Airline companies

We want to design an E-R diagram to represent a part of the world of airline companies.

A flight is described by a number (#flight) and a frequency (daily, weekly, monthly, weekly except Sunday...).

A flight is managed by one airline company (Example: Flight AF235 and AA835 are managed by Air France and Air Africa respectively).

A flight is determined by a departure airport and an arrival airport and also by a time of departure (deptime) and a time of arrival (arrivaltime).

A flight can have different stops in different airports or be direct from one airport to another airport.

Lectures and recitations

We want to design an E-R diagram to represent a part of the world of an University.

We consider Students and Professors of the University. There are different levels of professors (assistant professors, associate professors, professors...) and they have been working in the university for a certain time. Students are in different years of University and in different majors. A professor teach one or several classes.

An academic team is composed of one responsible for the lectures and one or several responsible for the recitations. A responsible of recitation is in charge of a Recitation section.