07/14/2021 NuduN

## **Project Concept**

1	You control a		in this				
Player Control	capsule		top Down		game		
	where		makes the player				
	Keyboard input		Move and shoot.				
2 Basic Gameplay	During the game,		at				
	Enemies, obstacles	and powerups	appear Random positio				
	and the goal of the game is to						
	Shoot the enemies.						
3	There will be sound effects		and	and particle effects			
Sound & Effects	When shooting and when bullets hit something  Bullets hit something						
	[optional] There will also be						
	description of any other expected special effects or animation in the project.						
4	As the game progresses,		ma	making it			
Gameplay Mechanics	More enemies are spawned		ho	harder.			
	[optional] There will also be						
	description of any other gameplay mechanic(s) and their effect on the game.						
5	The	will	whe	whenever			
User Interface	score	increase	Ene	Enemy is hit.			
	At the start of the game, the title		and	and the game will end when			
	Shoot at things will ap		ear Plo	Player is hit.			

6 Other Features

Enemies will be used to demonstrate OOP concepts (same base with Move() and Attack() overridden (Inheritance & Polymorphism)), data (speed/health/...) is stored as properties with getters and setters (Encapsulation), base has commonly used functions (Abstraction)

- Moves toward player, does not shoot
   Keeps at distance from player, shoots

## **Project Timeline**

Milestone	Description	Due
#1	- Basic objects and scripts	07/14
#2	- Title screen	mm/dd
#3	- OOP concepts on Enemies	mm/dd
#4	- Score counter, game over, restart	mm/dd
#5	- obstacles , levels, sounds. Particle effects, animated prefabs	mm/dd
Backlog	<ul> <li>Feature on backlog - not a part of the minimum viable product</li> <li>Feature on backlog - not a part of the minimum viable product</li> <li>Feature on backlog - not a part of the minimum viable product</li> </ul>	mm/dd

Project Sketch						