

# MAT 335E Programming Algorithms

## Lab-8 / CRN : 10611

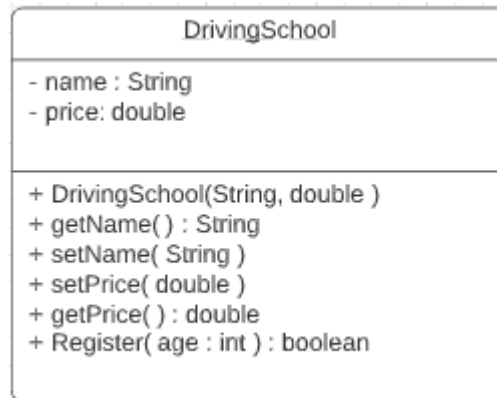
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### 1 Question 1

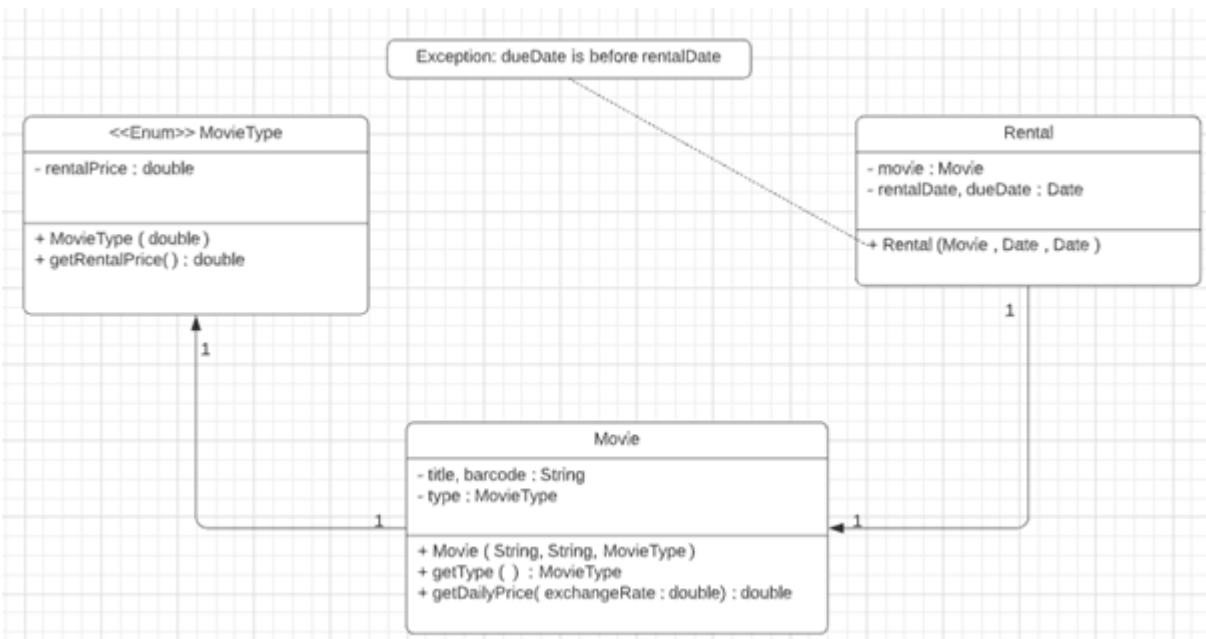


UML diagram for `DrivingSchool` class is illustrated in the figure above. Write a java source code of this class considering followings.

- Member price cannot be negative. If negative, you must throw an exception.
- `Register()`: This method registers a person whose age is given as a parameter. But person must be at least eighteen years old. Otherwise, you must throw an exception.

(**HINT:** In order to throw exception, use try-catch block.)

## 2 Question 2



A simple UML diagram for movie rental automation is given above. Write a java source code of this automation considering followings.

### Class MovieType:

There are three movie types: Regular, New release and Children's. The Daily rental price of these movie types are \$1.5, \$2.0 and \$1.0, respectively.

### Class Movie:

`getDailyPrice()`: Daily rental fee is multiplied by the daily exchange rate and paid in TL.

**Note:** In order to use class `Date`, import `java.util.Date`