Ahmad Gaal

Sokiri Monokajo

Oscar Fosu

**Doctor** **class – Oscar**

Int doctorID

String first name

String lastname

String gender

String address

String task

String task\_ date\_and\_time\_completed

**Responsibility of the class:**

The doctor class will assign a list of patients that the doctors will get for that day.

* Develop a method that inserts a value into the table
* A function that deletes the row of a doctor
* Develop a function that finds a doctor using the doctor’s ID
* A function that selects and prints out the whole table of doctor

**How the class will work together:**

The Doctor class has a dependency on the patient class and vice versa because both have a one-to-many relationship table. Doctor Class gets a Patient object as a parameter and will display the patientID for each doctor, so users will know which doctor the patient is assigned to.

**Patient Class - Sokiri**

Int PatientID

String firstname

String lastname

String address

String phone

String diagnosis

char gender

String care

Int doctorID-FK

Int appointmentDate

Int time

Int roomID

**Responsibility of the class:**

The patient class will list a group of patients for each doctor on a given day.

* Develop a method that inserts a value into the table
* Develop a method that updates the values of a column (names, address, phone #, disease, gender, medication, appointment Date, time)
* Develop a method that deletes the values of a column by phone number or lastname.
* A function that selects and prints out the whole table of patient.
* A function that finds patient by ID.

**How the class will work together:**

The patient class has a dependency on the doctor class and vice versa because of its one-to-many relationship table. The patient class gets a doctor object as a parameter and it will display the doctorID for each patient, so users will know who’s doctor the patient is assigned to.

**Bill Class - Ahmad**

Int billID-PK

Int days\_num

Int room\_num

Int room\_charge

Int doctor\_charge

Int patientID-FK

**Responsibility of the class:**

Displays how much the type of patient whether they’re inpatient or outpatient will owe.

* Develop a method that inserts values into the table
* Develop a method that updates value of Bill Class (room charges, doctor charges, ).
* Develop a method that shows Bill Data.

**How the class will work together:**

The Bill class has a dependency on the patient class and it will get a patient object, so the user will know the patientID to each bill.

* Oscar will implement the Doctor Class. Sokiri will implement the Patient Class. Ahmad will implement the Bill Class. Our group will work on the coding by implementing our own classes together by the methods we planned.