

Project Design Document

09/09/2025
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Project Concept

1

Player Control

You control a in this
where makes the player

2

Basic Gameplay

During the game, appear from
and the goal of the game is to

3

Sound & Effects

There will be sound effects and particle effects
[optional] There will also be

4

Gameplay Mechanics

As the game progresses, making it
[optional] There will also be

5

User Interface

The will whenever
At the start of the game, the title will appear and the game will end when

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

Project Timeline

Milestone	Description	Due
#1	<ul style="list-style-type: none"> - Project and Camera set up with primitive objects for all gameplay objects. - Player (Princess) can move in all directions (up for jump, down for slide, left and right) and cannot leave play area (the cave). 	09/19
#2	<ul style="list-style-type: none"> - Stones, dragons and jewelry randomly spawning from the right side of the screen - When player collides with jewelry, it is destroyed - When player collides with stones and dragons, it results in a game over 	09/26
#3	<ul style="list-style-type: none"> - Primitive objects and background replaced with real 2D assets 	10/03
#4	<ul style="list-style-type: none"> - Score and Gameover mechanic programmed, but not added to UI – just confirmed with logs to console 	10/10
#5	<ul style="list-style-type: none"> - Particle and sound effects implemented, including scrolling background 	10/17
#6	<ul style="list-style-type: none"> - Particle and sound effects implemented, including scrolling background 	10/24
Backlog	<ul style="list-style-type: none"> - A one-time magnet powerup that automatically attracts all jewelry on the screen - A temporary shield that protects the player in a short time 	10/31

Project Sketch

