Hacettepe University: Computer Science and Engineering Department

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Identity Number: 21946606
Course: BBM104
Experiment: Airport Transportation System By Java
Subject: Inheritance And Polymorphism OOP Concepts
Data Due: 30.04.2020 – (12:00)
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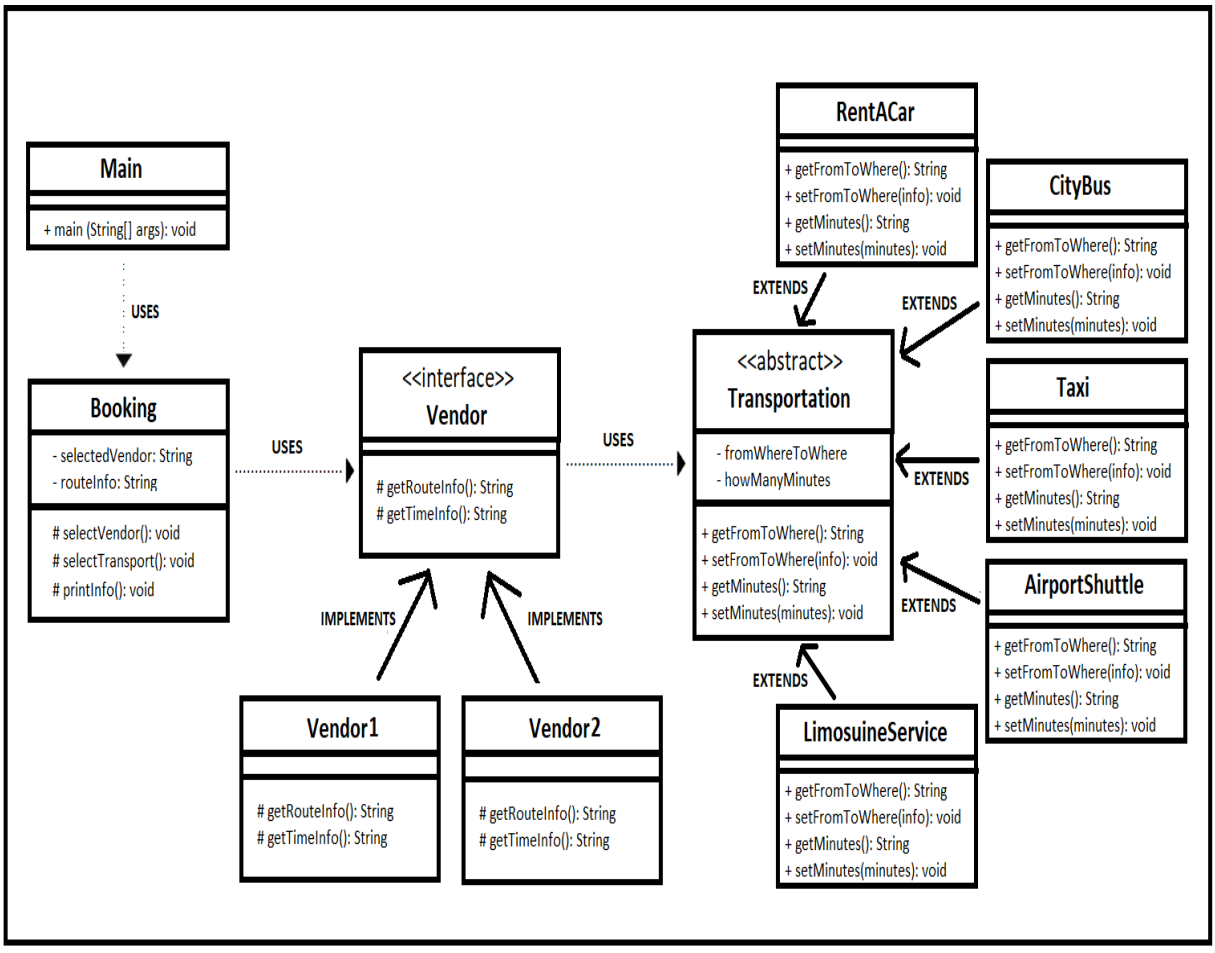
Main Program: HU_CENG Submit System > b21946606 > Report.Pdf

1. Table Of Contents

2. UML Class Diagram



3. Class Design Notes

3.1 Description Of Class

3.1.1 Problem: We need to design a UML class diagram for a booking system for airport transportation. But this program must be with less complexity and more code reuse.

3.1.2 Solution: For that we will use encapsulation, inheritance and polymorphism.

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3.2 A Few Notes For Understandibility Of UML Diagram:

- User selects vendor first, than selects transportation method.
- When user selected a vendor, selected vendor accesses its own private transportation information with using its overrided get and set methods. (**polymorphism**) With these methods vendors communicate with extended classes of **abstract** transportation class.
- Also these extended and implemented transportation methods has their own **overrided** get and set methods, which we call **polymorphism** again. It makes easily mutate and access information.

4. References

<Problem Definition Reference>

By BBM 104 Team

Quiz3.pdf

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<Format Of Report Reference>

By Hacettepe University Computer Science & Engineering Team

ftp://ftp.cs.hacettepe.edu.tr/pub/dersler/genel/FormatForLabReports.doc

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