# **Project Design Document**

### **Project Concept**

1	You control a		in this			
Player	princess		side view		game	
Control	where  Arrow and mouse click		makes the player  Move and attack enemies.			
2 Basic Gameplay	During the game,  Stones, dragons are and the goal of the g	game is to	appear o to achieve h	from  The right side of the screen  Chieve higher scores while avoiding stones.		
3 Sound & Effects	There will be sound effects  Jump and slide, the jewelry is picked up, shoot an arrow, or a dragon is killed  [optional] There will also be  Background music					
4 Gameplay Mechanics	As the game progresses,  More stones and dragons appear while the princess runs faster  [optional] There will also be  Randomly appeared jewelry that can be			making it  More difficult to avoid stones and shoot the dragons  picked up to get additional scores.		
5 User Interface	The score  At the start of the gar "Escape from Drag cave"		up.	ons are shoot and jewe ne game will end when ress fails to avoid a ston		

## Other Features

Ability to restart the game, store the highest scores the player achieve.

## **Project Timeline**

Milestone	Description	Due
#1	<ul> <li>Project and Camera set up with primitive objects for all gameplay objects.</li> <li>Player (Princess) can move in all directions (up for jump, down for slide, left and right) and cannot leave play area (the cave).</li> </ul>	09/19
#2	<ul> <li>Stones, dragons and jewelry randomly spawning from the right side of the screen</li> <li>When player collides with jewelry, it is destroyed</li> <li>When player collides with stones and dragons, it results in a game over</li> </ul>	09/26
#3	- Primitive objects and background replaced with real 2D assets	10/03
#4	- Score and Gameover mechanic programmed, but not added to UI – just confirmed with logs to console	10/10
#5	- Particle and sound effects implemented, including scrolling background	10/17
#6	- Particle and sound effects implemented, including scrolling background	10/24
Backlog	<ul> <li>A one-time magnet powerup that automatically attracts all jewelry on the screen</li> <li>A temporary shield that protects the player in a short time</li> </ul>	10/31

#### **Project Sketch**

