012	05/28/2012																							



5. Personnel

Our team consists of a mixture of talents, from scripting, sound engineering and art to animators and 3d modellers.

The key roles in Productions are:

Scripting - Sean & Jamie
Artists - Adam & Lewis
Animator - Adam & Lewis
Sound Effects - Adam & Alan
Level Designer - Alan & Jack

Web Designer - Adam

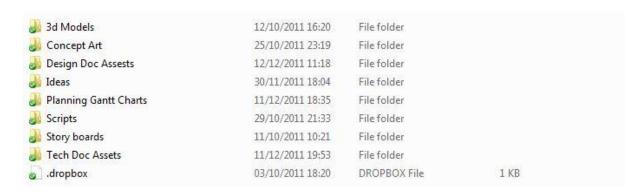
Marketing - All Team Members
Unity - All Team Members
Story - Sean & Jamie

Environments - Jack & Alan
Characters - Adam & Lewis
Maya - Adam & Lewis



Drop Box

As a development team it is important to store all of our work on a server so that all team members can have access and can update code etc. This is where Drop Box comes in handy, instead of an SVN server, the Jaw and Laj production teams are using Drop Box to keep all work including older copies in case disaster strikes.

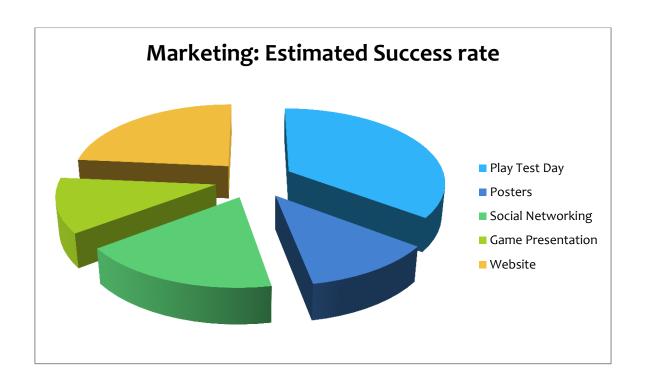


6. Marketing

Marketing will come later in the games development process, there are many ways in which we would be able to market our game and these include:

- 1. Play testing Day: We plan to host a game testing day in university, available to all those who are willing to participate in testing our game and providing feedback on aspects of their experience.
- 2. Posters: Advertising on the walls of Paisley University to encourage people to attend our play testing day, make them aware of Blood of the dead being a tribute to zombie shooters and hopefully get people talking about our game.
- 3. Social Networking Promotion: Websites like Facebook, MySpace and Twitter allow a quick and detailed form of communicating to a vast number of people. Information on the game itself may intrigue some users and may opt to attend the play test day and answer one of many important questions "would you buy our game? If so what would you be willing to pay?"
- 4. Game Presentation: If we got enough positive feedback that people would purchase the game, we could do game presentations and sell the game to a wider audience using a more structured formal approach to communicating our game.
- 5. Website: Creation of our own web space would allow us to post updates to the game and other information about our progress that could be of interest to potential customers. This could lead to e-commerce or even hosting competitions or online market research.





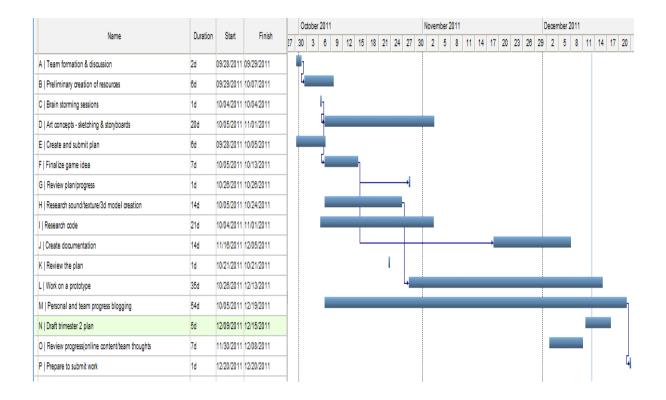
7. Business Plan

Background

- Costs
- Audience
- Projected Sales
- Audience
- Projected Sales

8. Second Trimester Plan

By the time the second trimester begins, our team will have working models imported into a working environment within Unity 3D. This will give us the head start needed to meet the deadline of deployment.



9. Acknowledgements

INTERESTING MOVIES/TV

12 TOTAL RECALL

http://www.imdb.com/title/tto100802/

12 GREAT ESCAPE

http://www.imdb.com/title/ttoo57115/

2 MAX PAYNE THE MOVIE

http://www.imdb.com/title/tto467197/

2 ALIEN 3

http://www.imdb.com/title/tto103644/

PRISON BREAK

http://www.imdb.com/title/tto455275

INTERESTING BOOKS

BATTLE ROYALE

Author: Koushun Takami

V FOR VENDETTA

Author: Alan Moore

USEFUL LINKS

UNITY3D (UNITY IS AN INTEGRATED AUTHORING TOOL FOR CREATING 3D GAMES)

http://unity3d.com/

2 PRISONER 99 DEVELOPMENT WEBSITE

http://www.wix.com/adamkale/games-dev

2 DEVIANT ART (AN ONLINE COMMUNITY SHOWCASING VARIOUS FORMS OF USER MADE ART WORK)

http://www.deviantart.com/

UNITY 3D TUTORIALS (DETAILED TUTORIALS ON HOW TO MASTER UNITY3D)

http://unity3d.com/support/resources/tutorials/

2 GOOGLE IMAGES (SEARCH SERVICE THAT ALLOWS YOU TO SEARCH THE WEB FOR IMAGE CONTENT)

http://images.google.co.uk/

2 WIKIPEDIA (THIS IS A FREE ONLINE COLLABORATIVE MULTILINGUAL ENCYCLOPEDIA

http://en.wikipedia.org/wiki/Wikipedia

② GAMESPOT (A VIDEO GAME WEBSITE OFFERING REVIEWS, PREVIEWS, NEWS AND DOWNLOADS)

http://en.wikipedia.org/wiki/Gamespot



INTERESTING GAMES

SHADOW COMPLEX

http://en.wikipedia.org/wiki/Shadow_Complex

2 CHRONICLES OF RIDDICK ESCAPE FROM BUTCHERS BAY

http://en.wikipedia.org/wiki/The_Chronicles_of_Riddick:_Escape_from_Butcher_Bay

TRANSFORMERS

http://www.transformersgame.com/

2 DUKE NUKEM

http://www.3drealms.com/games.html

2 LEFT 4 DEAD

http://www.l4d.com/blog/

BIOSHOCK

http://www.2kgames.com/bioshock/