



# SPECIAL INSTRUCTIONS

For Team Floriders SMART ON FHIR Survey Web App

## Abstract

The following documents is designed for the CDC, this guide would help you deploy the web app in your own server. GA TECH Instructors please review the “Manual” on how to run the web app since the web app is being hosted by a Team Florider AWS controlled web server.

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# How to Deploy Web App

## Requirements

One Linux Server:

- Duo Core Processor
- 4 GB of RAM
- 250 GB Hard Drive

Software:

Docker 1.1 or above

GIT 2.1 or above

Postgresql 9.5 or above

Network:

Port 8080, 5432 must be open on the server

## How to Deploy Web App using Docker

1. Open a terminal
2. Run the following command to clone the git public repo  
git clone <https://github.com/eloporras/CDC-Population-Health-Informatics-Framework.git>
3. Navigate to the following folder  
cd CDC-Population-Health-Informatics-Framework\Final Project\Final Application\Application
4. Run the following command within this folder (including the ".")  
docker build -t CDC\_Survey\_App .
5. Run the following command to run the Docker Container  
docker run -t -i -p 8080:8080 CDC\_Survey\_App /bin/bash
6. Within the shell prompt of the docker container run the following command  
service tomcat8 start
7. The app should be running within the following URL  
<http://{your-host-name}:8080/fhir-app/>

# How to add Questions and Response to PostgreSQL database

## Background

There are five tables in our database: question, question answer, subquestion, section and survey.

The “**survey**” table contains three surveys and the “**section**” table contains three sections for our application.

The “**question**” and “**subquestion**” tables list all the questions for the survey and the “**question\_answer**” table contains all the answers for these questions

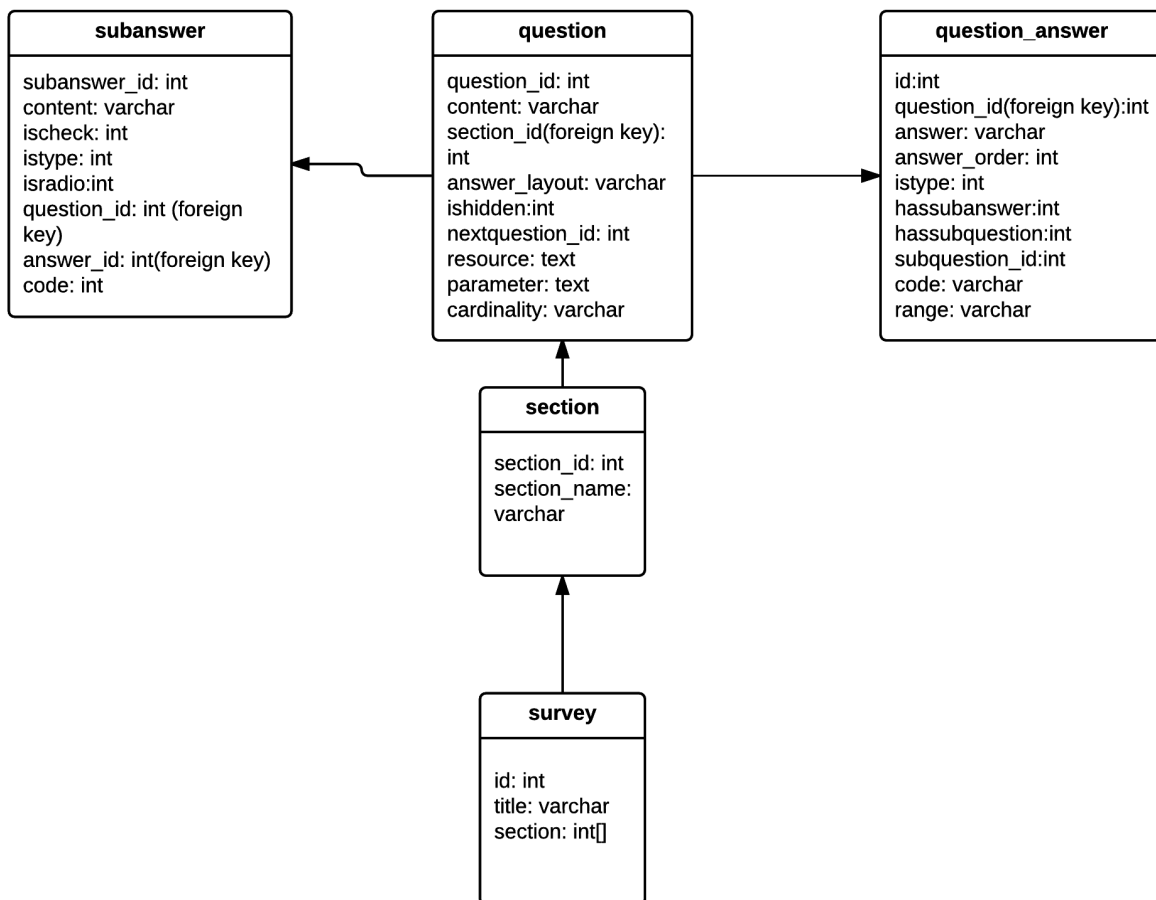


Fig Database schema

## How to use the Database SQL files

1. From the pgAdmin initial screen, create a new database called Survey by right clicking on the word Database, then selecting **\*\*Create\*\***.



- Run the scripts which is located at (**\\CDC-Population-Health-Informatics-Framework\\Final Project\\Final Application\\Application\\Database**). It will load all the required questions in your survey database.

