Developers: Abraham Arocha Baheeja Muntassei Gabi Gerges Lucas Martins

Randomizer ----(no attributes)

+ generateRandomSpeed():

Float

r		
	uses	

Car Racing Game Class Diagra

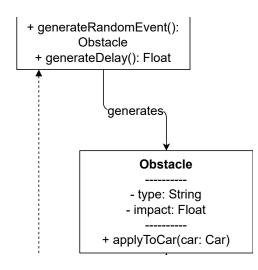


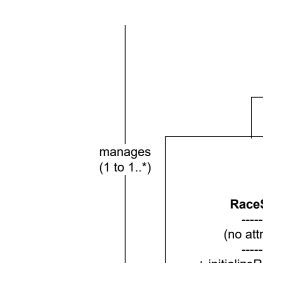
- cars: List
- isRunning: Boolean
 - startTime: Time
 - endTime: Time
 - + startRace()
 - + pauseRace()
- + resetRace() + updateRaceStatus()
- ahaak Daaa Camplatian

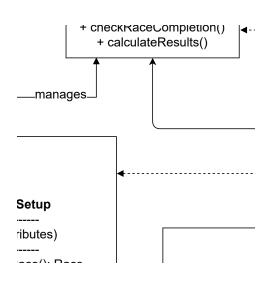
am

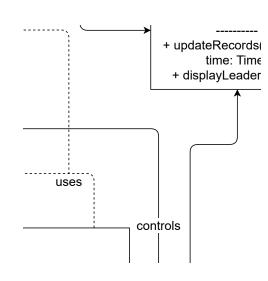


ard updates

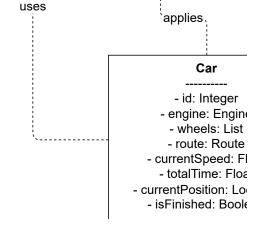


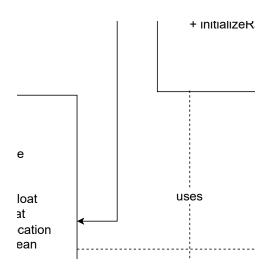


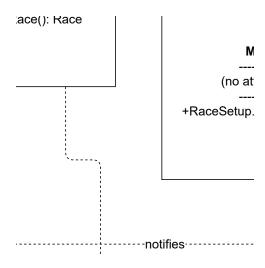




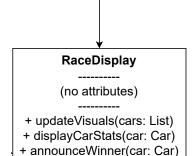
(car: Car, e) rboard()

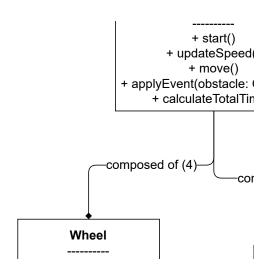


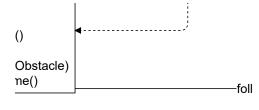


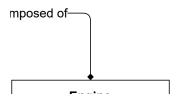


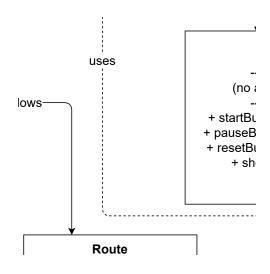
lain tributes) .initializeRace()	disp	lays	
controls	 		_

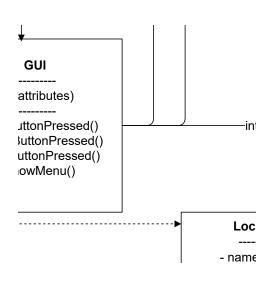












teracts with—

ation

e: String

- condition: Float - gripLevel: Float
 - + wearDown() + getGripLevel(): Float

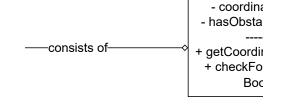
Engine

- horsePower: Float
- maxSpeed: Float
- + getAcceleration(): Float
- + getMaxSpeed(): Float

- locations: List - currentIndex: Integer

+ getNextLocation(): Location

+ isRouteComplete(): Boolean + getDistanceToNext(): Float



ates: Tuple cle: Boolean ----nates(): Tuple

nates(): Tuple rObstacle():

olean