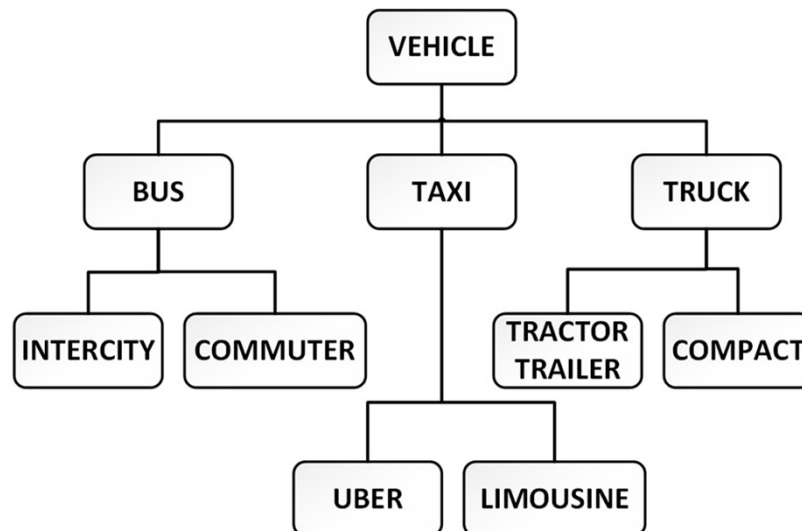## Inheritance

GTransport Inc. Case Study

1) Start-up company – Writes scheduling software for ground transportation systems.

2) The VEHICLES used to transport people and goods are BUSES, CABS and TRUCKS.

3) PERSONS such as DRIVERS, USERS and CONTROLLERS play key roles in the operation of the transportation services.

4) Smart reuse of software is a key goal.

Winter 2018   CISC124 – Section 2   1

Vehicle Hierarchy

Winter 2018   CISC124 – Section 2   2

Person Hierarchy

User Specializations Based on Type of Transportation Services Requested

Winter 2018   CISC124 – Section 2   3

Person Hierarchy

This Class Seems Out of Context in this Hierarchy.

Winter 2018   CISC124 – Section 2   4

Person Hierarchy

Branch Reorganization to
Maintain Consistency in
the Abstractions Defining
the People Hierarchy

Winter 2018   CISC124 – Section 2   5

Java Hierarchy

Winter 2018   CISC124 – Section 2   6