# Game Design Document Outline

A game design document is the blueprint from which a game is to be built. As such, every single detail necessary to build the game should be addressed. The larger the team and the longer the design and development cycle, the more critical is the need. For your purpose, the intent is to capture as much as possible of your design. I want you to think big…bigger than what you are able to develop. I also want you to be clear about what the software delivers and what the design entails. My recommendation is that you define the ultimate game and then clarify what it is that you have developed. If you are finding it too difficult to do that, you may produce too documents.

1. Title Page
   1. Game Name – Perhaps also add a subtitle or high concept sentence.  
        
      **“ESCAPE THE ?”**
2. Game Overview
   1. Game Concept  
        
      Block style first person shooter. Goal of player is to escape room (trapped?)
   2. Genre  
        
      Action / First-Person Shooter
   3. Target Audience  
        
      8+
   4. Game Flow Summary – How does the player move through the game. Both through framing interface and the game itself.  
        
      basic character movement, walking, through the level in order to escape.
   5. Look and Feel – What is the basic look and feel of the game? What is the visual style?  
        
      Block style characters, similar to Lego,  
      
3. Gameplay and Mechanics
   1. Gameplay
      1. Game Progression  
           
         Room and floor based progression.
      2. Mission/challenge Structure

Same as above

* + 1. Puzzle Structure  
         
       N/A
    2. Objectives – What are the objectives of the game?  
         
       Escape the (?)
    3. Play Flow – How does the game flow for the game player  
         
       Fighting against waves of enemies, in an attempt to find an exit
  1. 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.
     1. Physics – How does the physical universe work?  
          
        gun projectiles, impact and explosions (on door openings)  
        destructible objects (players / enemies) – when players head comes off, player can still control body for a few seconds before game over screen.
     2. Movement in the game  
          
        first person controls.
     3. Objects – how to pick them up and move them   
          
        Walk through object, it gets picked up into inventory
     4. Combat – If there is combat or even conflict, how is this specifically modeled?  
          
        Physical altercation, by means of punching, shooting, or grenades.
     5. Economy – What is the economy of the game? How does it work?  
          
        money system, enemies killed dropped monies based on performance, which can be used towards upgrading the player health(armor) or weapons(guns/knives/etc).
  2. Game Options – What are the options and how do they affect game play and mechanics?

Difficulty system  
Sound affect  
Save system

* 1. Cheats and Easter Eggs

Yes…aka “glitches”

1. Story, Setting and Character
   1. Story and Narrative – Includes back story, plot elements, game progression, and cut scenes. Cut scenes descriptions include the actors, the setting, and the storyboard or script.

You’re a defective lego unit, which was pulled from production. You hear that you are going to be dismantled so you make a break for it.

* 1. Game World
     1. General look and feel of world  
          
        LEGO
     2. Areas, including the general description and physical characteristics as well as how it relates to the rest of the world (what levels use it, how it connects to other areas)  
          
        moving through different parts of the factory floor, from production lines, to security, etc.

1. Levels
   1. Levels. Each level should include a synopsis, the required introductory material (and how it is provided), the objectives, and the details of what happens in the level. Depending on the game, this may include the physical description of the map, the critical path that the player needs to take, and what encounters are important or incidental.  
        
      Player will go through the factory level, going through various stages of assembly.
      1. Plastic Production
      2. Molding
      3. 4 Assembly Stages (Head / Torso / Arms / Legs)
      4. Soul Installer
      5. Education
      6. Packaging
   2. Training Level  
        
      Target practice / interaction with objects, characters and weapons.
2. Interface
   1. Visual System. If you have a HUD, what is on it? What menus are you displaying? What is the camera model?  
        
      HUD: Health Points, Weapon, Ammo, Crosshair, Timer.
   2. Control System – How does the game player control the game? What are the specific commands?  
        
      WASD, left mouse click, rotate view with mouse, XBOX 360/One Controller
   3. Audio, music, sound effects  
        
      To be determined
   4. Help System  
        
      Showing controls and objective.
3. Artificial Intelligence
   1. Opponent and Enemy AI – The active opponent that plays against the game player and therefore requires strategic decision making   
        
      Yes, individual AI system, not group AI. Or could be combined AI for different difficulties
   2. Non-combat and Friendly Characters  
        
      Factory workers
   3. Support AI -- Player and Collision Detection, Pathfinding  
        
      Collision detection, and path finding for enemy AI
4. Technical
   1. Target Hardware  
        
      PC
   2. Development hardware and software, including Game Engine  
        
      AwesomeEngine  
      XBOX360 Controller
   3. Network requirements  
        
      TBD
5. Game Art – Key assets, how they are being developed. Intended style.

To be created by team. To be block/lego style.