

CPSC 304

2017 Winter Term 1

Project Deliverables

Group Members:

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above.

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia.

Part 1: Modifications

The following items from previous deliverables have been modified.

Project Proposal:

Our project now uses Ajax instead of ugrad php servers.

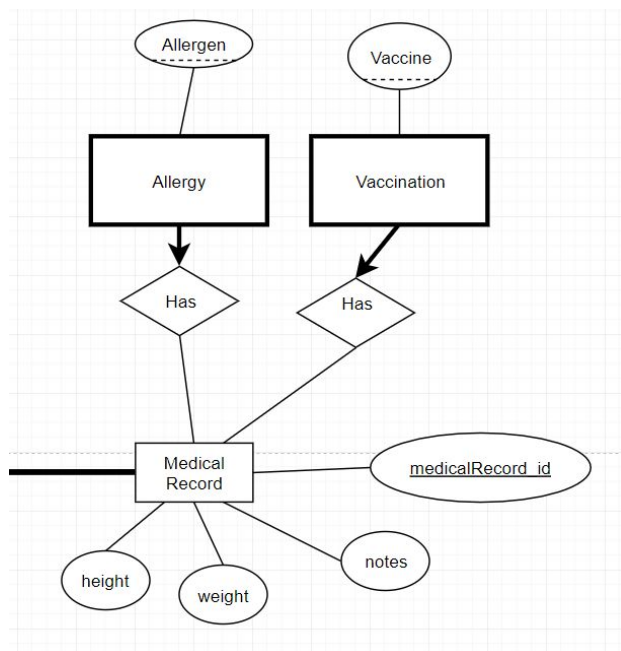
ER-diagram / Relational Schema:

Laboratory:

Name Column added.

MedicalRecord:

- Allergies, Vaccinations has been separated into another table. There is a new table
- **Allergies**(MedicalRecord_id, Allergy)
 - PK is MedicalRecord_id, Allergy
 - FK MedicalRecord_id references MedicalRecord
- AND:
- **Vaccination**(MedicalRecord_id, Vaccine)
 - PK is MedicalRecord_id, Vaccine
 - FK MedicalRecord_id references MedicalRecord
-
- Treatments, Medications Column Eliminated.
- ER Diagram modification (only relevant part shown for brevity)



LabOrder/Test

- Status, Result, Time columns have been moved from Test to LabOrder.

Drug

- Price column eliminated.

Formal Spec Deliverables:**Deliverable 2 Changed to:**

Insert a new employment of a doctor, only knowing the doctor's name - e.g. Crin Salt.

Deliverable 3 Clarified to:

Delete the appointment on a certain date done for a certain patient given their ID

Deliverable 4 Clarified to:

Update any/all columns of a patient given patient_id and patient columns

Deliverable 5 Modified to:

Return the tests done and the ordering doctor's license number of patient given their id

Deliverable 6 Clarified to:

Select all past medication of a patient given patient id - eg. **of patient ID 10160**

Deliverable 7 Modified to:

Select all doctor name, clinic **address**, dates, and times of appointments for any patient given their ID e.g. 10350

Deliverables 8,9,10; Unchanged(Replicated Here for convenience)

8. Join prescription, Prescribes, and drug, and count how many patients have been prescribed each unique drug.

9. Get the name and phone number of all employees who work at a clinic at a certain id

10. Get all patients who have been immunized with the latest flu vaccine

Deliverable 11 Changed to:

11. Get all allergens of patient given patient id - e.g. 10410

Deliverable 12 Changed to:

Get all patients who have been immunized with the flu vaccine using a view (so a view for deliverable 10).

Part 2: Unexpected Challenges

1. Not having grant privileges on public was hard to debug initially
2. Not having access to php's conf or log files to debug
3. Not being able to view the sql queries created by executeBoundSQL
4. Random Data generation for many tuples that are related to each to each other, that has assertions.

Part 3: Non-deliverable Features

1. Logging in for patients, receptionists and physicians
2. Getting a patient by patientid
3. Getting allergies by patientid
4. Getting vaccinations
5. Getting patients by last name to power search function
6. Inserting new patients
7. Deleting patients by their id
8. Adding new allergy for a patient
9. Using vue.js for frontend framework to have responsive UI
10. Primary key sequences for autoincrement