**Table Name: Visitation Record**

**Attributes:**

* length of visit
* procedure
* diagnosis ids
* given prescription ids
* scheduling of treatment
* date of visit
* freeform comments
* surgery performed
* Doctor id associated with visit
* Patient id
* Doctor ids whom are allowed to view the record
* Staff ids with permission

**Special Operations:**

* Update: Create a new record instead with the updated information

**Viewing Rights:**

* Doctor: Can only see records of their own patients. Can grant/revoke permission to another doctor to look at one of their patient's visitation records. Past recrods of a patient available when looking at current record. find past records by date, patient name, diagnosis, keyword in freeform comments, prescriptions given, surgery performed, etc. Can enter a patient visitation record.
* Staff: Can access the records for the doctor(s) they work for if they have permission.
* Patients: Can only look at their own records. Can't see freeform comments.
* Financial department: Ability to monitor any doctor to determine how many patients he/she saw in a given time period(SQL query based on date of visit), can see all of the information in this table. How many times a given patient was seen(query based on number of records)

**Table Name: Doctor**

**Attributes:**

* id
* staff id
* Current patient ids

**Special Operations:**

**Viewing Rights:**

* Financial officer: can see doctor's information, but can't look up patient's name
* Doctors: Should be able to list current patients which is searchable by several criteria(name, patient id, last visit data, ...).

**Table Name: Staff**

**Attributes:**

* id
* name
* role (i.e. doctor, staff, financial officer)
* doctor id (if applicable)
* id of whom they work for
* user id (for authentication)
* password

**Special Operations:**

**Viewing Rights:**

**Table Name: Patient**

**Attributes:**

* id
* name
* Visitation record ids (one to many)
* user id (for authentication)
* password
* address
* phone number
* OHIP #
* Current doctor id

**Special Operations:**

**Viewing Rights:**

* Patient: Can only view their own records and should be confidential, require password. Can update only address, phone number.
* Staff: Create new patients. Update patient information. Assign patient to a doctor.

**Table Name: Appointments**

**Attributes:**

* id
* Doctor id
* Patient id
* scheduled date and time
* given length of visit

**Special Operations:**

**Viewing Rights:**

* Staff: Enter appointments and check for conflicts. Delete appointments of reschedule them.

**Table Name: Prescriptions (list of all possible (prepopulated))**

**Attributes:**

* id
* name
* description
* diagnosis ids

**Special Operations:**

**Viewing Rights:**

**Table Name: Diagnosis (list of possible diagnoses with recommended treatment (prepopulated))**

**Attributes:**

* id
* name
* description
* outcomes
* precription ids (array)

**Special Operations:**

**Viewing Rights:**