**44-542 Object Oriented Programming**

**UML KEY**

|  |
| --- |
| Rectangle |
| -width:double  -height:double |
| +Rectangle(width:double, height:double)  +Rectangle()  +getHeight():double  +setHeight(height:double)  +getWidth():double  +setWidth(width:double)  +getArea():double  +getPerimeter():double |

|  |
| --- |
| Movie |
| -title:String  -lengthInMinutes:int  -cost:double  -rentalPrice:double  -timesRented:int |
| +Movie(title:String,lengthInMinutes:int,cost:double,rentalPrice:double)  +getTitle():String  +getTimesRented():int  +incrementTimesRented()  +isLong():boolean  +hasMadeProfit():boolean  +getProfitAmount():double |