FINAL PROJECT

CSFS1030

**Elaborated by**

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**Brief Description of the Project**

My project is based on a necessity I found at my current workplace. The Hamilton Family Health Team is a health care organization that provides many services in the Hamilton area to family physicians and health care workers.

One of the needs of our health care staff is to be able to follow up on the status after they submitted a request for a remote connection to their practice’s system. The remote access is provided at the discretion of the practice, and it can take some time to obtain. Additionally, upper management team members have the need to gather important data about remote access status of our health care staff and use it as part of their decision-making process.

**Mission Statement**

The purpose of the Remote Status database is to store information about Health Professional’s remote access details to their respective practice or clinic’s medical record systems, so it can be utilized at different levels within the organization.

**Mission Objectives**

* Provide a list of practices and the current status of a health worker remote access request.
* Provide a list of all active remote access group by medical record type.
* View details about the progress of a new remote access request.
* Provide a list of practices including remote connection details.

**Subjects/Entities**

* Employment Status Type
* Practice
* Allied Professional (health care worker)
* Allied Professional Type
* Medical Record Type
* IT Company
* Practice Allied Affiliation
* Practice Connection Details
* Allied Remote Status
* Remote Status Type
* Step Five Type

**Relationships**

* An **allied professional** must have one and only one **allied professional type**; An **allied professional type** may be assigned to one or more **allied professionals**.
* A **practice** must have one and only one **medical record type;** A **medical record type** may be assigned to one or more **practices**.
* A **practice** must have one and only one **IT company;** An **IT company** may be assigned to one or more **practices**.
* A **practice** must have one and only one **connection details** record**;** A **connection details** record must belong to one and only one **practice**.
* An **employment status** must be assigned to one or more **allied professionals;** An **allied professional** must have one and only one **employment status**.
* An **employment status** must be assigned to one or more **practices;** A **practice** must have one and only one **employment status**.
* A **practice-allied affiliation** record must be associated to one and only one **allied professional**; An **allied professional** may be assigned to one or more **practice-allied affiliation** record.
* A **practice-allied affiliation** record must be associated to one and only one **practice**; A **practice** may be assigned to one or more **practice-allied affiliation** record.
* An **allied remote status** record must have one and only one **remote status type** selection; A **remote status type** selection may be assigned to one or more **allied remote status** record.
* An **allied remote status** record must have one and only one **step five type** selection; A **step five type** selection may be assigned to one or more **allied remote status** record.
* A **practice-allied affiliation** record must have one and only one **allied remote status** record**;** An **allied remote status** record must belong to one and only one **practice-allied affiliation** record.

**Entity Relationship Diagram**

Diagram

Description automatically generated

**Relational Model**

* Allied Type (**typ\_id**, typ\_name)
* Medical Record (**emr\_id**, emr\_name)
* Remote Status (**rem\_id**, rem\_name)
* Step 5 Type (**fiv\_id**, fiv\_name)
* Employment Status Type (**emp\_id**, emp\_name)
* IT Company (**itc\_id**, itc\_name, itc\_address, itc\_phone, itc\_email, itc\_contact\_name)
* Practice (**prc\_id**, prc\_name, prc\_address, prc\_phone, prc\_email, prc\_emr\_id(FK), prc\_itcompany\_id(FK), prc\_emp\_id(FK))
* Practice Connection Details (**det\_id**, det\_server, det\_string, det\_gateway, det\_port, det\_program, det\_prc\_id(FK))
* Allied Professional (**all\_id**, all\_first\_name, all\_last\_name, all\_phone, all\_email, all\_type\_id(FK), all\_emp\_id(FK))
* Practice Allied Affiliation (**aff\_id**, aff\_start\_date, aff\_end\_date, aff\_prc\_id(FK), aff\_all\_id(FK))
* Allied Remote Status (**sta\_id**, sta\_emr\_login, sta\_comments, sta\_last\_update, sta\_step1, sta\_step2, sta\_step3, sta\_step4, sta\_fiv\_id(FK), sta\_aff\_id(FK), sta\_rem\_id(FK))

**Scripts for creating and populating the Database**

-- CREATE DATABASE

CREATE DATABASE DBRemoteAccess;

USE DBRemoteAccess;

-- CREATE TABLES

-- the allied specializations: mental health counsellor, registered dietitian, etc

CREATE TABLE tbl\_Allied\_Type(

typ\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

typ\_name VARCHAR(35) NOT NULL

);

-- medical record app or EMR types: ps suite, oscar, accuro, etc

CREATE TABLE tbl\_Medical\_Record(

emr\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

emr\_name VARCHAR(35) NOT NULL

);

-- the status of a remote acces request done by an allied: Yes(the allied is able to remote into that practice's emr), in progress, denied, etc

CREATE TABLE tbl\_Remote\_Status(

rem\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

rem\_name VARCHAR(35) NOT NULL

);

-- the status of the last step #5 in the process of a request: ready, completed, etc

CREATE TABLE tbl\_stepfive(

fiv\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

fiv\_name VARCHAR(35) NOT NULL

);

-- the employment status: active(with a contract) or inactive(ended contract with the organization)

CREATE TABLE tbl\_Employment\_Status(

emp\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

emp\_name VARCHAR(35) NOT NULL

);

-- the It company information of each practice or clinic (each practice outsources or has a staff for technical services)

CREATE TABLE tbl\_ItCompany(

itc\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

itc\_name VARCHAR(35) NOT NULL,

itc\_address VARCHAR(255),

itc\_phone VARCHAR(16),

itc\_email VARCHAR(255),

itc\_contact\_name VARCHAR(35)

);

-- information about the practice or clinic

CREATE TABLE tbl\_Practice(

prc\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

prc\_name VARCHAR(35) NOT NULL,

prc\_emr\_id INT NOT NULL,

prc\_itcompany\_id INT,

prc\_emp\_id INT NOT NULL,

prc\_address VARCHAR(255),

prc\_phone VARCHAR(16),

prc\_email VARCHAR(255),

FOREIGN KEY (prc\_emr\_id) REFERENCES tbl\_Medical\_Record(emr\_id),

FOREIGN KEY (prc\_itcompany\_id) REFERENCES tbl\_ItCompany(itc\_id),

FOREIGN KEY (prc\_emp\_id) REFERENCES tbl\_Employment\_Status(emp\_id)

);

-- the remote connection details of the practices

CREATE TABLE tbl\_Practice\_Connection\_Details(

det\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

det\_prc\_id INT NOT NULL,

det\_server VARCHAR(50),

det\_string VARCHAR(50),

det\_gateway VARCHAR(50),

det\_port VARCHAR(10),

det\_program VARCHAR(50),

FOREIGN KEY (det\_prc\_id) REFERENCES tbl\_Practice(prc\_id)

);

-- information about the allied professional

CREATE TABLE tbl\_Allied\_Professional(

all\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

all\_first\_name VARCHAR(35),

all\_last\_name VARCHAR(35),

all\_type\_id INT NOT NULL,

all\_emp\_id INT NOT NULL,

all\_phone VARCHAR(16),

all\_email VARCHAR(255),

FOREIGN KEY (all\_type\_id) REFERENCES tbl\_Allied\_Type(typ\_id),

FOREIGN KEY (all\_emp\_id) REFERENCES tbl\_Employment\_Status(emp\_id)

);

-- store the affiliation or contract between an allied professional and a practice

CREATE TABLE tbl\_Practice\_Allied\_Affiliation(

aff\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

aff\_prc\_id INT NOT NULL,

aff\_all\_id INT NOT NULL,

aff\_start\_date DATE,

aff\_end\_date DATE,

FOREIGN KEY (aff\_all\_id) REFERENCES tbl\_Allied\_Professional(all\_id),

FOREIGN KEY (aff\_prc\_id) REFERENCES tbl\_Practice(prc\_id)

);

-- store information about the progress of a request made by an allied professional to remote into a practice's emr or medical record app

CREATE TABLE tbl\_Allied\_Remote\_Status(

sta\_id INT PRIMARY KEY NOT NULL AUTO\_INCREMENT,

sta\_aff\_id INT NOT NULL,

sta\_rem\_id INT,

sta\_emr\_login BOOLEAN,

sta\_comments VARCHAR(255),

sta\_last\_update DATE,

sta\_step1 BOOLEAN,

sta\_step2 BOOLEAN,

sta\_step3 BOOLEAN,

sta\_step4 BOOLEAN,

sta\_fiv\_id INT,

FOREIGN KEY (sta\_aff\_id) REFERENCES tbl\_Practice\_Allied\_Affiliation(aff\_id),

FOREIGN KEY (sta\_rem\_id) REFERENCES tbl\_Remote\_Status(rem\_id),

FOREIGN KEY (sta\_fiv\_id) REFERENCES tbl\_stepfive(fiv\_id)

);

-- Alter the default value of the Medical Record Login as false or 0

ALTER TABLE tbl\_Allied\_Remote\_Status MODIFY sta\_emr\_login BOOLEAN DEFAULT 0;

-- INSERT VALUES TO TABLES

INSERT INTO tbl\_Allied\_Type(typ\_name) VALUES('Mental Health Counsellor'),('Registered Dietitian'),('Psychiatrist'),('Pharmacist'),('Mental Health Nurse');

INSERT INTO tbl\_Medical\_Record(emr\_name) VALUES('PSS-ASP'),('PSS-Local'),('Oscar'),('Accuro'),('P&P'),('CHM'),('Avaros');

INSERT INTO tbl\_Remote\_Status(rem\_name) VALUES('Yes'),('In Progress'),('Denied'),('Doesnt need'),('Removed'),('Completed'),('Unknown');

INSERT INTO tbl\_stepfive(fiv\_name) VALUES('Ready'),('Completed'),('Practice-no response'),('IHP-no response');

INSERT INTO tbl\_Employment\_Status(emp\_name) VALUES('Active'),('Inactive'),('Unknown');

INSERT INTO tbl\_ItCompany(itc\_name,itc\_address,itc\_phone,itc\_email,itc\_contact\_name)

VALUES('Outsource IT','5420 Mainway #5, Burlington, ON L7L 6A4','1-800-759-0786','itsupport@oitc.ca','Mike'),

('Alliance Computers','211 King St E, Hamilton, ON L8N 1B6','905-522-8288',' kellyc@alliancecomputers.ca','Kelly Chan'),

('CCXIT','225 King William St, Hamilton, ON L8R 1B1','905-549-4447',' Preston@ccxit.com','Preston'),

('HFHT',NULL,NULL,NULL,'James');

INSERT INTO tbl\_Practice(prc\_name,prc\_emr\_id,prc\_itcompany\_id,prc\_emp\_id,prc\_address,prc\_phone,prc\_email)

VALUES('Core Care',2,4,1,'576 Main St E, Hamilton, ON L8M 1J2','905-528-5292','corecare@gmail.com'),

('Aguanno',2,2,1,'160 Dundurn Street South Hamilton, ON','905-528-5480','aguanno@gmail.com'),

('Kwok and Jones',1,1,1,'15 Mountain Avenue South, Unit 310 Stoney Creek, ON','905-522-9999','kwok@gmail.com'),

('Hutchings',1,3,1,'801 Mohawk Rd W, Suite 205 Hamilton, ON','905-222-5555','hutchings@gmail.com'),

('Kavalsky',1,1,1,'337 Queenston Rd.Hamilton, ON','905-333-6666','kavalsky@gmail.com'),

('Golda',3,2,1,'35 Upper Centennial Pkwy, Suite 2B Stoney Creek, ON','905-412-7777','golda@gmail.com'),

('Allega',5,4,1,'980 Queenston Road, Unit 201 Stoney Creek, ON','905-333-6666','kavalsky@gmail.com'),

('Blew',3,3,1,'200 James Street South, Suite 306 Hamilton, ON','905-892-1782','blew@gmail.com'),

('Creatchman',7,1,1,'1 Young Street, Suite 605 Hamilton, ON','905-658-9999','creatchman@gmail.com'),

('Di Paolo',6,4,1,'755 Concession Street, Unit 200 Hamilton, ON','905-958-4397','dipaolo@gmail.com');

INSERT INTO tbl\_Practice\_Connection\_Details(det\_prc\_id,det\_server,det\_string,det\_gateway,det\_port,det\_program)

VALUES(1,'10.76.2.130',NULL,'10.50.20.30','443','Forticlient'),

(2,'10.35.2.31',NULL,'24.145.188.212','9443','Forticlient'),

(3,'10.21.5.59','29999on.pssuite.telushealth.com','remoteon.pssuite.telushealth.com','443','Forticlient'),

(4,'10.21.1.188','54699on.pssuite.telushealth.com','remoteon1.pssuite.telushealth.com','443','Forticlient'),

(5,'10.21.3.23','23899on.pssuite.telushealth.com','remoteon2.pssuite.telushealth.com','443','Forticlient'),

(6,NULL,'golda.kai-oscar.com/oscar/',NULL,NULL,'Web browser'),

(7,NULL,'logmein.com',NULL,NULL,'LogmeIn'),

(8,NULL,'blew.kai-oscar.com/oscar/',NULL,NULL,'Web browser'),

(9,NULL,'avaros.ca',NULL,NULL,'Web browser'),

(10,NULL,'teluschm.ca',NULL,NULL,'Citrix-browser');

INSERT INTO tbl\_Allied\_Professional(all\_first\_name,all\_last\_name,all\_type\_id,all\_emp\_id,all\_phone,all\_email)

VALUES('Sheryl','Werstuck',1,1,'289-555-6666','sheryl@gmail.com'),

('Saome','Abarca',1,1,'289-555-6666','salome@gmail.com'),

('Amy','Burke',1,1,'905-444-2345','amy@gmail.com'),

('Chloe','Bolus',1,1,'905-775-9045','chloe@gmail.com'),

('Sara','Doan',1,2,'289-246-0456','sara@gmail.com'),

('Shirley','Legault',1,2,'905-444-9876','shirley@gmail.com'),

('Paul','Sullivan',2,1,'289-222-7890','paul@gmail.com'),

('Laura','Page',2,1,'289-333-7777','laura@gmail.com'),

('Alicia','Elliott',2,1,'905-111-2222','alicia@gmail.com'),

('Julie','Bankes',2,1,'905-888-2398','julie@gmail.com'),

('Lindsay','Hart',3,1,'519-782-2244','lindsay@gmail.com'),

('Scott','Mallin',3,1,'647-127-7894','scott@gmail.com'),

('Jill','West',4,1,'289-999-3683','jill@gmail.com'),

('Steven','Pollock',5,1,'367-555-5465','steven@gmail.com'),

('Jeff','Sayes',5,1,'519-666-5688','jeff@gmail.com');

INSERT INTO tbl\_Practice\_Allied\_Affiliation(aff\_prc\_id,aff\_all\_id,aff\_start\_date,aff\_end\_date)

VALUES(1,1,'2020-01-20',NULL),

(1,7,'2021-06-18',NULL),

(1,11,'2020-01-20',NULL),

(1,13,'2020-10-12','2022-02-28'),

(1,14,'2021-06-20',NULL),

(2,12,'2018-09-27',NULL),

(2,15,'2018-09-27',NULL),

(3,1,'2021-04-15',NULL),

(3,5,'2021-05-08','2021-12-28'),

(3,10,'2022-03-10',NULL),

(4,3,'2022-01-20',NULL),

(5,7,'2022-01-20',NULL),

(6,5,'2022-01-20',NULL),

(7,11,'2022-01-20',NULL),

(7,14,'2022-01-20',NULL);

INSERT INTO tbl\_Allied\_Remote\_Status(sta\_aff\_id,sta\_rem\_id,sta\_emr\_login,sta\_comments,sta\_last\_update,sta\_step1,sta\_step2,sta\_step3,sta\_step4,sta\_fiv\_id)

VALUES(1,2,1,'on vacations','2022-08-30',1,1,0,0,4),

(2,1,0,NULL,'2022-08-30',1,1,0,0,2),

(3,5,1,'oitc deleted account','2022-10-22',1,1,1,1,2),

(4,1,1,NULL,'2022-11-30',1,1,1,1,2),

(5,1,1,NULL,'2022-08-30',1,1,1,1,2),

(6,1,1,NULL,'2022-11-14',1,1,1,1,2),

(7,1,1,NULL,'2022-09-05',1,1,1,1,2),

(8,1,1,NULL,'2022-09-30',1,1,1,1,2),

(9,5,1,'oitc deleted account','2022-08-30',1,1,1,1,2),

(10,2,0,NULL,'2022-11-10',1,1,1,1,1),

(11,2,1,NULL,'2022-10-30',1,1,1,1,1),

(12,2,0,NULL,'2022-09-20',1,1,1,1,1),

(13,2,1,NULL,'2022-08-18',1,1,1,1,1),

(14,2,0,NULL,'2022-11-26',1,1,0,0,3),

(15,2,1,NULL,'2022-10-03',1,1,0,0,4);

SELECT \* FROM tbl\_Allied\_Type;

SELECT \* FROM tbl\_Medical\_Record;

SELECT \* FROM tbl\_Remote\_Status;

SELECT \* FROM tbl\_stepfive;

SELECT \* FROM tbl\_Employment\_Status;

SELECT \* FROM tbl\_ItCompany;

SELECT \* FROM tbl\_Practice;

SELECT \* FROM tbl\_Practice\_Connection\_Details;

SELECT \* FROM tbl\_Allied\_Professional;

SELECT \* FROM tbl\_Practice\_Allied\_Affiliation;

SELECT \* FROM tbl\_Allied\_Remote\_Status;

-- MODIFY INSERTED DATA

UPDATE tbl\_Remote\_Status SET rem\_name ='Incompleted' WHERE rem\_id = 6;

UPDATE tbl\_Allied\_Professional SET all\_first\_name ='Salome' WHERE all\_id = 2;

DELETE FROM tbl\_Employment\_Status WHERE emp\_id =3;

-- SCRIPTS

-- User #1: As an Allied Professional

-- List of all practices assigned to a specific Allied Professional, including the status and details of their remote access requests

SELECT CONCAT(al.all\_first\_name,' ',al.all\_last\_name) AS 'Allied Fullname', prc.prc\_name AS 'Practice',emr.emr\_name AS 'EMR',rem.rem\_name AS 'Remote Status',sta.sta\_emr\_login AS 'Has a EMR Login?',sta.sta\_comments AS 'Comments',sta.sta\_last\_update AS 'Last Update'

FROM tbl\_Practice AS prc

JOIN tbl\_Medical\_Record AS emr

ON emr.emr\_id = prc.prc\_emr\_id

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON prc.prc\_id = aff.aff\_prc\_id

JOIN tbl\_Allied\_Professional AS al

ON al.all\_id = aff.aff\_all\_id

JOIN tbl\_Allied\_Remote\_Status AS sta

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Remote\_Status AS rem

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = prc.prc\_emp\_id

WHERE al.all\_id = 7 AND al.all\_emp\_id = 1

ORDER by emr.emr\_name;

-- If the status shows as In prgress in the prior query, show the details of the process

SELECT CONCAT(al.all\_first\_name,' ',al.all\_last\_name) AS 'Allied Fullname', prc.prc\_name AS 'Practice',emr.emr\_name AS 'EMR',sta.sta\_step1 AS 'Step1',sta.sta\_step2 AS 'Step2',sta.sta\_step3 AS 'Step3',sta.sta\_step4 AS 'Step4',fiv.fiv\_name AS 'Step5'

FROM tbl\_Practice AS prc

JOIN tbl\_Medical\_Record AS emr

ON emr.emr\_id = prc.prc\_emr\_id

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON prc.prc\_id = aff.aff\_prc\_id

JOIN tbl\_Allied\_Professional AS al

ON al.all\_id = aff.aff\_all\_id

JOIN tbl\_Allied\_Remote\_Status AS sta

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Remote\_Status AS rem

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = prc.prc\_emp\_id

JOIN tbl\_stepfive AS fiv

ON fiv.fiv\_id = sta.sta\_fiv\_id

WHERE al.all\_first\_name LIKE '%aul' AND al.all\_emp\_id = 1 AND rem.rem\_name = 'In Progress'

ORDER by emr.emr\_name;

-- User #2: As a Program Coordinator

-- List of all Allied Professionals and the status of the remote connection to their practices's medical records by Program

SELECT typ.typ\_name AS 'Allied Type', CONCAT(al.all\_first\_name,' ',al.all\_last\_name) AS 'Allied Fullname',prc\_name AS 'Practice',rem.rem\_name AS 'Remote Status',sta.sta\_emr\_login AS 'Has a EMR Login?'

FROM tbl\_Practice AS prc

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON prc.prc\_id = aff.aff\_prc\_id

JOIN tbl\_Allied\_Professional AS al

ON al.all\_id = aff.aff\_all\_id

JOIN tbl\_Allied\_Remote\_Status AS sta

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Allied\_Type AS typ

ON typ.typ\_id = al.all\_type\_id

JOIN tbl\_Remote\_Status AS rem

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = prc.prc\_emp\_id

WHERE al.all\_emp\_id = 1

ORDER by typ.typ\_name, al.all\_last\_name;

-- Same list as before and filtered by specific Program(s)

SELECT typ.typ\_name AS 'Allied Type', CONCAT(al.all\_first\_name,' ',al.all\_last\_name) AS 'Allied Fullname',prc\_name AS 'Practice',rem.rem\_name AS 'Remote Status',sta.sta\_emr\_login AS 'Has a EMR Login?'

FROM tbl\_Practice AS prc

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON prc.prc\_id = aff.aff\_prc\_id

JOIN tbl\_Allied\_Professional AS al

ON al.all\_id = aff.aff\_all\_id

JOIN tbl\_Allied\_Remote\_Status AS sta

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Allied\_Type AS typ

ON typ.typ\_id = al.all\_type\_id

JOIN tbl\_Remote\_Status AS rem

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = prc.prc\_emp\_id

WHERE typ.typ\_id IN (1,2) AND al.all\_emp\_id = 1

ORDER by typ.typ\_name, al.all\_last\_name;

-- Show total number of active remote accesses by Allied Professional program

SELECT typ.typ\_name AS 'Allied Type',COUNT(rem.rem\_name) AS 'Total Active Remote Access'

FROM tbl\_Allied\_Type AS typ

JOIN tbl\_Allied\_Professional AS al

ON typ.typ\_id = al.all\_type\_id

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON al.all\_id = aff.aff\_all\_id

JOIN tbl\_Allied\_Remote\_Status AS sta

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Remote\_Status AS rem

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = al.all\_emp\_id

WHERE al.all\_emp\_id = 1 AND rem.rem\_name = 'Yes'

GROUP BY typ.typ\_name;

-- User #3: As an Admin

-- Show list of all remote access requests and detailed information of the progress

SELECT CONCAT(al.all\_first\_name,' ',al.all\_last\_name) AS 'Allied Fullname',typ.typ\_name AS 'Allied Type',prc\_name AS 'Practice',emr.emr\_name AS 'EMR',rem.rem\_name AS 'Remote Status',sta.sta\_emr\_login AS 'Has a EMR Login?',sta.sta\_step1 AS 'Step1',sta.sta\_step2 AS 'Step2',sta.sta\_step3 AS 'Step3',sta.sta\_step4 AS 'Step4',fiv.fiv\_name AS 'Step5',sta.sta\_comments AS 'Comments',sta.sta\_last\_update AS 'Last Update'

FROM tbl\_Practice AS prc

JOIN tbl\_Medical\_Record AS emr

ON emr.emr\_id = prc.prc\_emr\_id

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON prc.prc\_id = aff.aff\_prc\_id

JOIN tbl\_Allied\_Professional AS al

ON al.all\_id = aff.aff\_all\_id

JOIN tbl\_Allied\_Remote\_Status AS sta

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Allied\_Type AS typ

ON typ.typ\_id = al.all\_type\_id

JOIN tbl\_Remote\_Status AS rem

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = al.all\_emp\_id

JOIN tbl\_stepfive AS fiv

ON fiv.fiv\_id = sta.sta\_fiv\_id

WHERE al.all\_emp\_id = 1

ORDER by sta.sta\_last\_update DESC,emr.emr\_name;

-- Show total number of active remote accesses by Medical Record type

SELECT emr.emr\_name AS 'EMR',COUNT(rem.rem\_name) AS 'Total Active Remote Access'

FROM tbl\_Remote\_Status AS rem

JOIN tbl\_Allied\_Remote\_Status AS sta

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Practice AS prc

ON prc.prc\_id = aff.aff\_prc\_id

JOIN tbl\_Medical\_Record AS emr

ON emr.emr\_id = prc.prc\_emr\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = prc.prc\_emp\_id

WHERE prc.prc\_emp\_id = 1 AND rem.rem\_name = 'Yes'

GROUP BY emr.emr\_name;

-- Show how many remote access requests are by status for each allied type or specialization

SELECT typ.typ\_name AS 'Allied Type', rem.rem\_name AS 'Remote Status', COUNT(sta.sta\_rem\_id) AS 'Total'

FROM tbl\_Remote\_Status AS rem

JOIN tbl\_Allied\_Remote\_Status AS sta

ON rem.rem\_id = sta.sta\_rem\_id

JOIN tbl\_Practice\_Allied\_Affiliation AS aff

ON aff.aff\_id = sta.sta\_aff\_id

JOIN tbl\_Allied\_Professional AS al

ON al.all\_id = aff.aff\_all\_id

JOIN tbl\_Allied\_Type AS typ

ON typ.typ\_id = al.all\_type\_id

GROUP BY rem.rem\_name, typ.typ\_name

ORDER BY typ.typ\_name;

-- Show contact information about the IT Companies of each Practice

SELECT prc\_name AS 'Practice',emr.emr\_name AS 'EMR', itc.itc\_name AS 'IT Name', itc.itc\_email AS 'IT Email', itc.itc\_phone AS 'IT Phone', itc.itc\_contact\_name AS 'Contact Name'

FROM tbl\_Practice AS prc

JOIN tbl\_Medical\_Record AS emr

ON emr.emr\_id = prc.prc\_emr\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = prc.prc\_emp\_id

JOIN tbl\_ItCompany AS itc

ON itc.itc\_id = prc.prc\_itcompany\_id

WHERE prc.prc\_emp\_id =1

ORDER BY prc.prc\_name;

-- Show list of all practices and remote onnections details of each of one

SELECT prc\_name AS 'Practice',emr.emr\_name AS 'EMR', det.det\_string AS 'DNS String/ URL', det.det\_server AS 'Server Address', det.det\_gateway AS 'Gateway', det.det\_port AS 'Port Number', det.det\_program AS 'Program', itc.itc\_name AS 'IT Company'

FROM tbl\_Practice AS prc

JOIN tbl\_Medical\_Record AS emr

ON emr.emr\_id = prc.prc\_emr\_id

JOIN tbl\_Employment\_Status AS emp

ON emp.emp\_id = prc.prc\_emp\_id

JOIN tbl\_ItCompany AS itc

ON itc.itc\_id = prc.prc\_itcompany\_id

JOIN tbl\_Practice\_Connection\_Details AS det

ON prc.prc\_id = det.det\_prc\_id

WHERE prc.prc\_emp\_id =1

ORDER BY prc.prc\_name;