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 | 07/14 |
| #3 | - OOP concepts on Enemies | 07/16 |
| #4 | - Score counter, game over, restart | 07/16 |
| #5 | - obstacles , levels, sounds. Particle effects, animated prefabs | mm/dd |
| Backlog | Feature on backlog - not a part of the minimum viable product Feature on backlog - not a part of the minimum viable product Feature on backlog - not a part of the minimum viable product | mm/dd |

| Project Sketch | | | | | | |
|----------------|--|--|--|--|--|--|
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