**To: Dr. Jonathan Abramson  
From: Richard Stadnick  
Date: 16-10-2020  
Subject: CMIT 310 Week7 Final Project**

How the schedule system works is the user would use the pVolunteerScheduleInsert procedure to insert a VolunteerPersonID along with a month, week, and dayofweek parameters. The procedure then checks if the month and person exists,if not it creates it,if it does exist then it grabs the monthID and inserts the week, if the week and month id don’t exist it creates it, if it does exist it grabs the weekID and continues to the dayofweek and does the same.

Same thing with pVolunteerScheduleUpdate procedure, checks if month exists if not raises error, if does exist then updates it.

The schedule deletes simply delete, and the tables now have “on delete cascade” constraints.

Also this week I have altered the Volunteer.VolunteerContactInformation table and renamed the field ‘OrganizationID’ to ‘DepartmentID’ and changed it from an FK to the organization table to the Volunteer.VolunteerDepartment table.

I also edited the stored procedures for ‘pInsertVolunteerContactInformation’ and ‘pVolunteerInsert’ to reflect the changed name above. I will need to check the update and delete sp’s if they already existed.

Instead of adding validation to the schedule insert procedures to not allow someone to insert a Month outside of 1-12 and Week outside of 1-5 and Day for the DayOfWeek between 1-7, I added check constraints to the tables themselves.

I copied all of the scripts I could find that I created and put them into a directory called ‘my\_scripts’.

Created update procedures for:

-updateVolContactInfo

-updateVolEmergencyContactInfo

-updateVolSchedMonth

-updateVolSchedWeek

-updateVolSchedDayTime

-volunteerSchedUpdate

Created delete procedures for:

-deleteVolContactInfo

-deleteVolEmergencyContactInfo

-deleteVolSchedMonth

-deleteVolSchedWeek

-deleteVolSchedDayTime

Created on delete cascade constraints on:

-emergency contact

-volunteer schedule month

-volunteer schedule week

-volunteer schedule day time

All the testing I performed was basic usage tests and checking that I received the correct error when testing check constraints. I have included all of the test scripts and screen shots, I’m pretty sure I have them all. I was editing test scripts and then saving them as their test name because the tests were similar, but this has been a hectic stressful time for me and I’m not 100% positive that I remembered to save all scripts.

I am just going to include the spreadsheet of activities in the ZIP archive instead of pasting it here. I have also included a directory named “my\_scripts” with all of my sql scripts, a directory named “screen\_shots” with all or most of the screen shots, as well as the final DB backup.