Title Page

Game Name

– Perhaps also add a subtitle or high concept sentence.

Author

date

Copyright Information

Version 0.1(draft) October 10, 2005

By Mark Baldwin

Baldwin Consulting

http://baldwinconsulting.org

The Game Design Document (GDD) it the blueprint from which a computer or video game is to be built. As such, every single detail necessary to build the game must be addressed in the document (or support documents). If it’s not in the document, then it probably won’t be in the game.

Below you will find an outline for a generic Game Design Document. The problem is that no generic GDD will be able to address all the various genres for which a game may be created. For example, consider the games PacMan, SimCity and Doom. All three games required detailed design documents, but if you think about it, those documents would be entirely different! As such, when using the outline below you will find sections that will be totally meaningless to your game. But also, there will be sections that your GDD requires to describe the game. Just because it’s not in my outline, it doesn’t mean that it doesn’t belong.

The GDD is a reference document. Members of the development team will constantly be using the document to find specific information for their specific needs. Consider the size such a document may grow to in order to document every piece of the game. We don’t want the GDD to cause information overload and then become a prop under somebody’s wobbly desk. As such it is important that you organize and format the document to make it easy to use. Also note that some of these sections might not appear in the GDD itself but instead would appear in supplemental documents such as an Art Bible or Test Plan. This helps make the overall document more manageable and readable.

One last comment, a game design document is meant to be a living document. Just as when the artist changes the design of his painting every time he takes his brush to the canvas, a computer or video game evolves as code and art are created. The GDD then is the communication tool from which all the members of the team can follow that evolution.

**Document Revision history:**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Author(s) | Changes |
| 0.2 | January 16, 2013 | Emile Cormier |  |
| 0.3 | January 05, 2016 | David Burchill |  |
|  |  |  |  |

*(Use word’s “update table of contents” to generate / regenerate a table of contents. )*

Table of Contents

[1. Section I - Game Overview 7](#_Toc471493942)

[1.1. Game Concept 7](#_Toc471493943)

[1.2. Design History 7](#_Toc471493944)

[1.3. Feature Set 7](#_Toc471493945)

[1.4. Genre 7](#_Toc471493946)

[1.5. Target Audience 7](#_Toc471493947)

[1.6. Game Flow Summary 7](#_Toc471493948)

[1.7. Look and Feel 7](#_Toc471493949)

[1.8. Project Scope 7](#_Toc471493950)

[1.8.1. Number of locations 7](#_Toc471493951)

[1.8.2. Number of levels 7](#_Toc471493952)

[1.8.3. Number of NPC’s 7](#_Toc471493953)

[1.8.4. Number of weapons 7](#_Toc471493954)

[1.8.5. Etc. 7](#_Toc471493955)

[2. Section II - Gameplay and Mechanics 7](#_Toc471493956)

[2.1. Gameplay 7](#_Toc471493957)

[2.1.1. Game Progression 7](#_Toc471493958)

[2.1.2. Mission/challenge Structure 7](#_Toc471493959)

[2.1.3. Puzzle Structure 8](#_Toc471493960)

[2.1.4. Objectives – What are the objectives of the game? 8](#_Toc471493961)

[2.1.5. Play Flow – How does the game flow for the game player 8](#_Toc471493962)

[2.2. Mechanics 8](#_Toc471493963)

[2.2.1. Physics 8](#_Toc471493964)

[2.2.2. Movement 8](#_Toc471493965)

[2.2.3. Objects 8](#_Toc471493966)

[2.2.4. Actions 8](#_Toc471493967)

[2.2.5. Combat 8](#_Toc471493968)

[2.2.6. Economy 8](#_Toc471493969)

[2.3. Screen Flow 8](#_Toc471493970)

[2.3.1. Screen Flow Chart 8](#_Toc471493971)

[2.3.2. Screen Descriptions 8](#_Toc471493972)

[2.4. Game Options 9](#_Toc471493973)

[2.5. Replaying and Saving 9](#_Toc471493974)

[2.6. Cheats and Easter Eggs 9](#_Toc471493975)

[3. Section III – Story, Setting and Character 9](#_Toc471493976)

[3.1. Story and Narrative 9](#_Toc471493977)

[3.1.1. Back story 9](#_Toc471493978)

[3.1.2. Plot Elements 9](#_Toc471493979)

[3.1.3. Game Progression 9](#_Toc471493980)

[3.1.4. License Considerations 9](#_Toc471493981)

[3.1.5. Cut Scenes 9](#_Toc471493982)

[3.2. Game World 9](#_Toc471493983)

[3.2.1. General look and feel of world 9](#_Toc471493984)

[3.2.2. Area #1 10](#_Toc471493985)

[3.2.3. Area #2 10](#_Toc471493986)

[3.3. Characters 10](#_Toc471493987)

[3.3.1. Character #1 10](#_Toc471493988)

[3.3.2. Character #2 10](#_Toc471493989)

[4. Section IV – Levels 10](#_Toc471493990)

[4.1. Level #1 10](#_Toc471493991)

[4.1.1. Synopsis 10](#_Toc471493992)

[4.1.2. Introductory Material (Cut scene? Mission briefing?) 10](#_Toc471493993)

[4.1.3. Objectives 10](#_Toc471493994)

[4.1.4. Physical Description 11](#_Toc471493995)

[4.1.5. Map 11](#_Toc471493996)

[4.1.6. Critical Path 11](#_Toc471493997)

[4.1.7. Encounters 11](#_Toc471493998)

[4.1.8. Level Walkthrough 11](#_Toc471493999)

[4.1.9. Closing Material 11](#_Toc471494000)

[4.2. Level #2 11](#_Toc471494001)

[4.3. Training Level 11](#_Toc471494002)

[5. Section V - Interface 11](#_Toc471494003)

[5.1. Visual System 11](#_Toc471494004)

[5.1.1. HUD - What controls 11](#_Toc471494005)

[5.1.2. Menus 11](#_Toc471494006)

[5.1.3. Rendering System 11](#_Toc471494007)

[5.1.4. Camera 11](#_Toc471494008)

[5.1.5. Lighting Models 11](#_Toc471494009)

[5.2. Control System 11](#_Toc471494010)

[5.3. Audio 11](#_Toc471494011)

[5.4. Music 11](#_Toc471494012)

[5.5. Sound Effects 11](#_Toc471494013)

[5.6. Help System 11](#_Toc471494014)

[6. Section VI - Artificial Intelligence 11](#_Toc471494015)

[6.1. Opponent AI 11](#_Toc471494016)

[6.2. Enemy AI 12](#_Toc471494017)

[6.3. Non-combat Characters 12](#_Toc471494018)

[6.4. Friendly Characters 12](#_Toc471494019)

[6.5. Support AI 12](#_Toc471494020)

[6.5.1. Player and Collision Detection 12](#_Toc471494021)

[6.5.2. Pathfinding 12](#_Toc471494022)

[7. Section VII – Technical 12](#_Toc471494023)

[7.1. Target Hardware and operating system 12](#_Toc471494024)

[7.2. Supported game controllers and peripherals 12](#_Toc471494025)

[8. Section VIII – Game Art 12](#_Toc471494026)

[8.1. Concept Art 12](#_Toc471494027)

[8.2. Style Guides 12](#_Toc471494028)

[8.3. Characters 12](#_Toc471494029)

[8.4. Environments 12](#_Toc471494030)

[8.5. Equipment 12](#_Toc471494031)

[8.6. Cut scenes 12](#_Toc471494032)

[8.7. Miscellaneous 12](#_Toc471494033)

# Section I - Game Overview

## Game Concept

A high level overview of your game concept

## Design History

This is a living document and will change as you develop your game. This section maintains a history of any significant changes to your game.

## Feature Set

## Genre

## Target Audience

## Game Flow Summary

How does the player move through the game? Both through framing interface and the game itself.

## Look and Feel

What is the basic look and feel of the game? What is the visual style?

## Project Scope

A summary of the scope of the game.

### Number of locations

### Number of levels

### Number of NPC’s

### Number of weapons

### Etc.

# Section II - Gameplay and Mechanics

## Gameplay

### Game Progression

### Mission/challenge Structure

### Puzzle Structure

### Objectives – What are the objectives of the game?

### Play Flow – How does the game flow for the game player

## Mechanics

What are the rules to the game, both implicit and explicit. This is the model of the universe that the game works under. Think of it as a simulation of a world, how do all the pieces interact? This actually can be a very large section.

### Physics

How does the physical universe work?

### Movement

#### General Movement

#### Other Movement

### Objects

#### Picking Up Objects

#### Moving Objects

### Actions

#### Switches and Buttons

#### Picking Up, Carrying and Dropping

#### Talking

#### Reading

### Combat

If there is combat or even conflict, how is this specifically modeled?

### Economy

What is the economy of the game? How does it work?

## Screen Flow

### Screen Flow Chart

A graphical description of how each screen is related to every other

### Screen Descriptions

What is the purpose of each screen?

#### Main Menu Screen

#### Options Screen

#### Etc.

## Game Options

What are the options and how do they affect game play and mechanics?

## Replaying and Saving

## Cheats and Easter Eggs

# Section III – Story, Setting and Character

## Story and Narrative

Specific details like scripts and cut scenes may not be in this document but be in the Story Bible.

### Back story

### Plot Elements

### Game Progression

### License Considerations

### Cut Scenes

#### Cut scene #1

##### Actors

##### Description

##### Storyboard

##### Script

#### Cut scene #2

etc.

## Game World

### General look and feel of world

### Area #1

#### General Description

#### Physical Characteristics

#### Levels that use area

#### Connections to other areas

### Area #2

etc.

## Characters

### Character #1

#### Back story

#### Personality

#### Look

##### Physical characteristics

##### Animations

#### Special Abilities

#### Relevance to game story

#### Relationship to other characters

#### Statistics

### Character #2

etc.

# Section IV – Levels

## Level #1

### Synopsis

### Introductory Material (Cut scene? Mission briefing?)

### Objectives

### Physical Description

### Map

### Critical Path

### Encounters

### Level Walkthrough

### Closing Material

## Level #2

etc.

## Training Level

# Section V - Interface

## Visual System

### HUD - What controls

### Menus

### Rendering System

### Camera

### Lighting Models

## Control System

How does the game player control the game? What are the specific commands?

## Audio

## Music

## Sound Effects

## Help System

# Section VI - Artificial Intelligence

## Opponent AI

The active opponent that plays against the game player and therefore requires strategic decision making (example, Civilization or Chess, how is it to be designed?

## Enemy AI

Villains and Monsters

## Non-combat Characters

## Friendly Characters

## Support AI

### Player and Collision Detection

### Pathfinding

# Section VII – Technical

## Target Hardware and operating system

## Supported game controllers and peripherals

# Section VIII – Game Art

Only show concept art here (rough sketches)

## Concept Art

## Style Guides

## Characters

## Environments

## Equipment

## Cut scenes

## Miscellaneous