CIS 28: Fly-By-Night (FBN) Airlines

Homework Problem 2: Class Attributes

Submit a list of all important attributes of the following 3 classes used in the FBN Conceptual Diagram:

- Plane Type
- Plane
- Flight Instance

The collection of attributes for each abstraction should look like the following example (illustrated for the "Gate"). Correctly explaining what the attribute represents is as important as listing the attribute.

Object: Gate

Airline	// Reference to Airline which "owns" the Gate - (n:1)
Gate Status;	// enum (*Available, PlaneBeingServiced, MechanicalProblem, Reserved*)
Terminal	// Terminal Gate is located in (ex: "D" or "SJC-D") (n:1)
Gate Number	// Gate Number (ex: 11)
Phone Number;	// Phone number of the desk located at the Gate
Employee	// Current Gate Supervisor / Contact
UsageLog	// Contains info on all Flight Instances (1:n) for day that used or are using Gate
	// *Scheduled Arrival Time* (future)
	// + *Actual Arrived Time* (present)
	// + *Scheduled Departure Time* (present)
	// + *Actual Departure Time* (past)
RestrictionsList;	// List of restrictions on Airplane Types that can "dock" at this Gate (1:n)
	// Ex (Walkway Height < 30 Feet, Length < 250 Feet, Max Capacity < 120)