Object Oriented Programming in Java

Lab 6

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By-

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UML Diagrams Java Object Oriented Programming

Square	
-width:double	
Square()	
Square(width:double)	
-getPerimeter():double	
-getArea():double	

Bond
-coupon:double
-interest:double
-valueMaturity:double
-payments:int
Bond()
Bond(coupon:double, interest:double, valueMaturity:double, payment:int) -getPrice():double

SoccerMatch -startTime:Date -endTime:Date -location:String -home:String -visitor:String -homeplayers:Player[] -visitorplayers:Player[] -homegoals:Goal[] -visitorgoals:Goal[] SoccerMatch () SoccerMatch(startTime:Date, endTime:Date, location:String, home:String, visitor:String) +addHomePlayer(p:Player) +addVisitorPlayer(p:Player) +getWinner() +addHomeGoals(g:Goal) +addVisitorGoals(g:Goal) + getHomeGoals():int + getVisitorGoals():int

Player

-name : String-goals : int-team : String

Player()

Player(name: String, team: String)

+getName() : String + setName(name : String)

+ getGoal() : int
+ setGoal(goal : int)
+ getTeam():String
+ setTeam(team : String)

Goal

-minute : int -player : Player

Goal()

Goal(minute: int, player: Player)

+ getPlayer () : Player
+ setPlayer (p : Player)
+ getMinute () : int
+ setMinute (minute : int)