

Assignment 7 - Designing The Game

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Description

To use **Object Oriented Programming** mindset to clarify what we need to implement, what classes are needed, how those classes are related and finally to specifies how they will carry out their responsibilities.

Files

#	File	Description
1	Banner	Banner for Assignment
1	Diagram.png	Visual model of the classes using UML

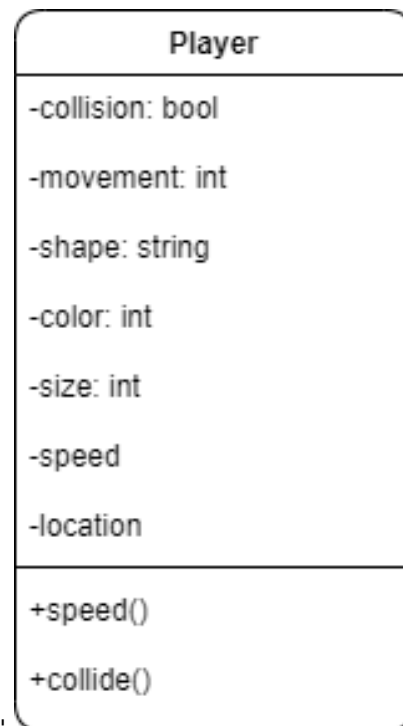
Instructions

1. **Identify the classes and objects to be used in the program.**
2. **Define the attributes for each class.**
3. **Define the behaviors for each class.**
4. **Define the relationship between classes.**

Possible Classes

Player

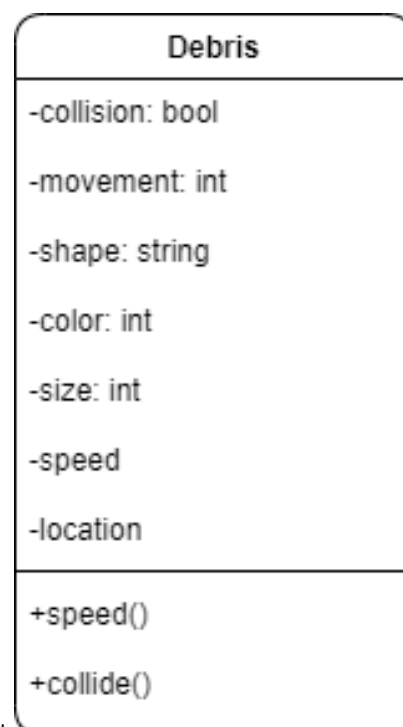
- Has a Shape
- Has a Size
- Has a Color
- Has a Speed
- Has a Location (could change)
- Can move in any direction using keys



- Can collide with other "objects"

Debris

- Has a Shape
- Has a Size
- Has a Color
- Has a Speed
- Has a Location (could change)
- Can move in any direction

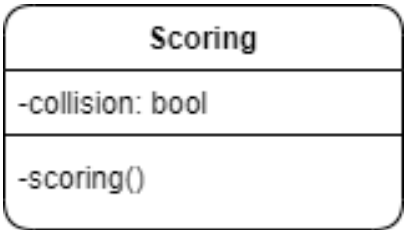


- Can collide with other "objects"

Scoring

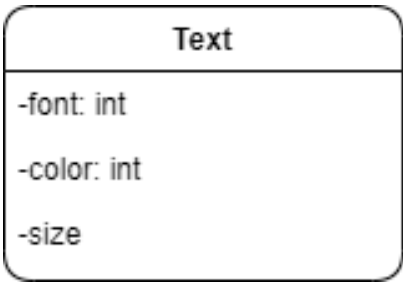
- When a Player comes collides with Debris score is negatively effected.

- When a piece of Debris leaves game screen (on the left), score is positively effected.



Text

- Has a Font (can change)
- Has a Location
- Has a Color



- Has a Size

Game

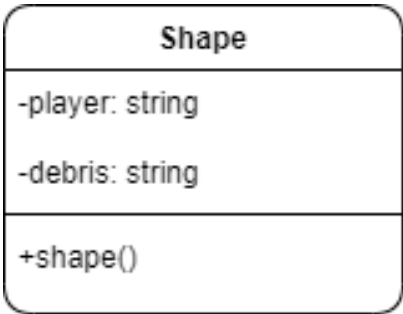
- Has player(s)
- Has score(s)



- Has debris(s) (yes "debris" can be plural but it doesn't make the point)

Shape

- Is a player



- Is a debris

Diagram

