**Analysis (Version 2)**

Legend: **entity**, attribute, relationship, constraint.

Our office has several **dental assistants** and **dentists**. Each performs various **procedures**, and each procedure has a specific cost.

We want the database system to do several things. First, we'd like the receptionist, that's me, to be able to enter the name of the procedure (or procedure ID) performed on each patient. For example, let's say Mrs. Young comes in to have a root canal (which we might call Procedure 7). When she leaves the office, I log her name or patient ID, the time in and the time out, the name or ID of the procedure performed (in this case, a root canal), and the date of service. Note that multiple procedures might be performed on a **patient** during one visit. For example, Mrs. Young might have her teeth filled and cleaned during one visit.

Second, we need to track the number of hours the dental assistants work. Even though we charge the patient a set fee per procedure, the dental assistant is paid by the hour. So we'll need to record the start and finish times of each appointment, so the time the dental assistant spends with each patient can be calculated.

Third, we want to generate monthly bills to send to our patients who do not have dental insurance. These bills should show the name and address of the patient, the procedures per­formed, the date of service, the service provider, the cost for each procedure, and the total bill.