Tasks Information

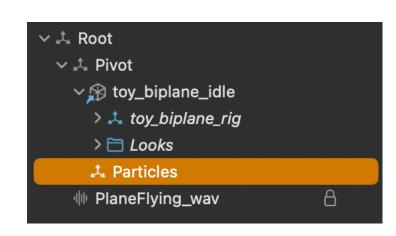
Tasks in code are highlighted with a "TODO: Task X, Step Y" - simply search in Xcode via Command + Shift + F for them

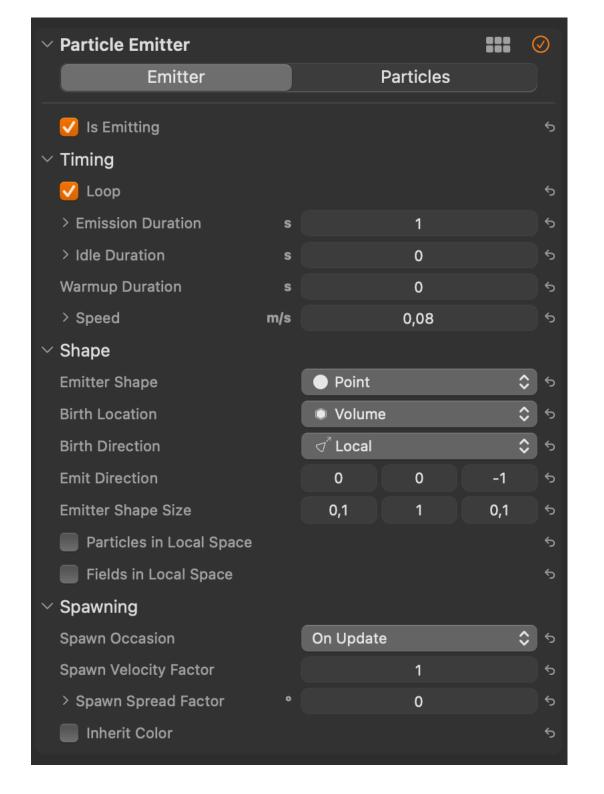
There is a tag for each solution in the git repository

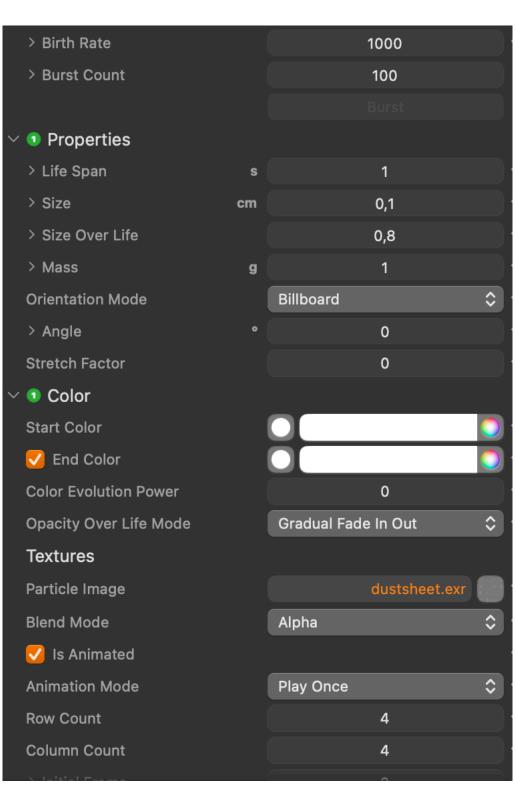
Task 1 - Customize Scene

- 1 Try adding new entities, particles, adapt materials & colors
- 2 Add trail particles to enemy
- 3 (Optional) Change the texture of the smiley

All tasks above can be done in Reality Composer Pro







Task 2 - Load 3D scenes

Read yourself a bit into the code how everything works

- 1 Load GameScene into app
- 2 Load enemy scenes in spawn system

Hint: Needs to be loaded from realityKitContentBundle

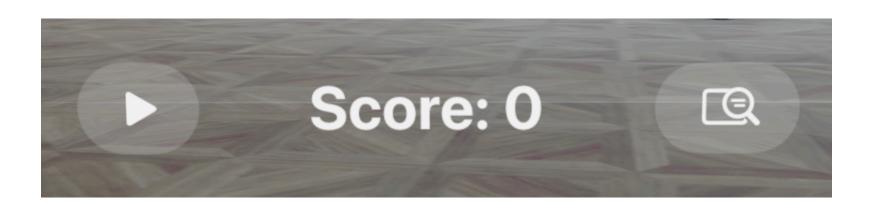
Task 3 - Handling Components

- 1 Decrease health of target when bullet collides with it
- 2 Remove bullet on collision
- 3 Adapt scale of health bar when health changes
- 4 Remove entity when health is zero
- 5 Add health component to Enemy in RCP
- 6 Reduce health of enemy by 50 when it gets tapped
- 7 Stop game when target health is zero
- 8 Increase score by 10 when enemy health is zero

```
var hasHealth = entity.components.has(HealthComponent.self)
entity.components.set(HealthComponent())
entity.components[HealthComponent.self] = HealthComponent()
entity.components[HealthComponent.self]?.health -= 5
// ...
if let healthComponent = entity.components[HealthComponent.self] {
   // Modify healthcomponent
   // ...
   entity.components[HealthComponent.self] = healthComponent
entity.components.remove(HealthComponent.self)
```

Task 4 - Add Ul

- 1 Remove automatic game start
- 2 Add a button to start / stop the game
- 3 Add a text view to show the current score



Hint: Extend existing MenuView