

## MAT 335E Programming Algorithms / Term Assignment

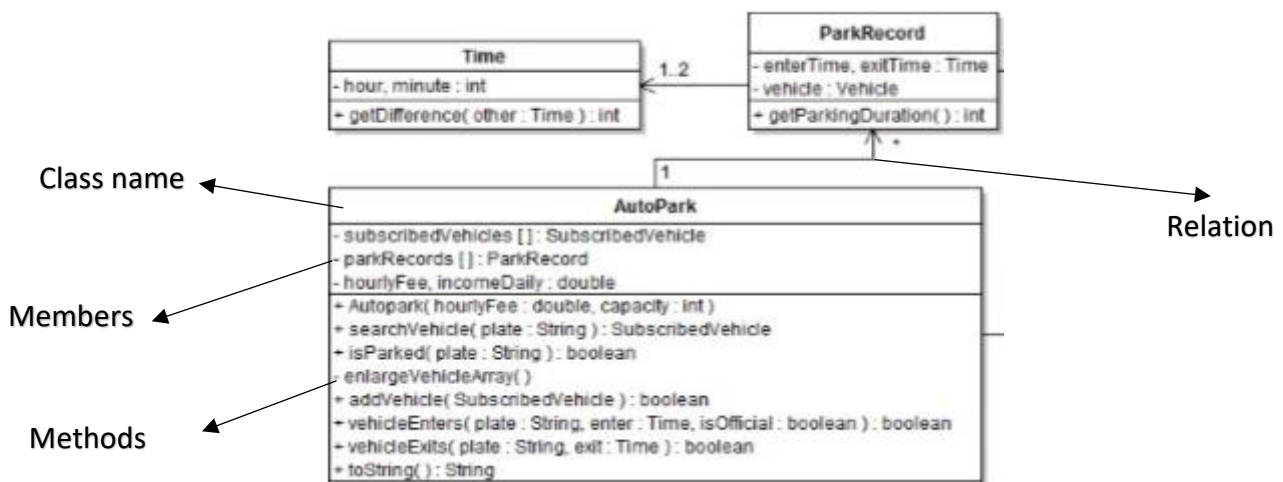
You should make a java project application that includes the following steps. These steps are detailed below.

### 1-) UML Class Diagram Design Stage

Before proceeding to the coding stage, you are asked to design a UML class diagram according to the requirements of the project you selected. UML class diagram contains the following:

- **Class name, members and methods** for each class
- **Relations between objects** (Association, Aggregation, Inheritance etc.)

Example UML class diagram and the above properties can be given as follows.



### 2-) Coding Stage

You must use GUI and Database application in your codes. Your coding should filter user's actions, providing proper messaging and corrective actions. Also, consider the UML class diagrams you have designed when making your coding.

**Warning:** Make sure your code and UML diagrams are compatible with each other.

### 3-) Presentation Stage

Presentation will be done by groups on **02.01.2024**.

**Notes:** Submit assignments as a zip file due to **02.01.2024: 13.00 PM** to NINOVA.