Project Catalog - EMS Patient Data

Team Name: FHIR I/O

Project Name: EMS Patient Data

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GitHub link: https://github.gatech.edu/gt-hit-fall2017/EMS-Patient-Data

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²1.0 - Final Delivery

This is the top-level directory that contains all our documentation for Deliverables 4/5.

³1.1 - Research/Project_research.pdf

This file represents all the research that was done in preparation for the development of the application.

³1.2 - media

This directory contains all the images used in our documentation.

³1.3 - Manual - FHIR IO.pdf

This is the PDF version of our manual, which contains instructions on how to make use of all the features our application was built to support.

³1.4 - Manual - FHIR IO.md

This is the markdown version of our manual, which contains instructions on how to make use of all the features our application was built to support.

²1.5 - Final Gantt Chart - FHIR IO.pdf

This is the final Gantt chart, which includes details about how the work was completed througout the semester and which team members presented in each deliverable.

³ 1.6 - Special Instructions - FHIR IO.md

This document describes how a user could run our application using docker-compose in markdown format.

³1.7 - Special Instructions - FHIR IO.pdf

This document describes how a user could run our application using docker-compose in pdf format.

³1.8 - catalog.md

This document describes the contents of the entire repository on a file-by-file basis in markdown format.

³1.9 - catalog.pdf

This document describes the contents of the entire repository on a file-by-file basis in pdf format.

²1.10 - Final Presentation.pdf

This is a pdf version of our PowerPoint deck as seen in deliverable 4.

²2.0 - fhir-ems-service

This is the top-level directory that holds all the source code, dependency management, git files.

³ 2.1 - src

This directory holds all of the source code including Java backend service code, front-end code, and unit tests.

³ 2.1.1 - main

This directory contains the Java backend service code and front-end code (html/js/css).

²2.1.1.1 - java/com/fhirio/fhiremsservice

This directory contains the Java backend service code.

³ 2.1.1.1.1 - controller

This directory holds all the REST controllers that expose our services.

²2.1.1.1.1 - AuthenticationController.java

This is a REST controller used to expose our AuthenticationService in a RESTful fashion.

²2.1.1.1.2 - EmergencyController.java

This is a REST controller used to expose our EmergencyService in a RESTful fashion.

²2.1.1.1.3 - FhirController.java

This is a REST controller used to expose our FhirClient in a RESTful fashion.

²2.1.1.1.4 - OrganizationController.java

This is a REST controller used to expose our OrganizationService in a RESTful fashion.

²2.1.1.1.5 - PatientController.java

This is a REST controller used to expose our PatientService in a RESTful fashion.

²2.1.1.1.1.6 - UserController.java

This is a REST controller used to expose our UserService in a RESTful fashion.

² 2.1.1.1.2 - domain

This directory holds all the POJOs used by our application to transfer data across the network and within our application.

² 2.1.1.1.2.1 - Address.java

This is a POJO that holds onto a Patient's address information including street address, city, state, and zip code.

²2.1.1.1.2.2 - Authentication.java

This is a POJO that holds a User's credentials and is used primarily by the AuthenticationService to verify a user's authenticity.

³ 2.1.1.1.2.3 - Condition.java

This is a POJO that holds a patient's chronic illness information, includes clinical status, verification status, name, system, code, onset date, ect.

²2.1.1.1.2.4 - Conditions.java

This is a POJO that holds a list of patient conditions.

²2.1.1.1.2.5 - Emergency.java

This is a POJO that holds all the pertinent information to a specific emergency that may be pending, active or closed.

²2.1.1.1.2.6 - EmergencyState.java

This is a POJO that holds possible status of an emergency, including pending, closed and active.

³ 2.1.1.1.2.7 - Measurement.java

This is a POJO that holds measurement of a patient including measurement Uuid, name, system, value code, description, value.

² 2.1.1.1.2.8 - Medication.java

This is a POJO that holds the medication information related to a patient involved in an emergency.

²2.1.1.1.2.9 - Medications.java

This is a POJO that holds a list of patient medications.

² 2.1.1.1.2.11 - Organization.java

This is a POJO that binds together users of the EMS service and Emergencies.

² 2.1.1.1.2.12 - Patient.java

This is a POJO that hold all the health information related to a patient involved in an emergency, including patient profile, address, and patient notes.

² 2.1.1.1.2.13 - Token.java

This is a POJO that system uses to assign token for patient and organization.

³ 2.1.1.1.2.14 - User.java

This is a POJO that holds specific user of the application that may be emergency personnel or call center personnel.

³ 2.1.1.1.3 - service

This directory contains the Java backend service code.

² 2.1.1.3.1 - AuthenticationService.java

This is a POJO that holds users's anthemtication, and is used to verify the user by username and password.

²2.1.1.1.3.2 - EmergencyService.java

This is a POJO that initializes the emergency service, gets an emergency by Uuid, saves an emergency pbject to memory, assigns a Uuid to it, and identify patient.

²2.1.1.3.3 - OrganizationService.java

This is a POJO that constructs an organization service, gets an organization by its Uuid, saves/updates/creates an organization, adds organization user, and add emergency to the organization.

²2.1.1.1.3.4 - PatientService.java

This is a POJO that get patient by Uuid, name, and get/update information of patients, including patient's condition, medication, patient notes.

²2.1.1.1.3.5 - UserService.java

This is a POJO that provides sevice related to a user, including create new super user, new organizational user, save user, etc.

²2.1.1.1.3.6 - UuidService.java

This is a POJO that radomly generate Uuid by the system and assign to an object when is required.

²2.1.1.1.4 - FhirClient.java

This is a POJO that provides client service for the application, including getting patient list from the server, getting detailed medical information of a patient from the server.

²2.1.1.1.5 - FhirEmsServiceApplication.java

This is the main class of the application. Run this file will set up the application.

³ 2.1.1.2 - resources

This directory contains the front-end code (html/js/css) and application.properties file, which is used to configure aspects of the Java application.

²2.1.1.2.1 - application.properties

This is properties file for the application.

³ 2.1.1.2.2 - static

This directory contains all the html/js/css code.

³ 2.1.1.2.2.1 - css

This directory contains the css file for the web pages.

³ 2.1.1.2.2.1.1 - login.css

This is the css format file for log in page.

³ 2.1.1.2.2.2 - js

This directory contains all javascript files for the HTML web pages.

²2.1.1.2.2.2.1 - NewOrganizationalUser.js

This is the javascript file for creating a new organizational user by a super user. New user's infro will be post to the backend database.

²2.1.1.2.2.2.2 - dashboard.js

This is the javascript file for the emergency dashboard. Emergencies with different status(pending/active/closed) will ge get from the backend.

²2.1.1.2.2.2.3 - emergency.js

This is the javascript file to get details of an emergency from the backend.

³ 2.1.1.2.2.2.4 - login.js

This is the javascript file to authenticate user to login.

²2.1.1.2.2.2.5 - newemergency.js

This is the javascript file for creating a new emergency, and post it to the backend.

²2.1.1.2.2.2.6 - newuser.js

This is the javascript file for creating a new super user.

²2.1.1.2.2.2.7 - patientdetails.js

This is the javascript file for collecting and showing detailed information of a patient, including profile, medications, etc.

²2.1.1.2.2.3 - dashboard.html

This is the webpage for viewing emergencies in a organization. The details of each emergency can be shown, and the status of an emergency can be updated by user.

²2.1.1.2.2.4 - emergency.html

This is the webpage contains details of an emergency and possible patients invlolved in the emergency.

³ 2.1.1.2.2.5 - index.html

This is the webpage for user to log in, or new user to register.

²2.1.1.2.2.6 - newOrganizationalUser.html

This is the webpage for super user to enroll an new organization user. Username and password are required to be filled in.

²2.1.1.2.2.7 - newemergency.html

This is the webpage for user to fill information of a new emergency. Such as patient name and picking up location.

³ 2.1.1.2.2.8 - newuser.html

This is the webpage for user to fill information to register. Such as user's name, password, organization name.

²2.1.1.2.2.9 - patientdetails.html

This is the webpage showing detailed information of the patient. User can also add patient's note from this page.

²2.1.2 - test/java/com/fhirio/fhiremsservice

This directory contains all the testing files for the application.

²2.1.2.1 - FhirEmsServiceApplicationTests.java

³ 2.1.2.2 - service

This directory contains the testing files for the services.

² 2.1.2.2.1 - AuthenticationServiceTest.java

This is the testing file to test if a user's authentication is valid, including test on username and passowrd.

²2.1.2.2.2 - EmergencyServiceTest.java

This is the testing file to test if a emergency's Uuid is valid, giing a set of emergencies.

²2.1.2.2.3 - OrganizationServiceTest.java

This is the testing file to test if an organization is exitted by checking its Uuid.

²2.1.2.2.4 - PatientServiceTest.java

This is the testing file to test if a patient is available, giving patient's Uuid and name.

²2.1.2.2.5 - PatientUpdateTest.java

This is the testing file to test if patient's name, medications, conditions can be get, and if new patient can be added to te database.

²2.1.2.2.6 - UserServiceTest.java

This is the testing file to test if the user service can get the user by user's Uuid.

³ 2.2 - .gitignore

This is the file for Git to determine which files and directories to ignore.

³ 2.3 - Dockerfile

This is the docker directory that holds required docker file for the application.

³ 2.4 - pom.xml

This is the XML file that contains information about the project and configuration details used by Maven to build the project.

3.0 - docker-compose.yml

This is the docker file that used to build and run docker for the application.