Name: _____

Domain Modeling Quiz

Create a domain model for the following problem[1]:

> An international airport requires a system to keep track of flight details for customers. Each flight has a flight number, destination airport, departure time, departure gate, airline, and flight cost. An airport has a code (i.e., airport code) and a country and city where it's located. Of course, an aircraft carries out the flight. An aircraft has a make, model, and capacity (number of passengers that it can carry). Some flights are direct flights (i.e. they fly non-stop to the destination), and some are indirect flights (i.e., they fly via another airport to the destination). An indirect flight stops at an airport en route to its destination to refuel. Information regarding the refueling airport must also be stored. On some flights, additional passengers can board the plane at the transit airport. The system needs to keep track of whether boarding will take place at the transit airport or not.

Figure 1 provides an example domain model for a point-of-sale system.

[1] Excerpt adapted from http://titan.cs.unp.ac.za/~nelishiap/comp301/lectures/ood_exercises.pdf.

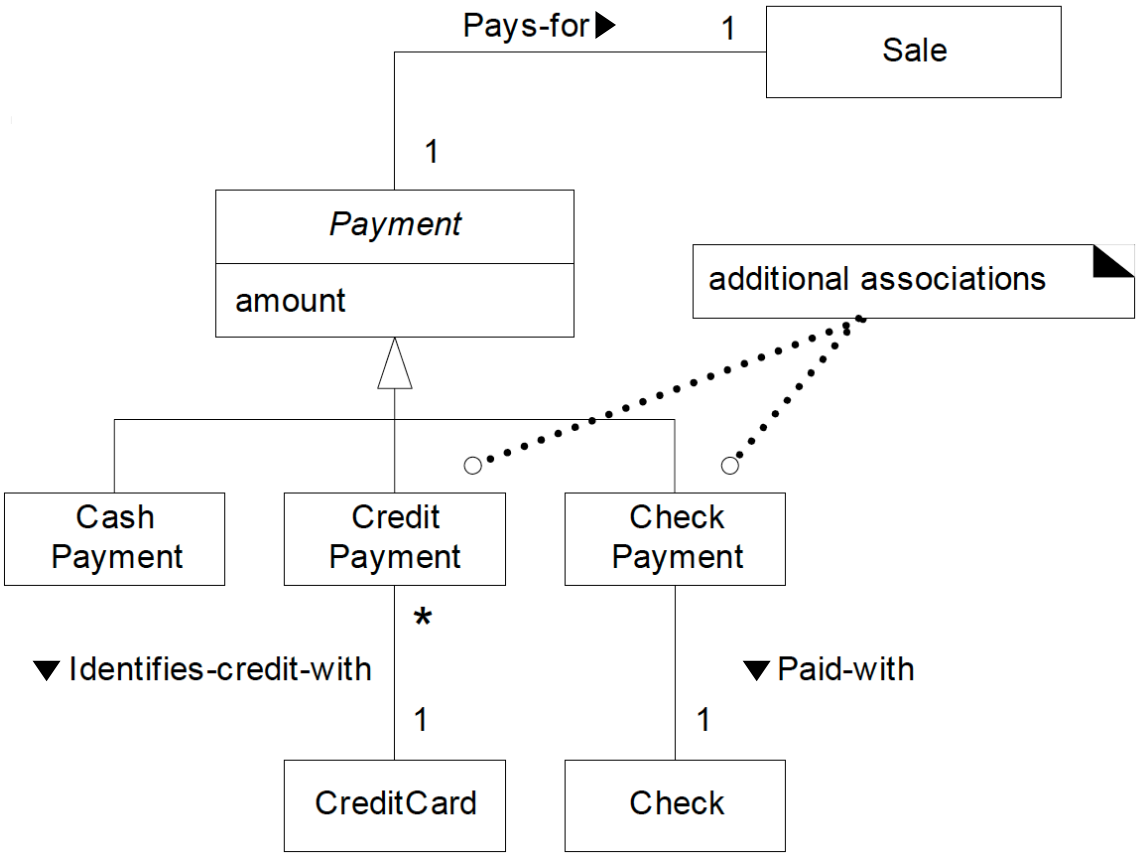

Figure 1. Example domain model from Larman.

(Draw your model here.)