Lab 6: Problem 1

| | Square |
|---------------------------|--------|
| + width: double | |
| + Square() | |
| + Square (x: double) | |
| + getArea(): double | |
| + getPerimeter(): double | |

Lab 6: Problem 2

Bond

+ coupon: double+ payments: int+ interest: double

+ valueMaturity: double

+ Bond()

+ Bond (coupon: double, payments: int, interest: double,

valueMaturity: double)

+ getPrice(): double

Lab 6: Problem 3

Soccer Match + startTime: Date + endTime: Date + location: String + home: String + visitor: String + homePlayers: Player[] + visitorPlayers: Player[] + homeGoals: Goal [] + visitorGoals: Goal [] + numberOfHomePlayers: int + numberOfVisitorPlayers: int + numberOfHomeGoals: int + numberOfVisitorGoals: int + SoccerMatch() + SoccerMatch(startTime: Date, home: String, visitor: String) + addHomePlayer(): void + addVisitorPlayer():void + getWinner(): String + addHomeGoal(): void + addVisitorGoal(): void

Player + name: String + goals: int + team: String + Player() + getName(): String + setName(): void + getGoals(): int + setGoals(): void + getTeam(): String + setTeam(): void

Goal

+ minute: int

+ player: Player

+ Goal(minute: int, player: Player)

+ getMinute(): int

+ setMinute(): void

+ getPlayer(): Player

+ setPlayer(): void