

# Are You the One?

## Contestant:

### Attributes

- self.name = string
- self.pair = perfect pair
- self.probabilities = dict

### Functions

- self.add\_pair(pairing)
- self.check\_pair(contestant)
- self.find\_partner(list)
- self.initialize\_probabilities
- self.update\_probabilities

## Game:

### Attributes

- self.rounds = integer
- self.contestants = list
- self.status = boolean

### Functions

- self.round()
- self.game\_over()
- self.run\_game()

*Calls upon functions/attributes from Contestant class*

## Ex. - Game1(Game):

### Attributes

- (from Game)

### Functions

- self.round()
- self.run\_game()

*Each of the 4 separate game classes inherits from the parent Game class, and implements a new self.round(), and in Game4 a new self.run\_game()*