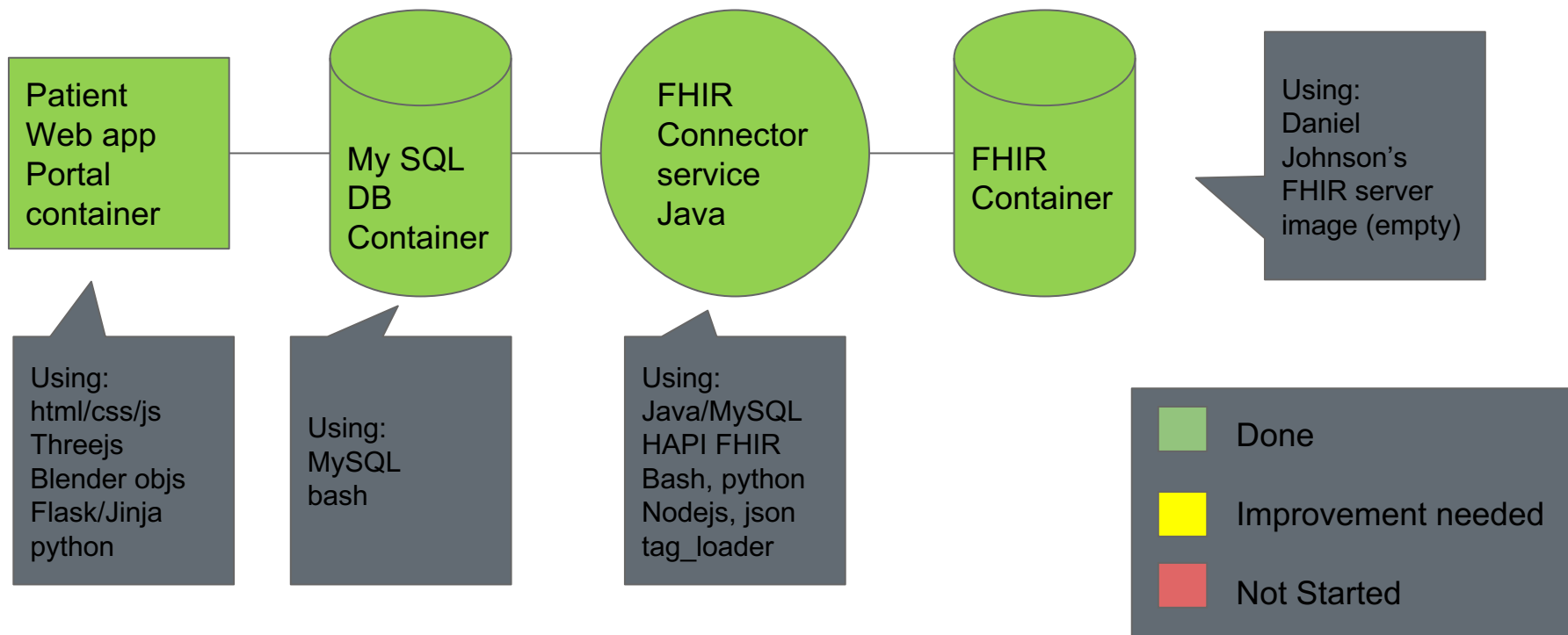


Architecture



Patients

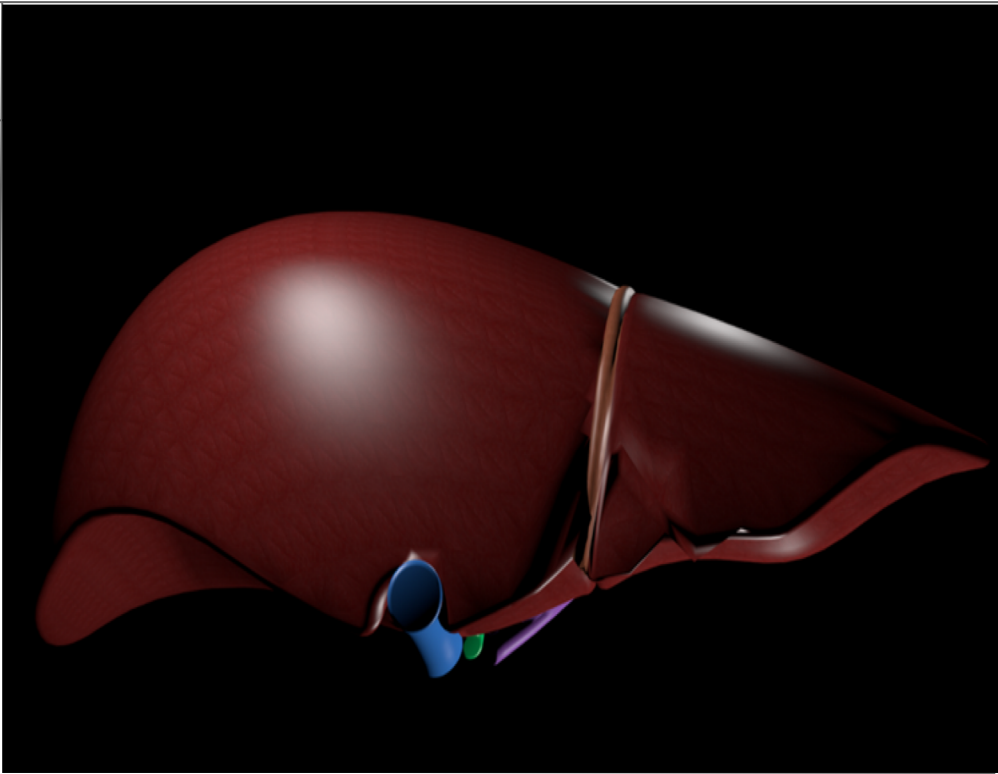
Patient 1

Patient 2

Patient 3

Patient 4

Patient 5



●
Normal

Advanced Stage
of Disease

Condition
Fatty Liver Disease

Description

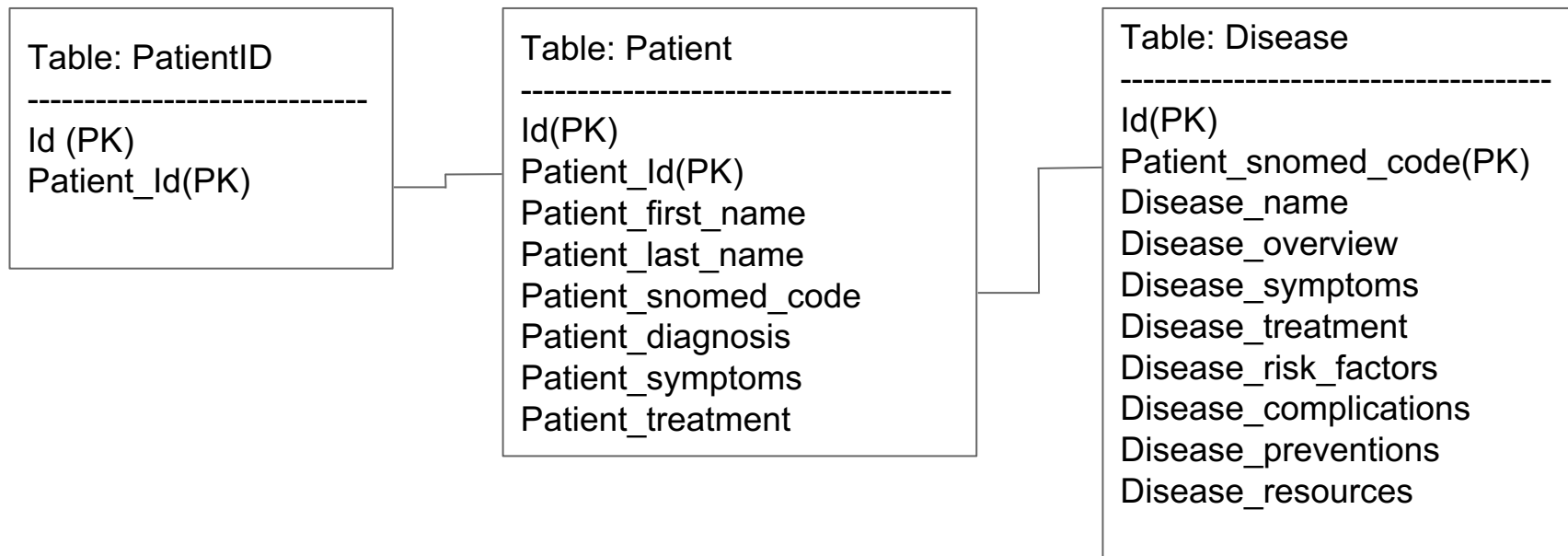
Fatty liver is a reversible condition wherein large vacuoles of triglyceride fat accumulate in liver cells via the process of steatosis. Despite having multiple causes, fatty liver can be considered a single disease that occurs worldwide in those with excessive alcohol intake and the obese.

Causes

Symptoms

Treatments

Database Schema



Architecture

Overview

- On FHIR server startup, the server will be loaded with patients and condition information.
- On DB startup, the educational content and patient list will be loaded into the DB.
- On FHIR connector app startup, the app gets the patient list from the DB and uses it to get patients from the FHIR server. Then the connector app loads the patient data into the db.
- The web app interacts with the database only. It retrieves patient data and educational materials.

Languages: Python, Java, HTML/CSS/Javascript

Web App:

- Languages
 - Python, HTML/CSS/Javascript.
- Tools
 - Flask/Jinja - web page templating framework
 - 3d Modeling - Three.js, blender

Database: MySQL

FHIR Connector service

- Java on Ubuntu
- HAPI APIs

FHIR Server: Instantiate Daniel's image and pre-populate it.