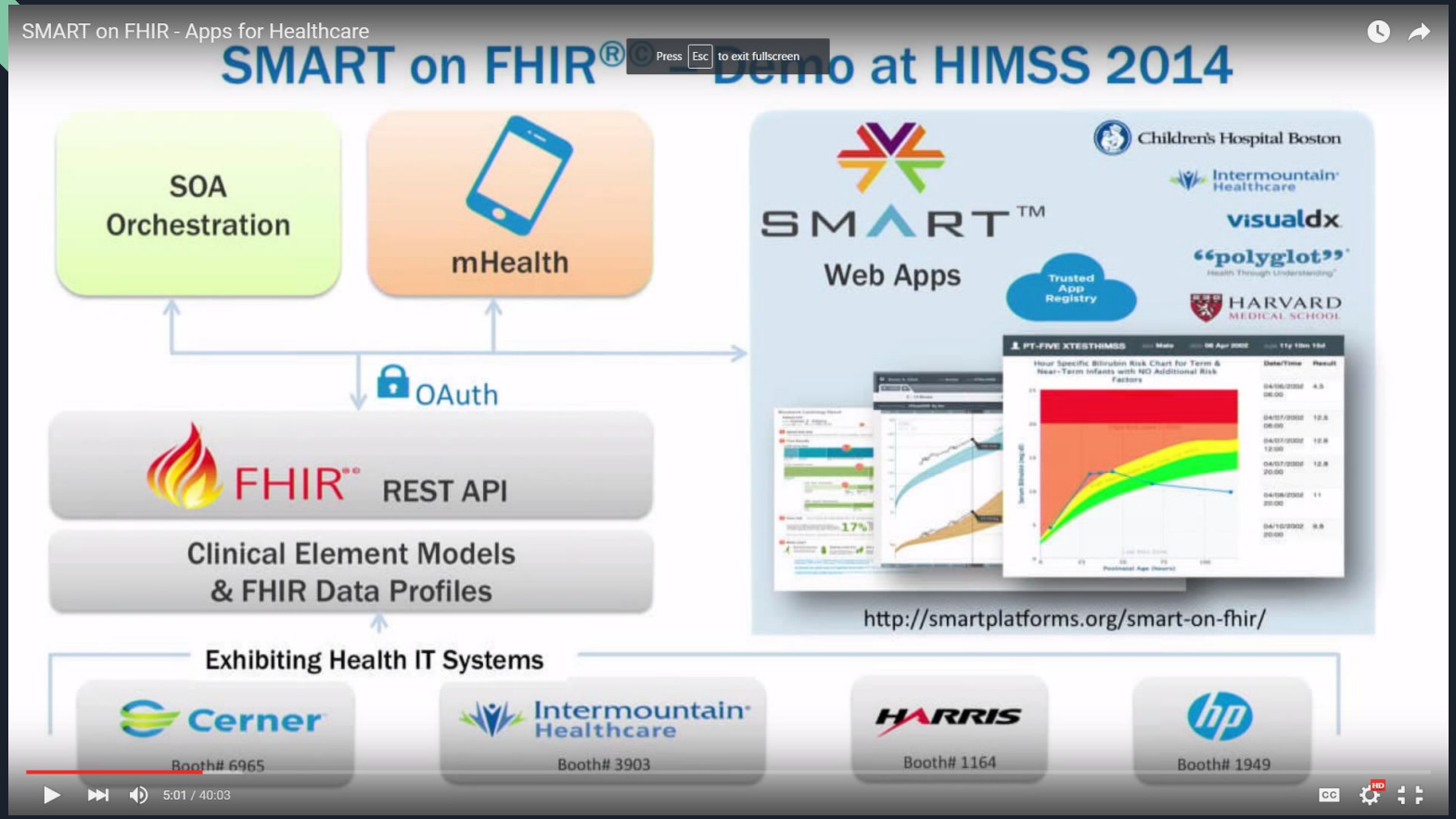
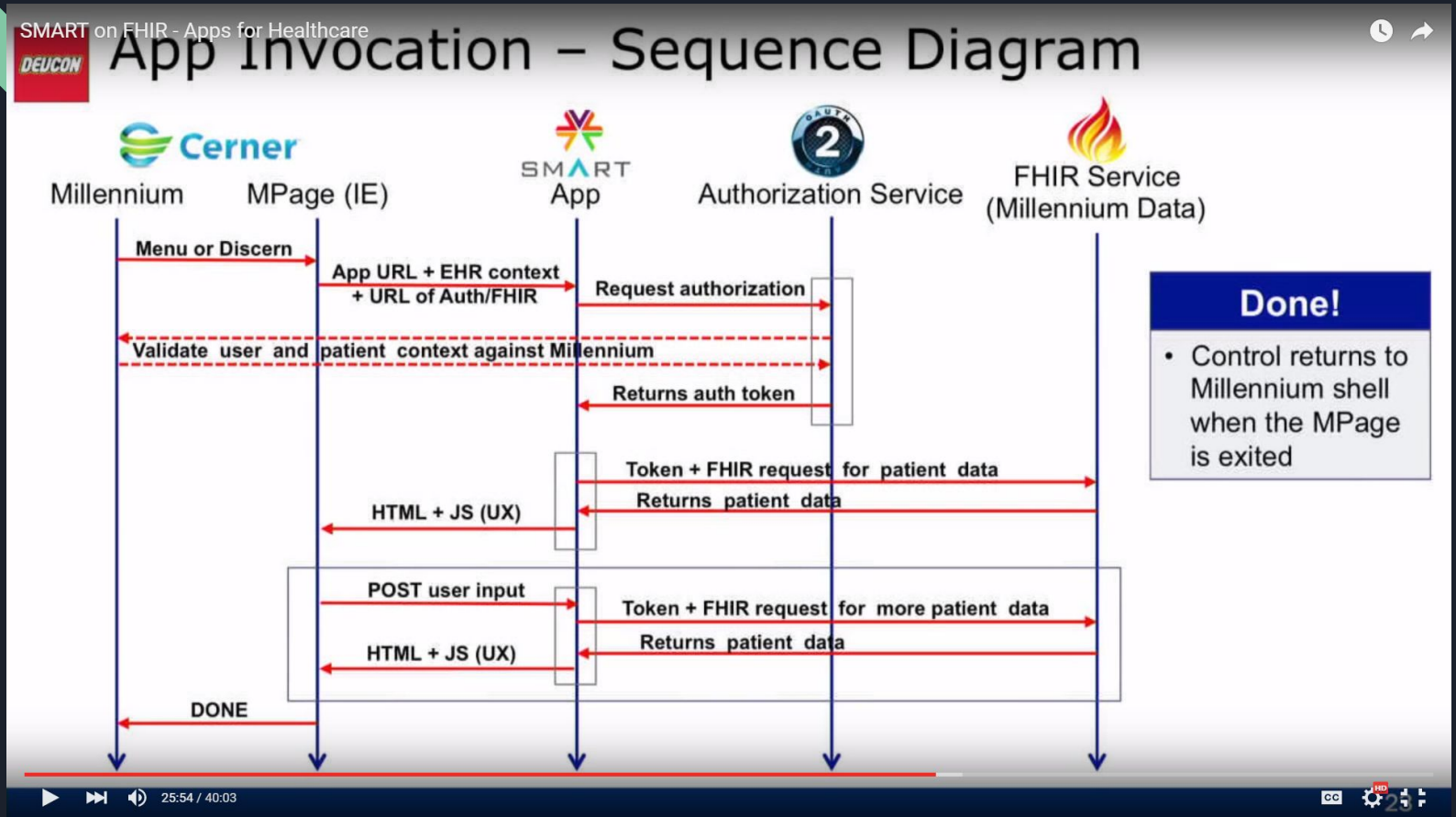
Smart on FHIR With Cerner

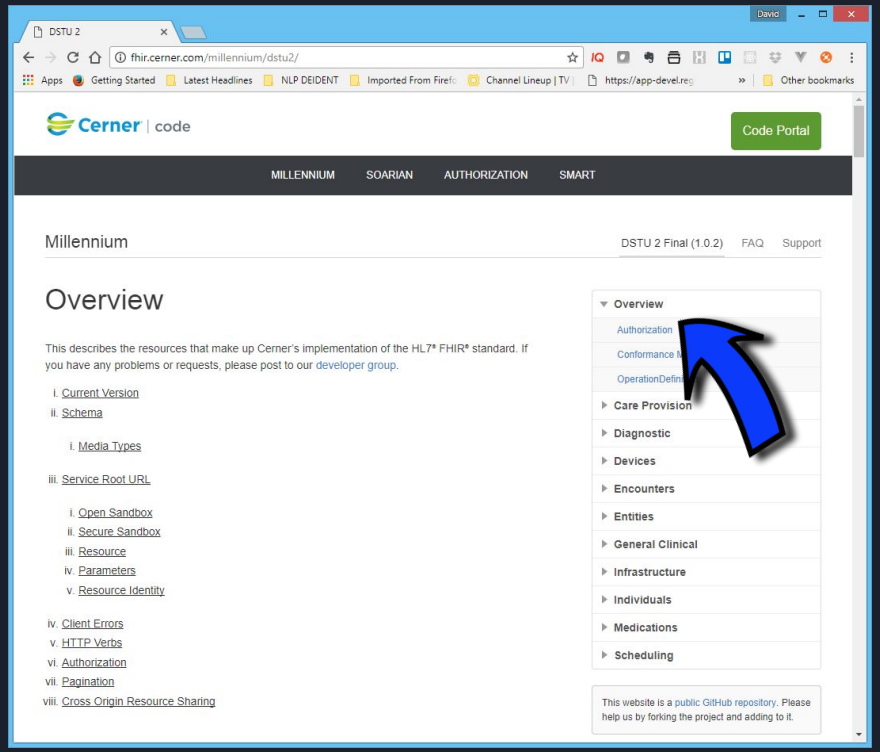
Smart on FHIR Architecture Overview

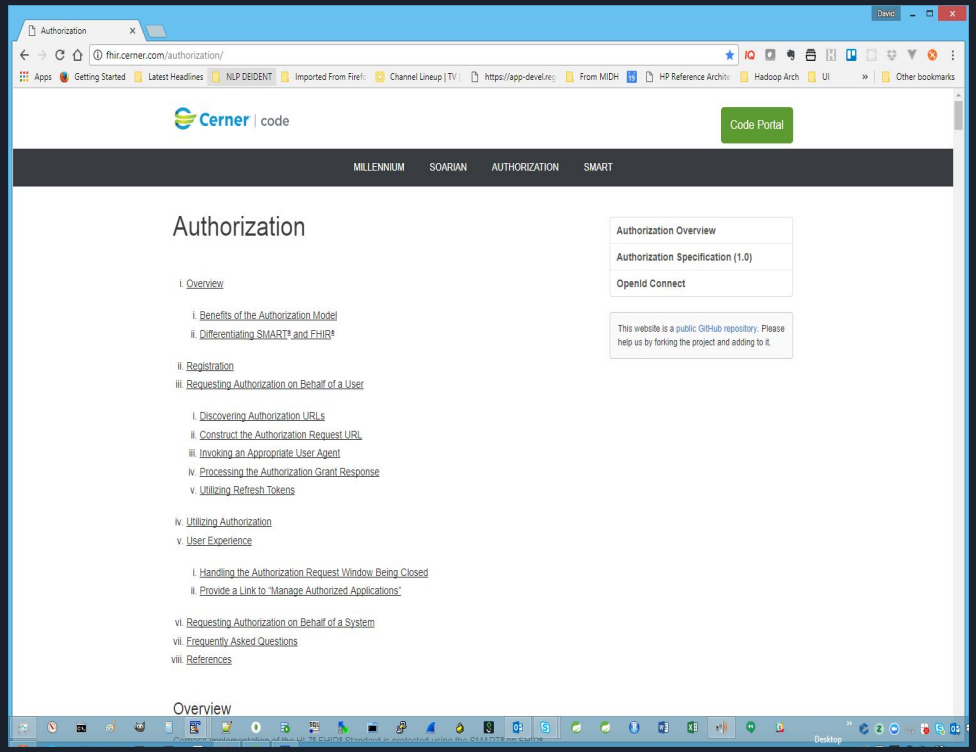


OAuth2 with Smart on FHIR and Cerner



Cerner FHIR Information
http://fhir.cerner.com/millennium/dstu2





Cerner FHIR DSTU2 Supported Resource Types

Care Provision
- CarePlan
- Goal

Diagnostic
- DiagnosticReport
- Observation

Devices
- Device

Encounters
- Encounter

Entities
- Contract
- Person

General Clinical
- AllergyIntolerance
- Condition
- Procedure

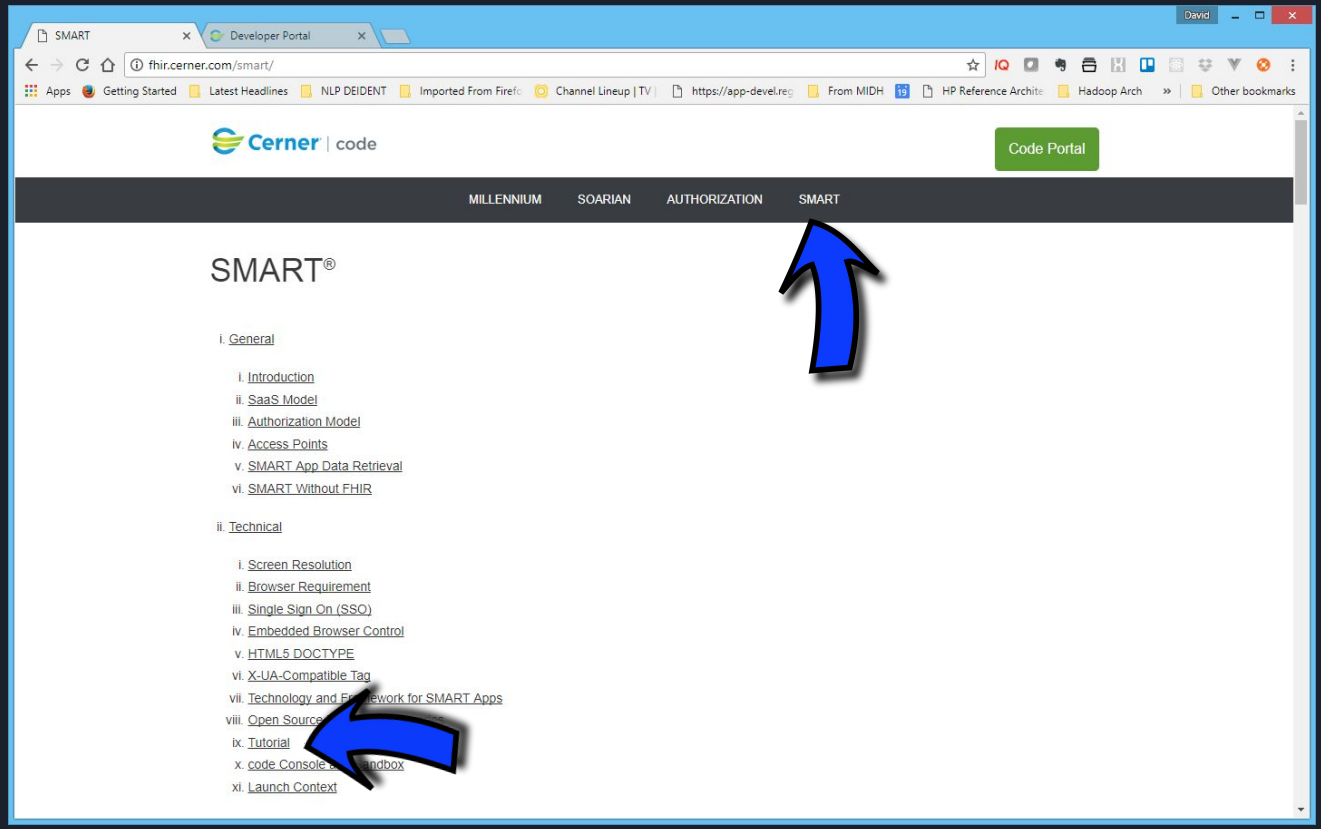
Infrastructure
- Binary
- DocumentReference

Individuals
- Patient
- Practitioner
- RelatedPerson

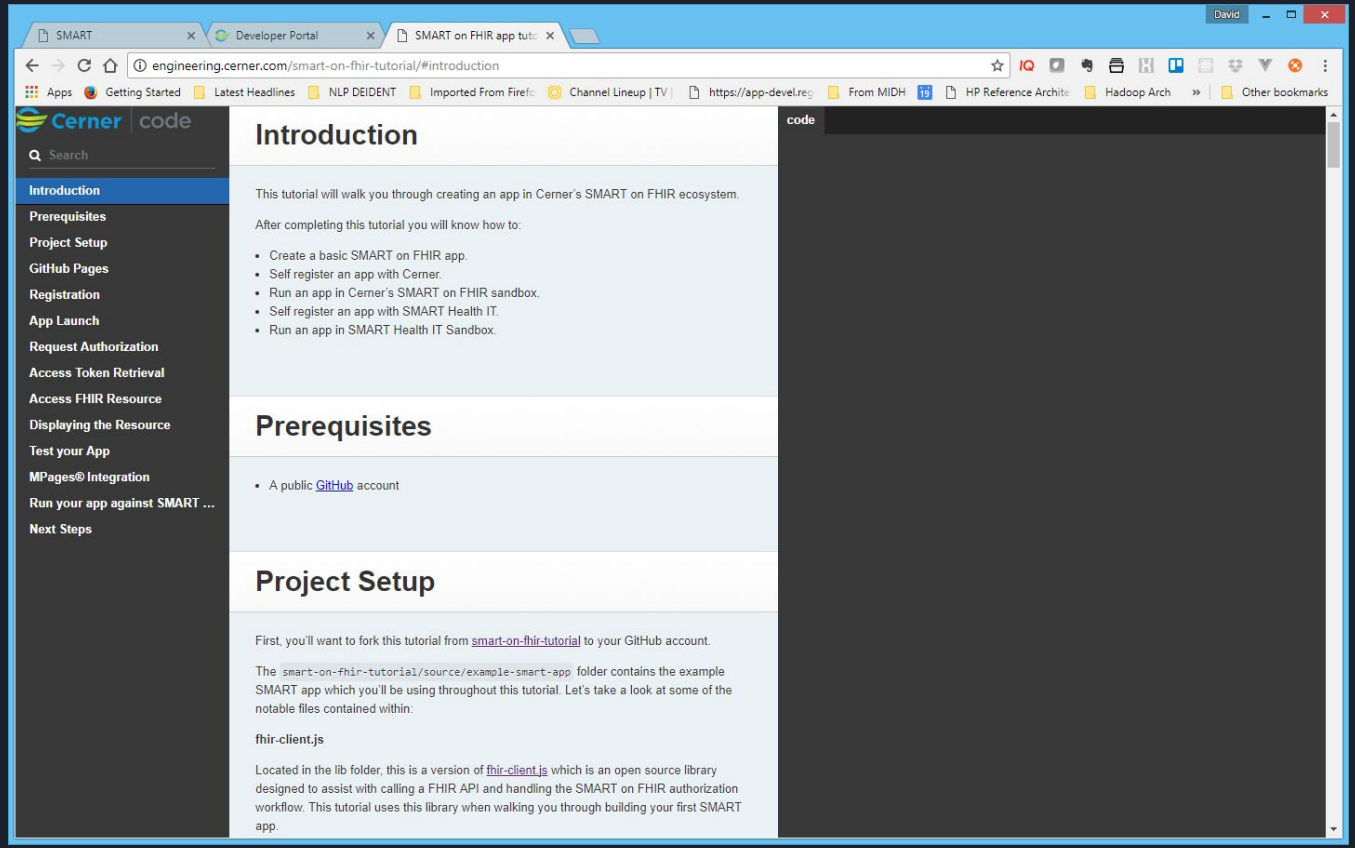
Medications
- Immunization
- MedicationOrder
- MedicationStatement

Scheduling
- Appointment
- Schedule
- Slot

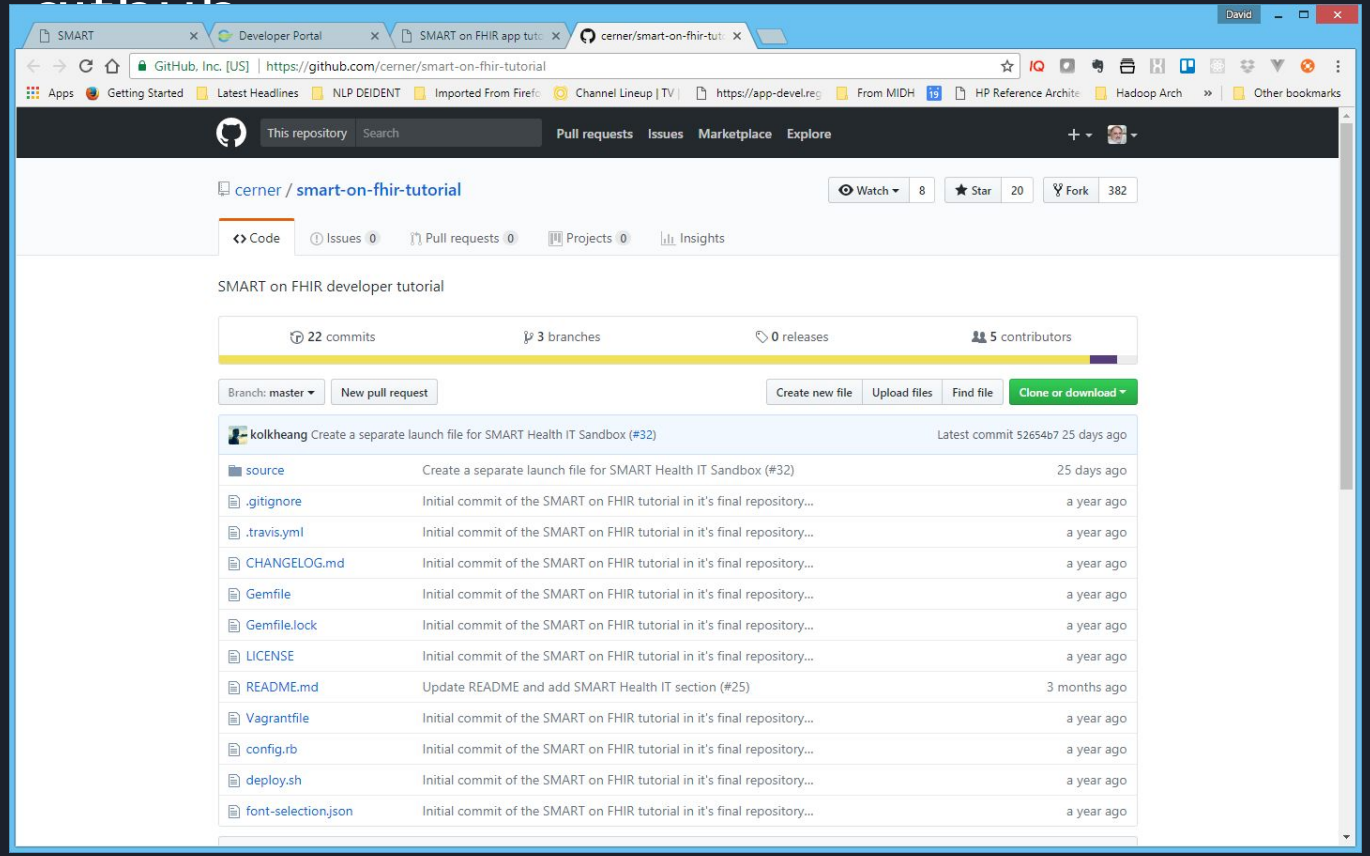
Cerner Smart Information



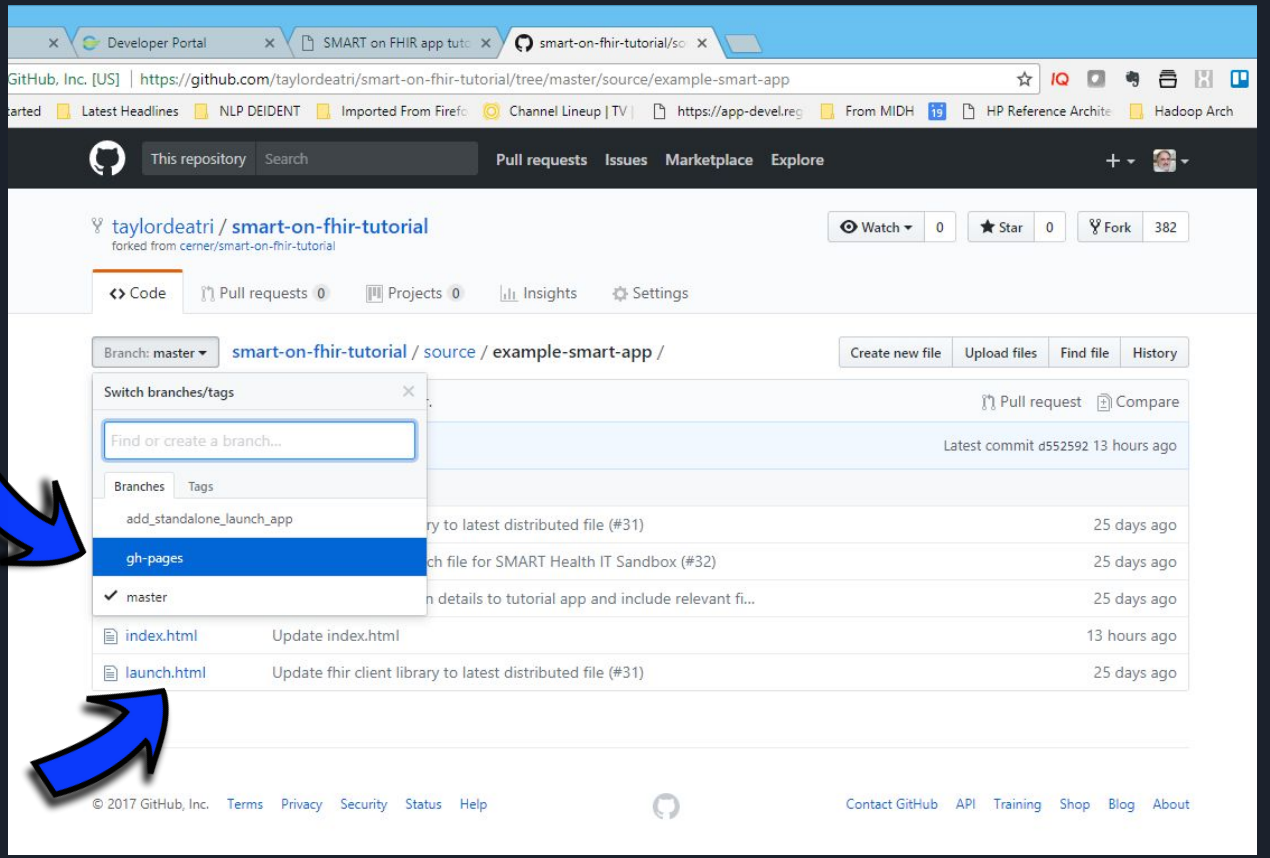
Cerner Step by Step Smart on FHIR Tutorial



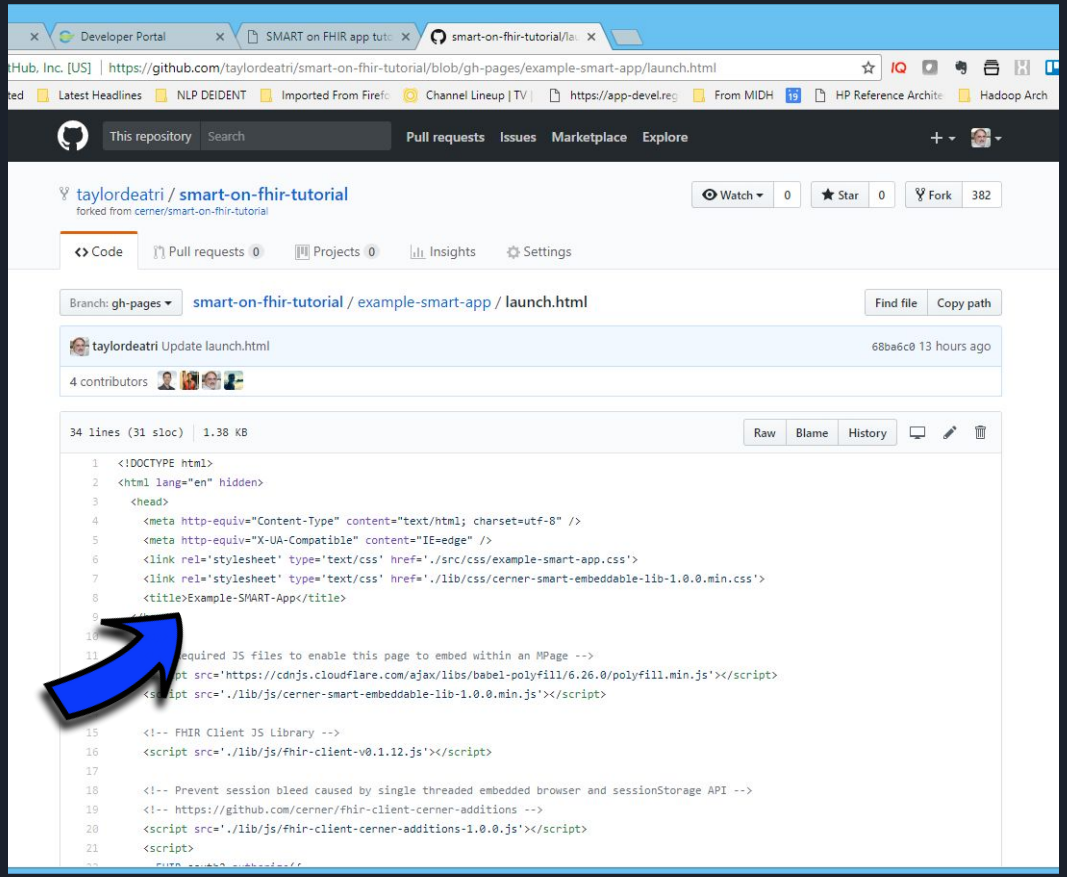
Tutorial GitHub Project - Fork it to your

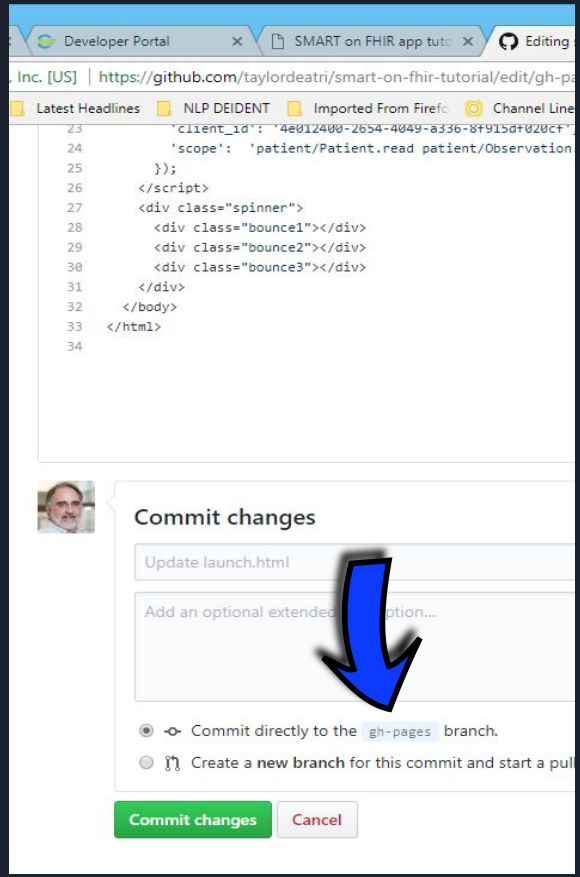


Cerner Tutorial Repo Forked - Select gh_pages



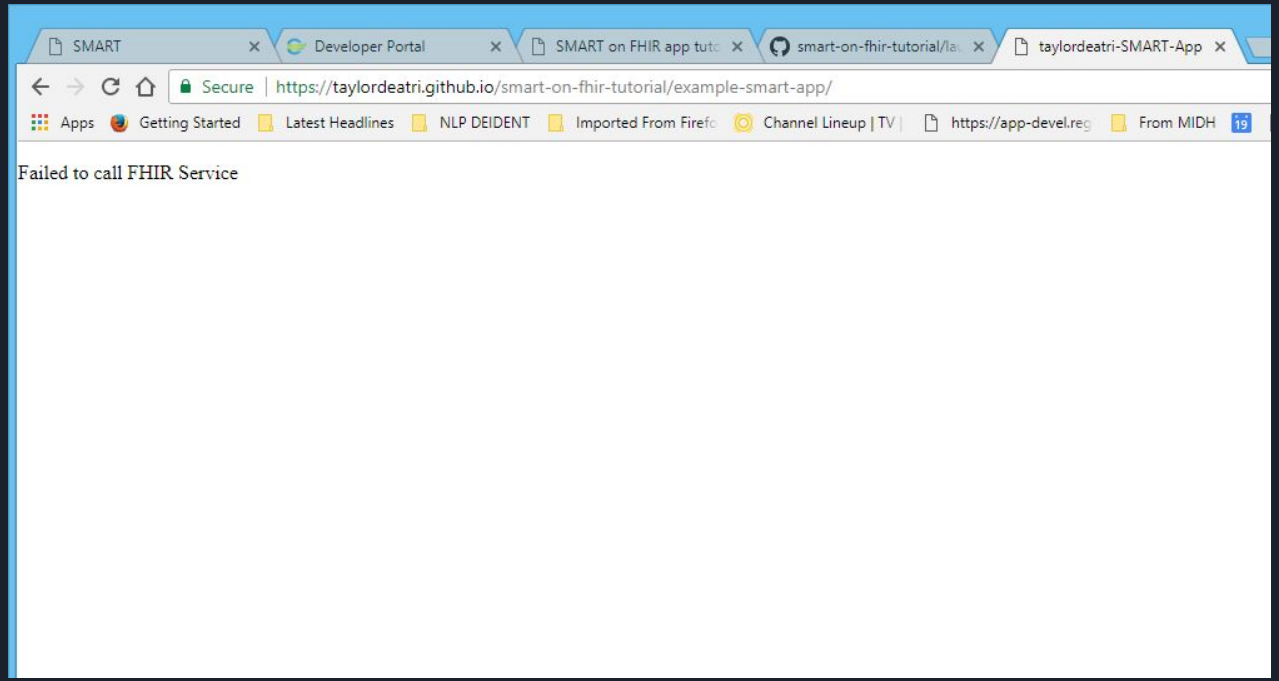
Edit Launch.html using GitHub commit to branch



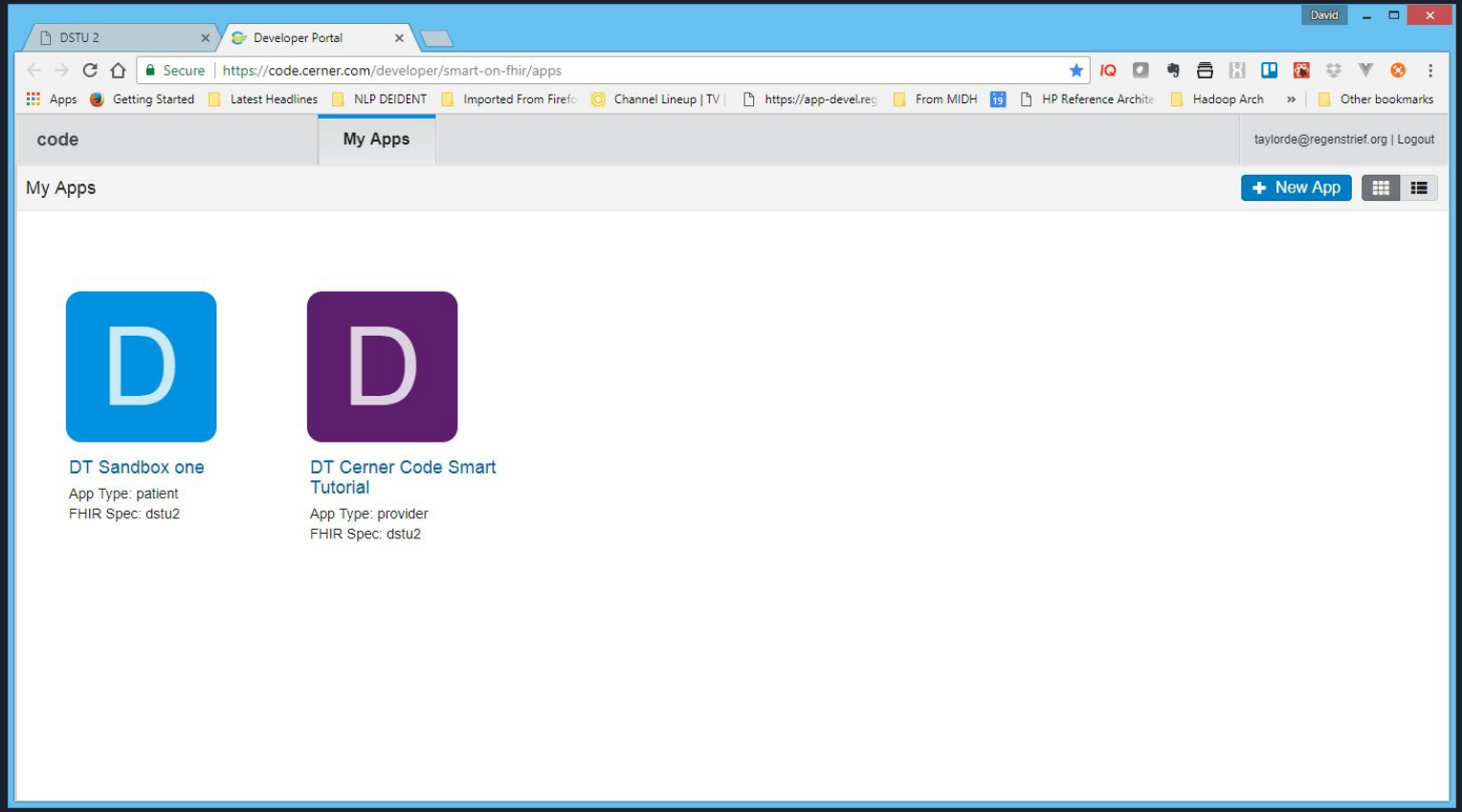


Test GitHub.io Pages works:

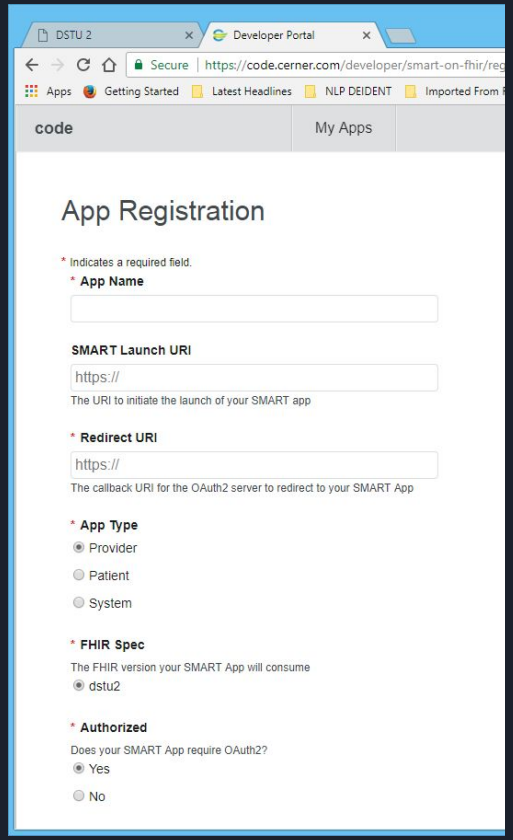
https://<your-username>.github.io/smart-on-fhir-tutorial/example-smart-app/

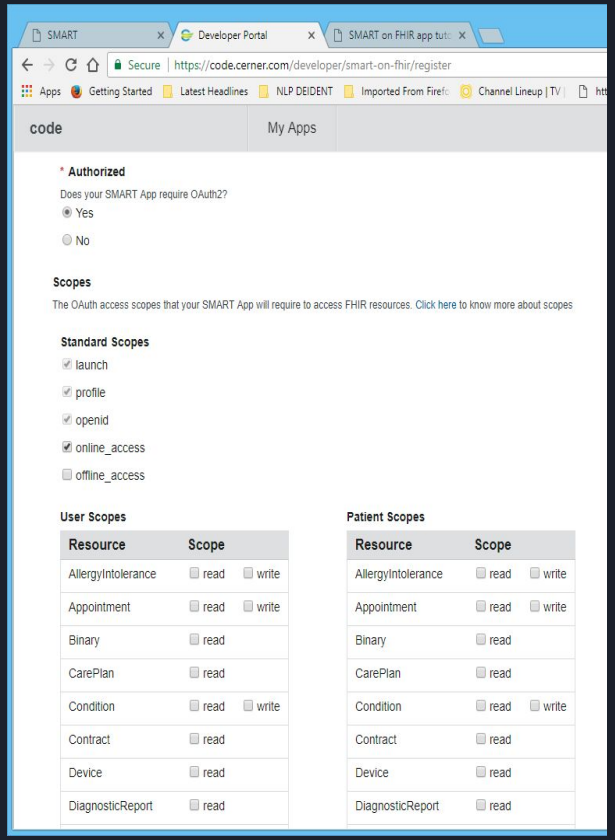


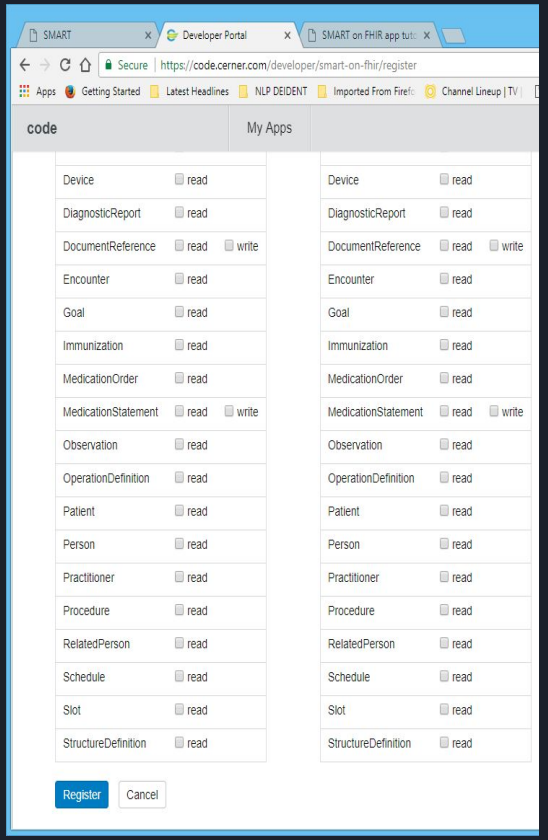
Cerner Smart on FHIR Code Portal



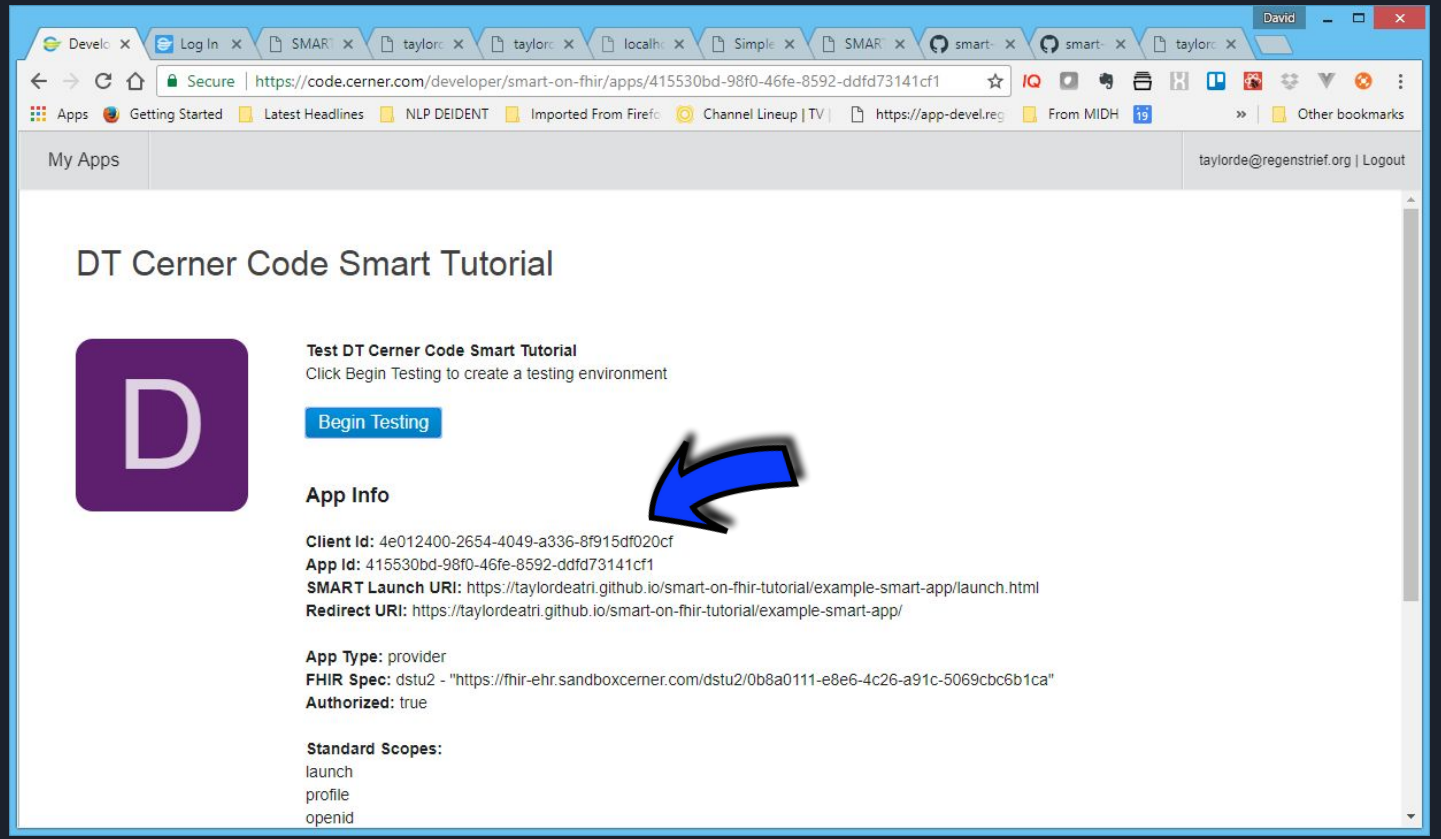
Cerner Code Portal App Registration



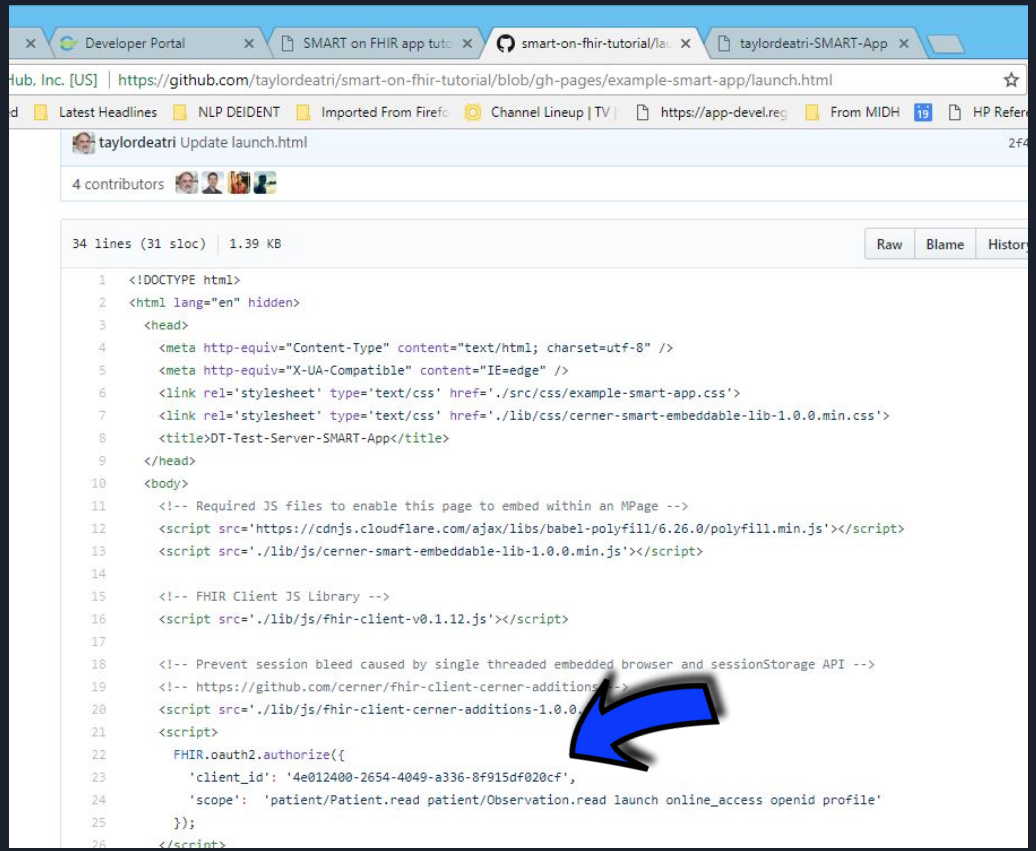




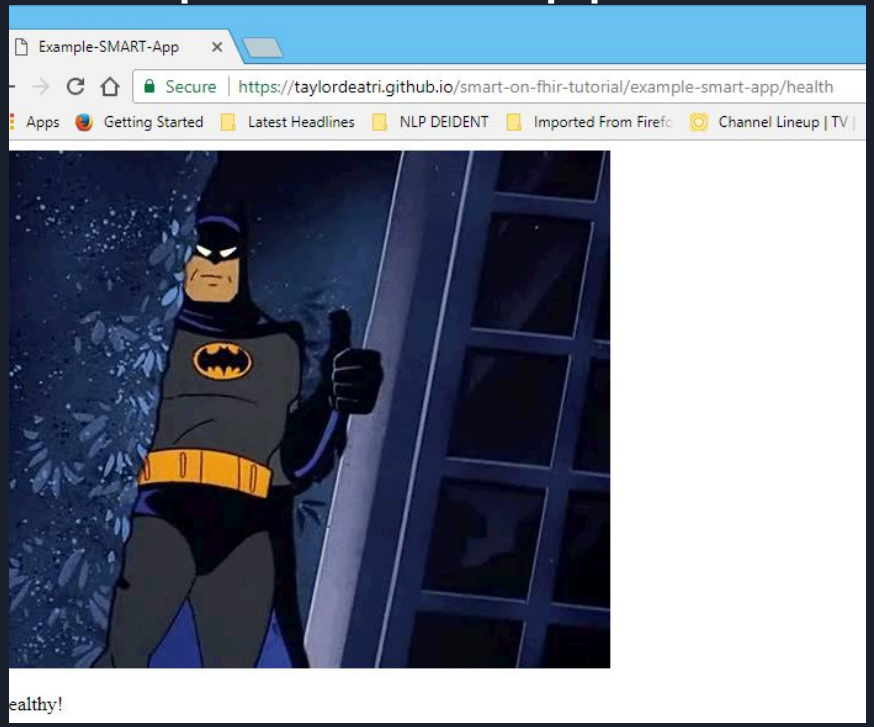
After filling out for Step by Step Tutorial



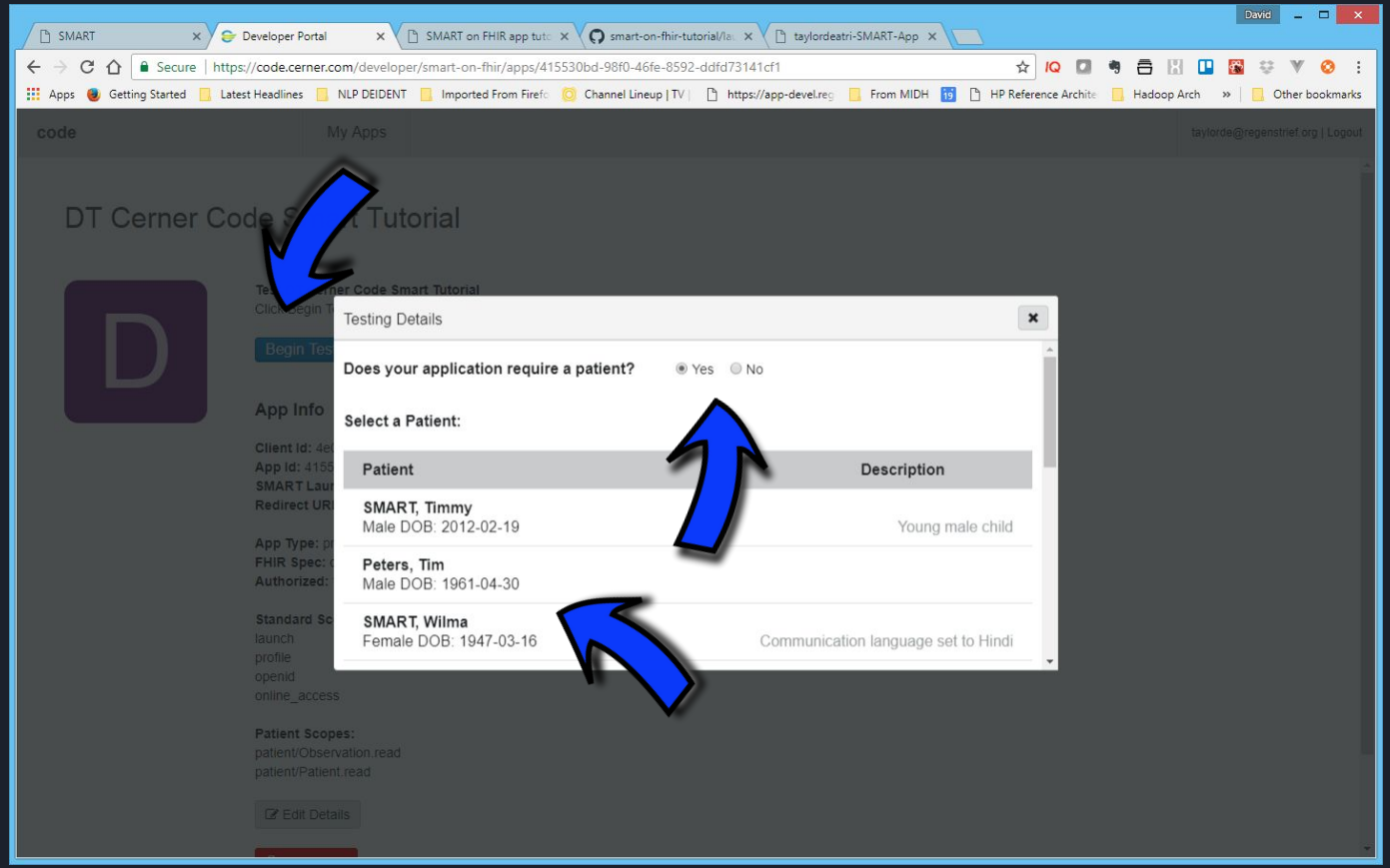
Edit Launch.html again to update Client Id



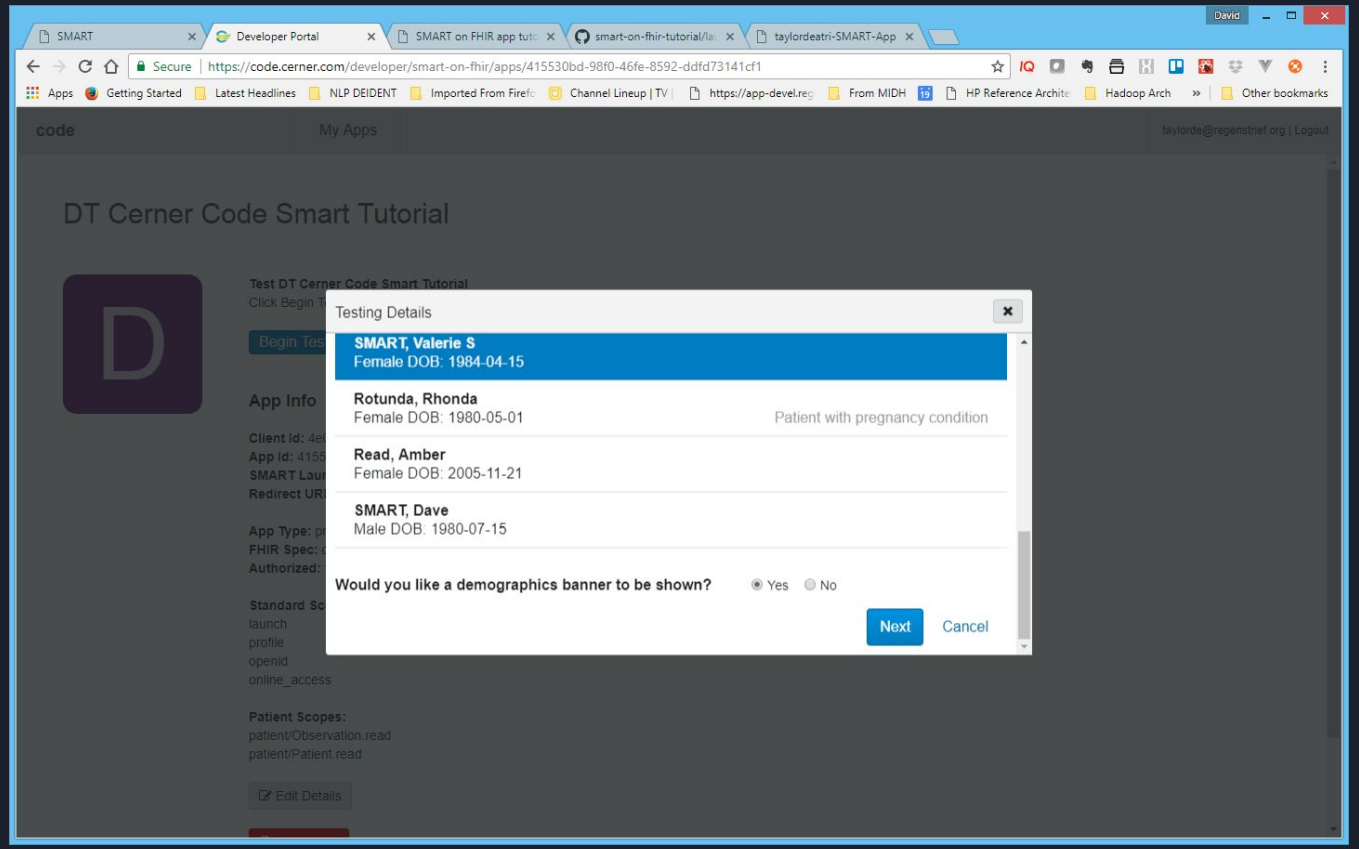
Verify Health Check on gh-pages url https://taylordeatri.github.io/smart-on-fhir-tutorial/example-smart-app/health



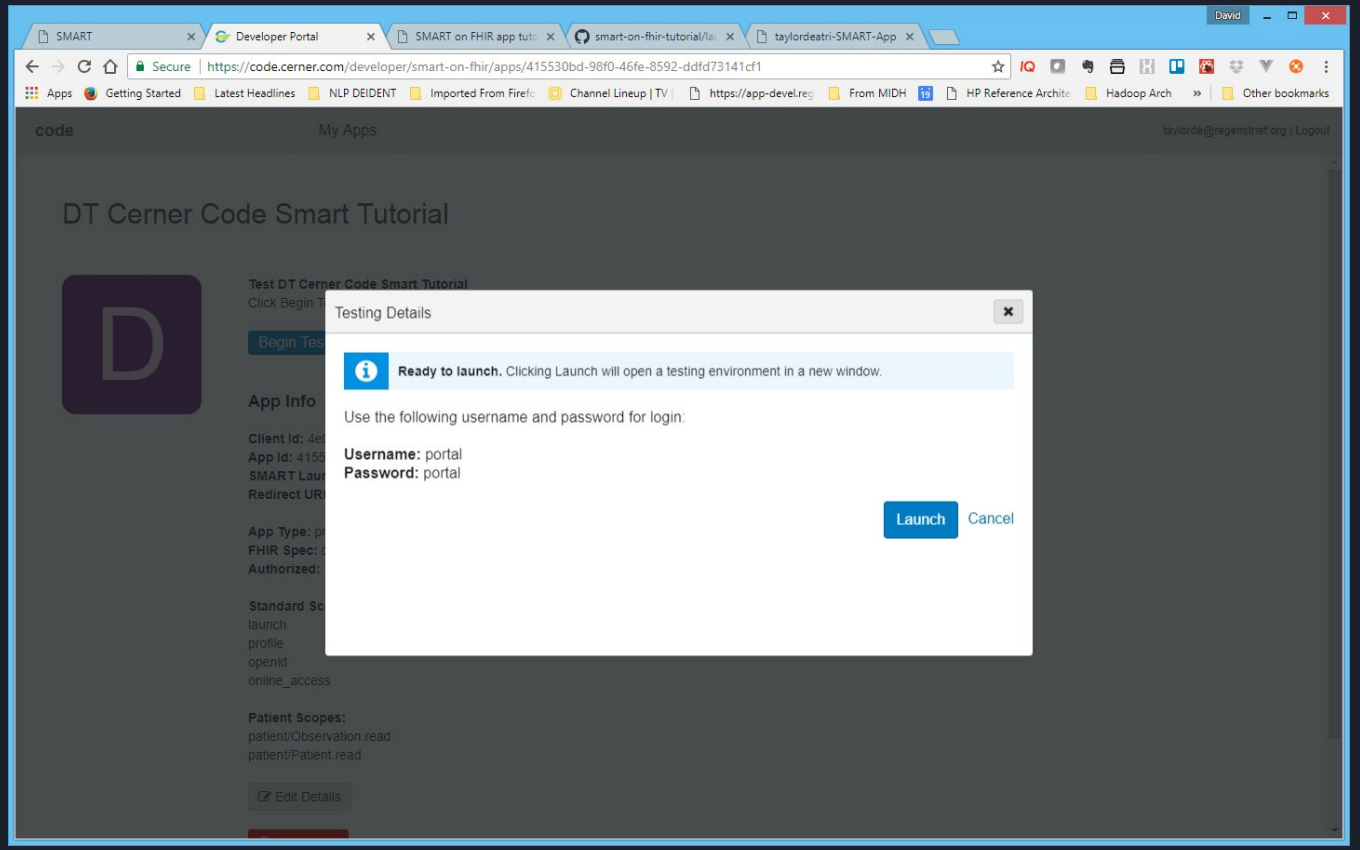
Test App via Cerner Code Portal



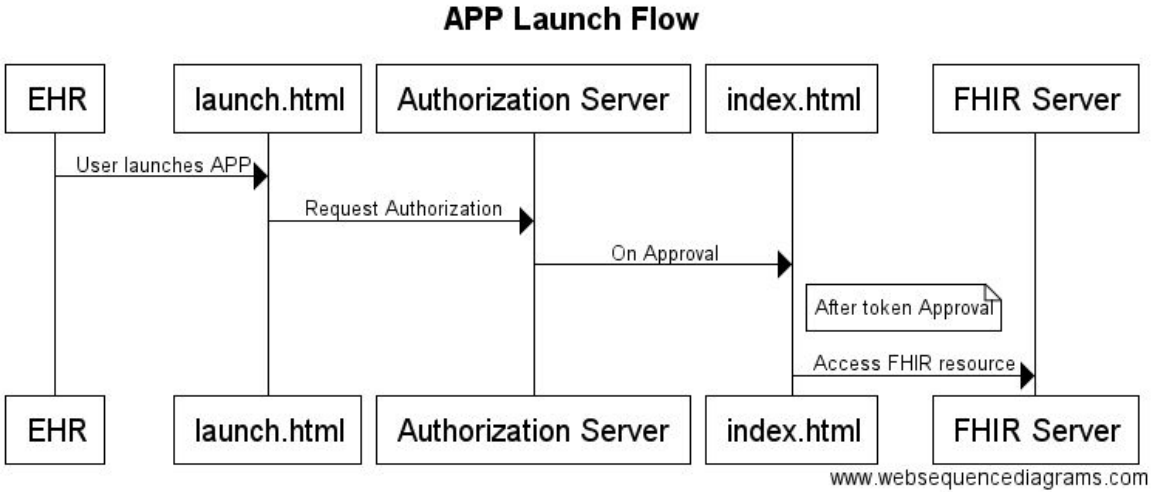
Select Patient



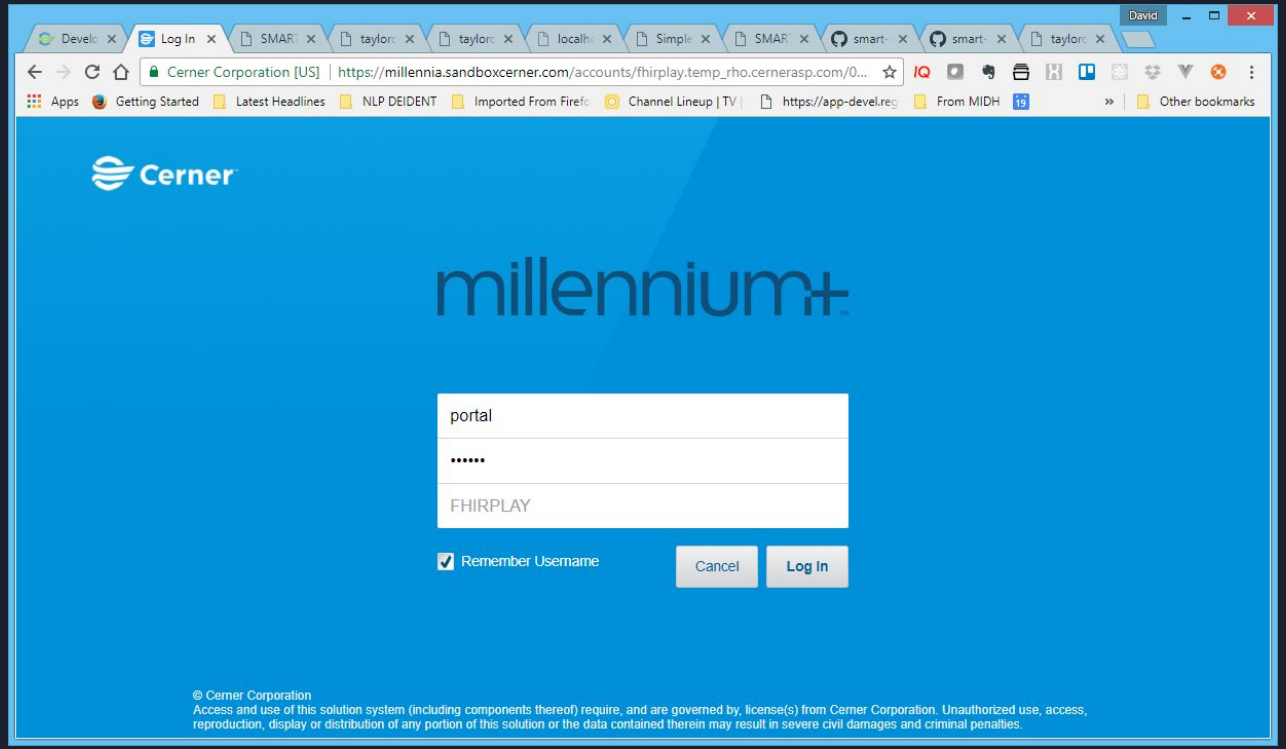
Launch


SMART
Developer Portal
SMART on FHIR app tut
smart-on-fhir-tutorial/la
taylordeatri-SMART-App
David
Secure
https://code.cerner.com/developer/smart-on-fhir/apps/415530bd-98f0-46fe-8592-ddfd73141cf1
Apps
Getting Started
Latest Headlines
NLP DEIDENT
Imported From Firefo
Channel Lineup | TV
https://app-devel.reg
From MIDH
HP Reference Archite
Hadoop Arch
Other bookmarks
code
My Apps
taylorde@regenstrief.org | Logout
DT Cerner Code Smart Tutorial
Test DT Cerner Code Smart Tutorial
Click Begin T
Begin Tes
App Info
Client Id: 4e
App Id: 4155
SMART Lau
Redirect UR
App Type: pu
FHIR Spec:
Authorized:
Standard Sc
launch
profile
openid
online_access
Patient Scopes:
patient/Observation.read
patient/Patient.read
Edit Details
Testing Details
Ready to launch. Clicking Launch will open a testing environment in a new window.
Use the following username and password for login:
Username: portal
Password: portal
Launch
Cancel

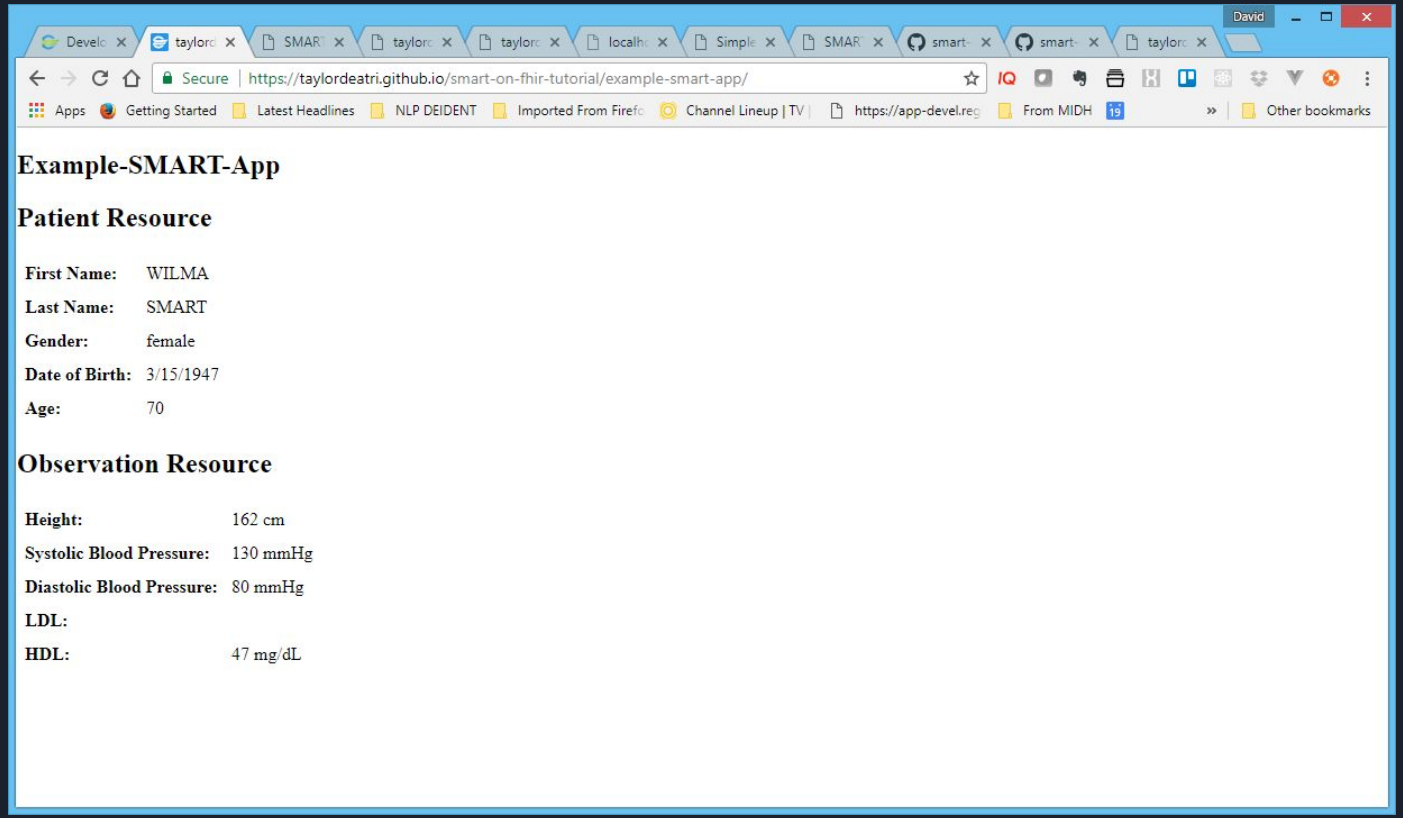
Another Sequence Diagram for Sandbox



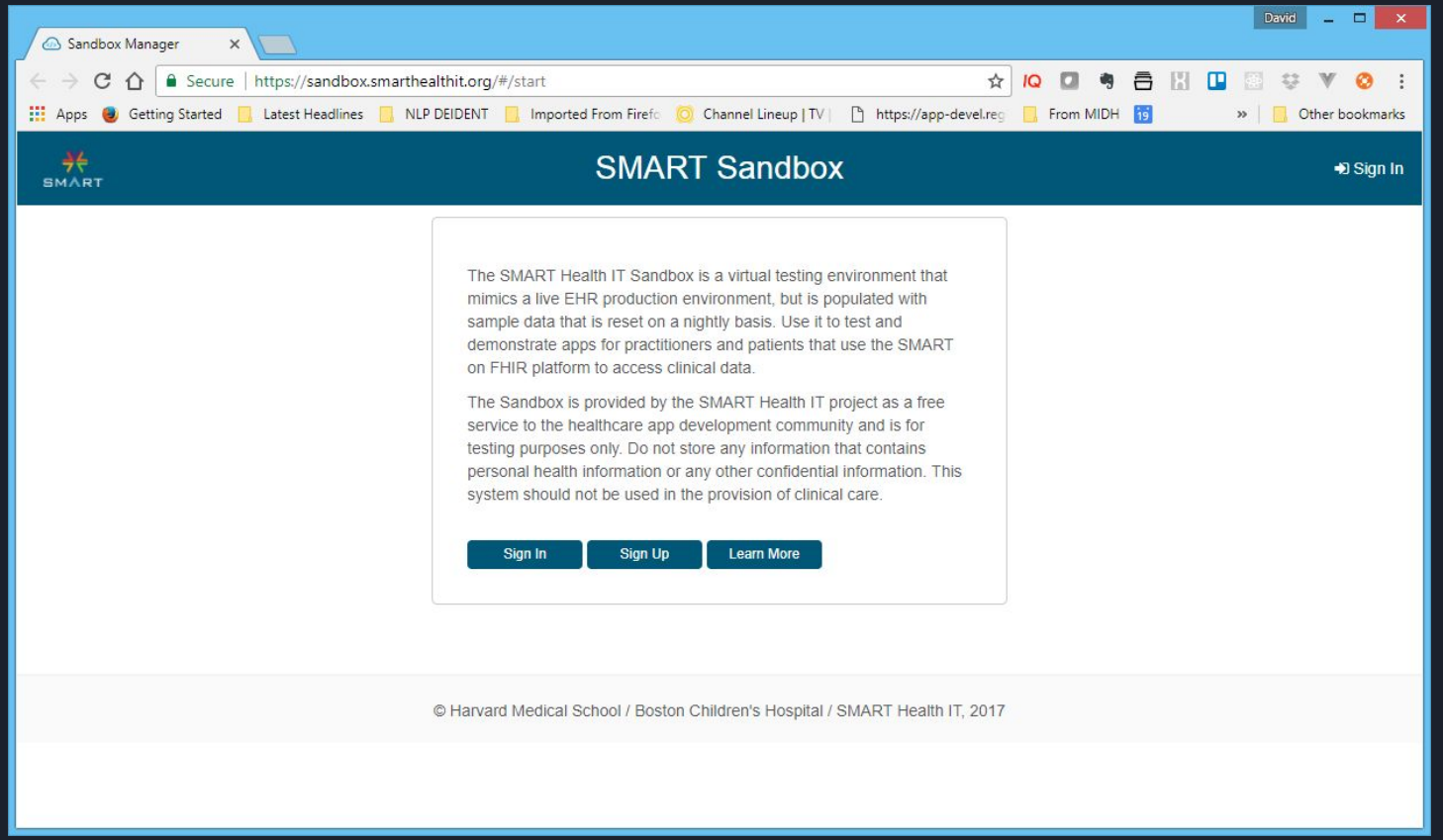
Cerner after pressing Launch Button



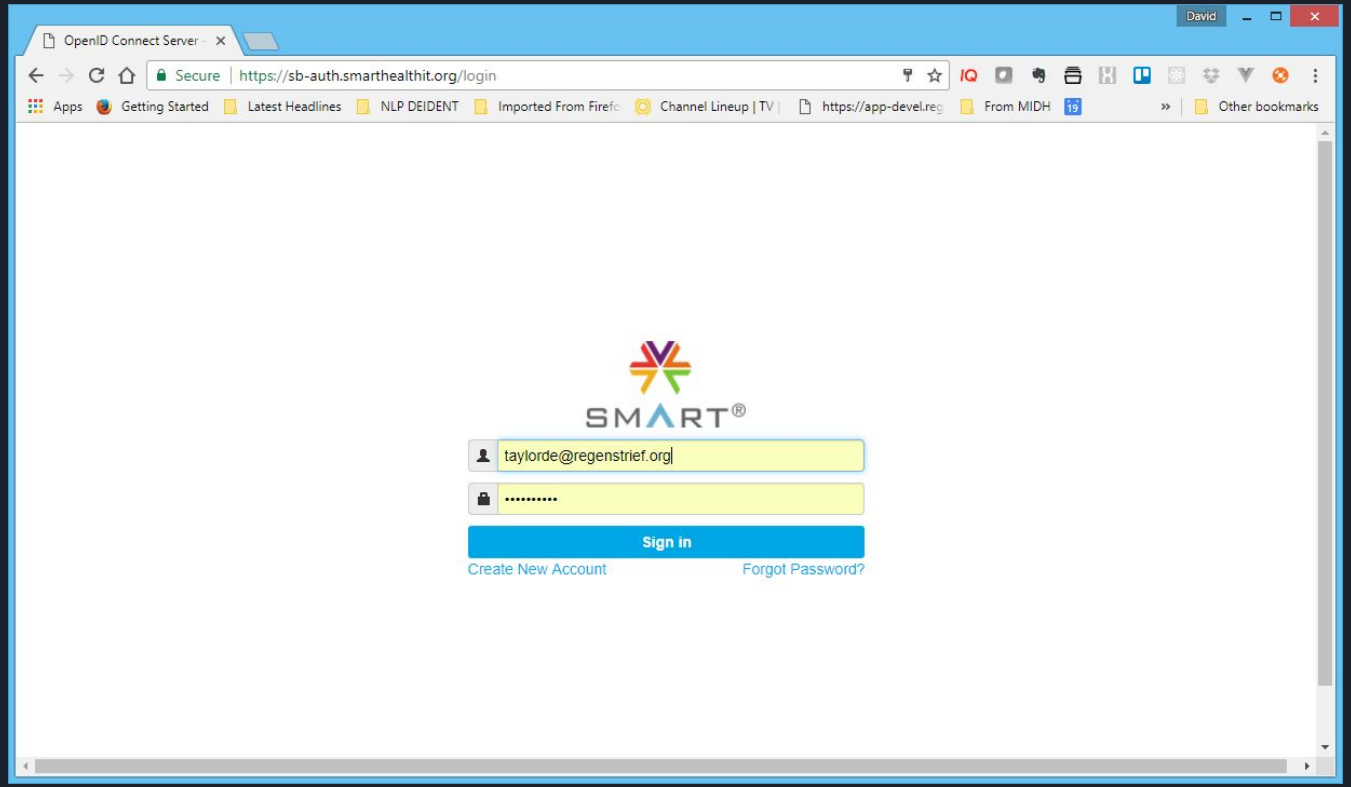
See the Results in your FHIR App



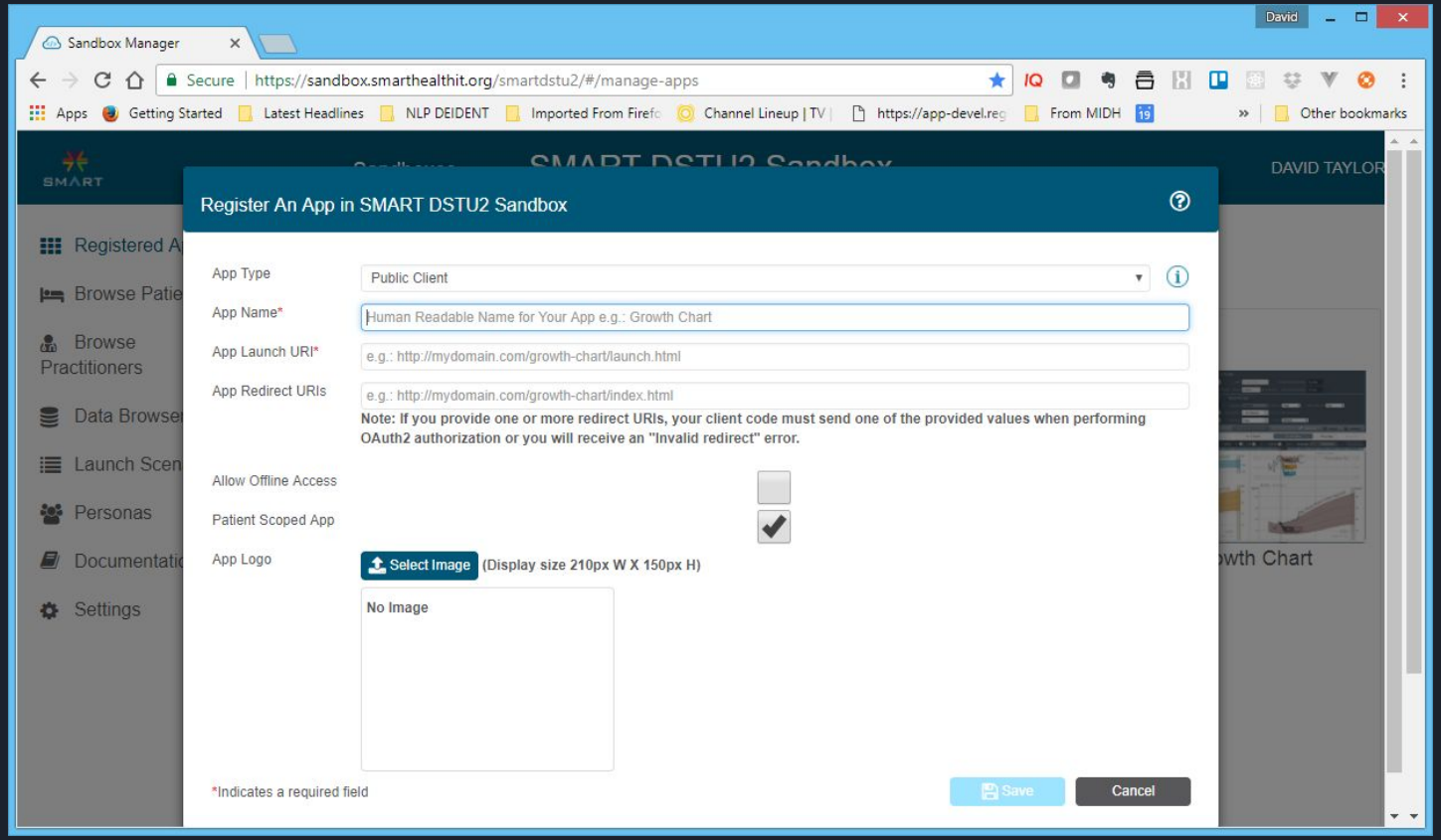
Now try it at SmartHealthIT



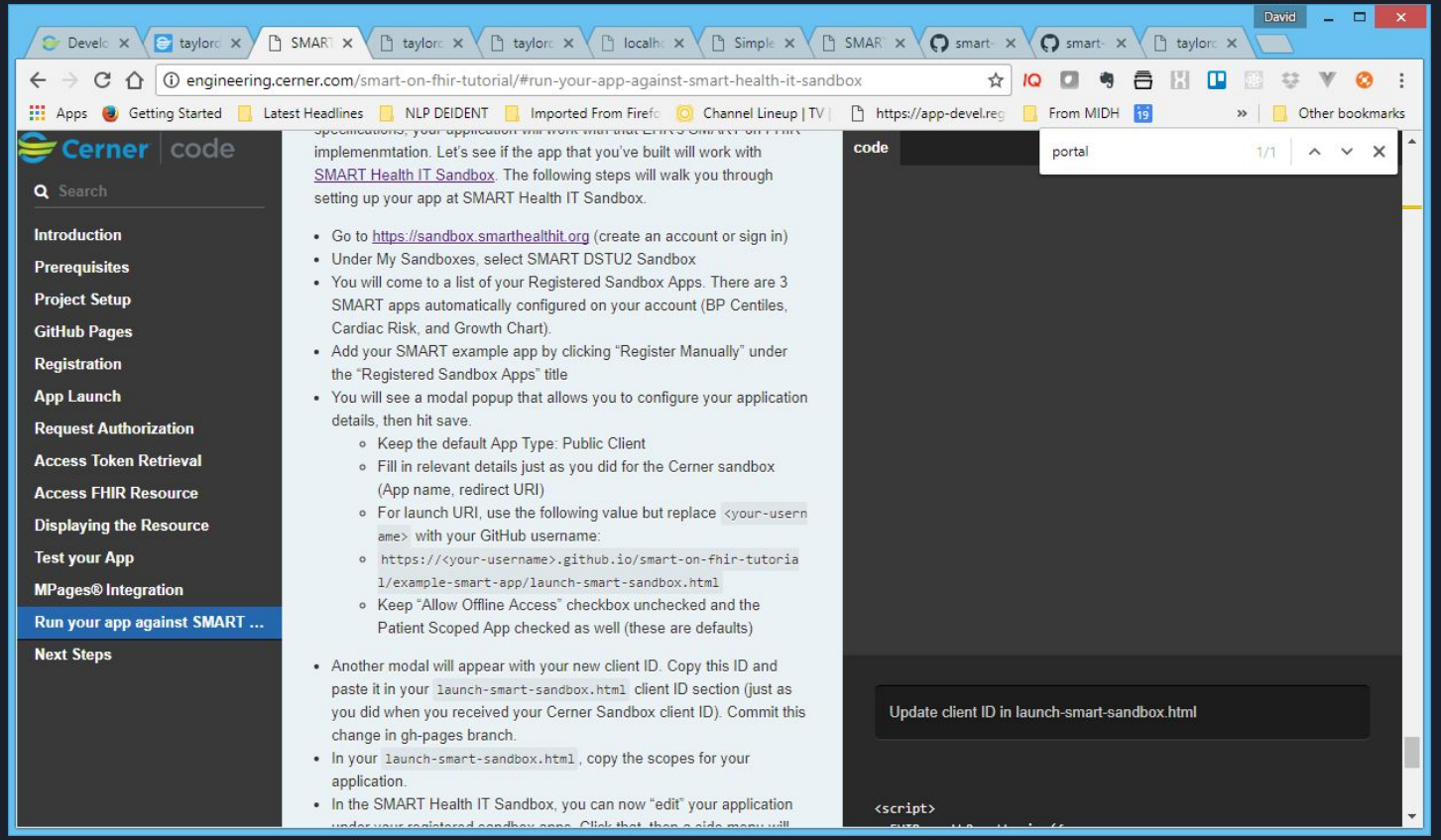
Sign into SmartHealthIT



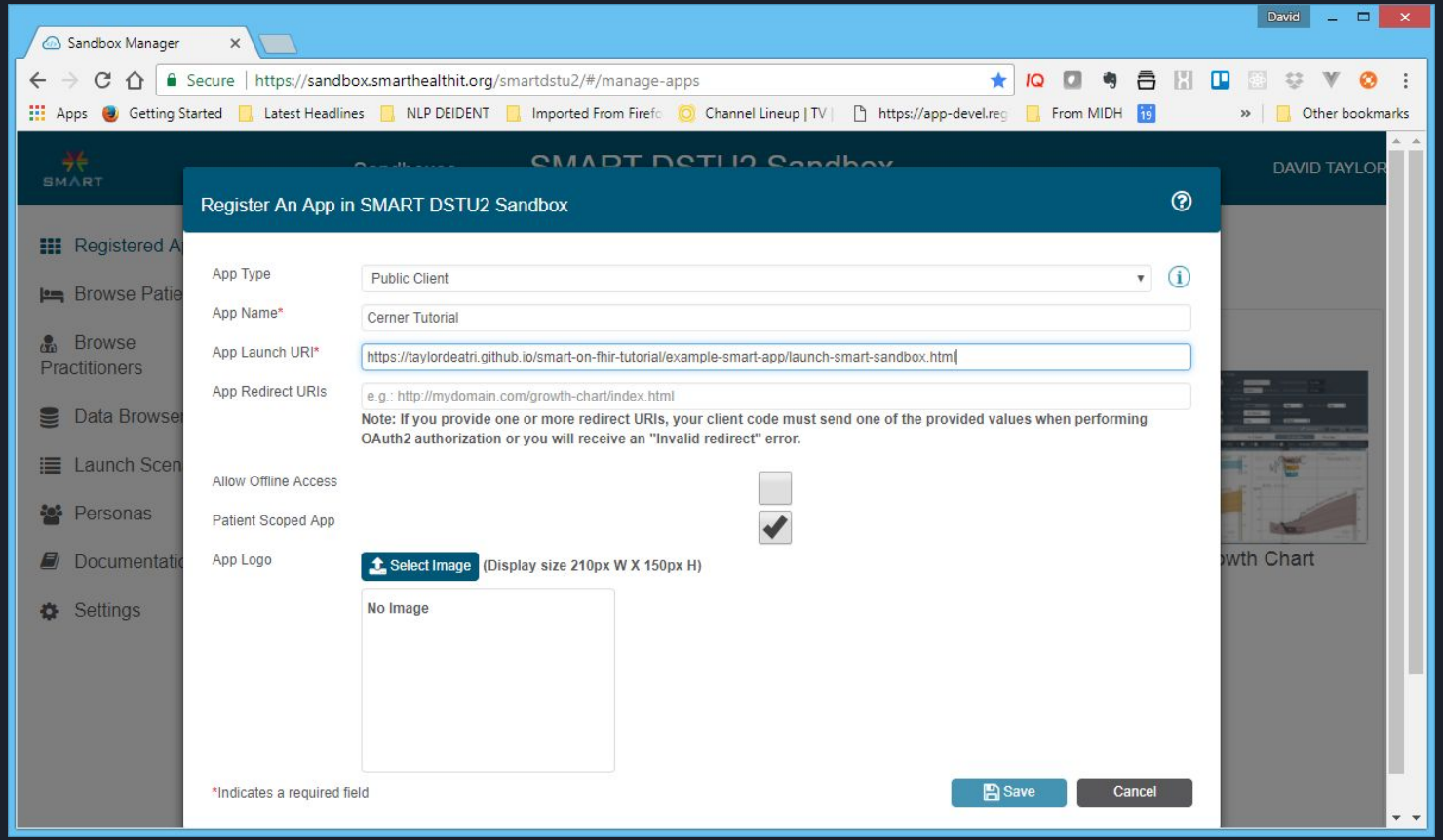
Select DSTU2 Sandbox and Click Manual Entry



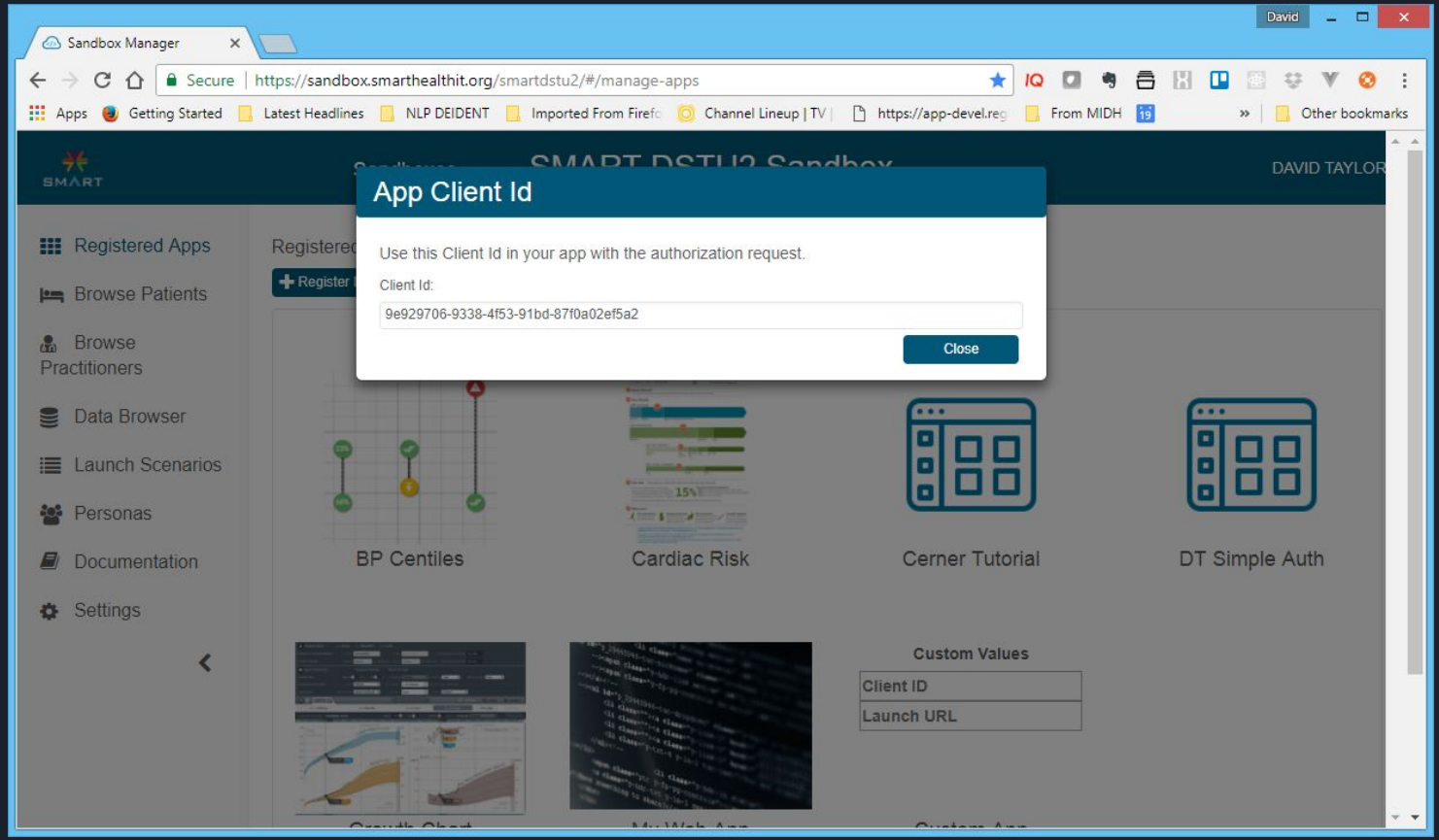
Cerner Tutorial Steps for SmartHealthIT



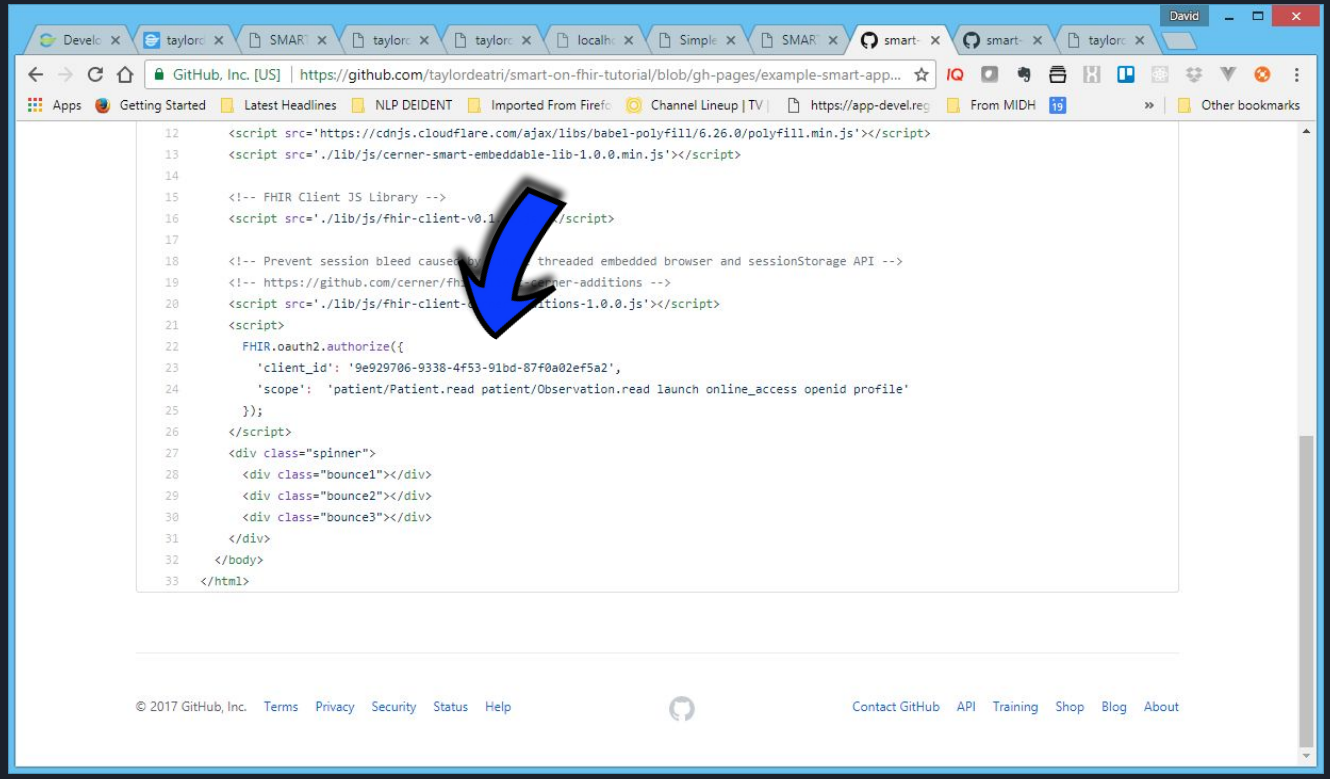
Filled out Form



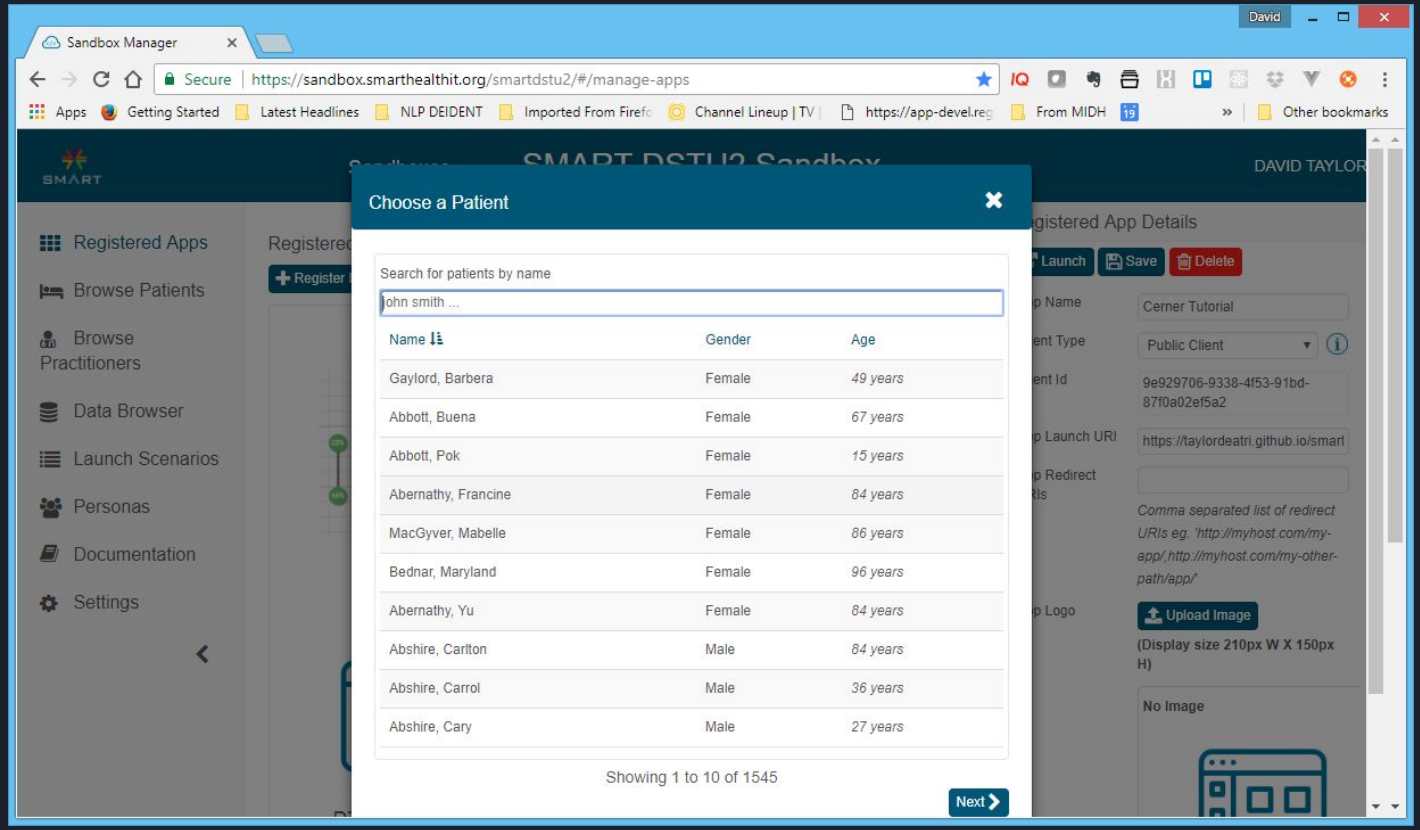
After Saving App



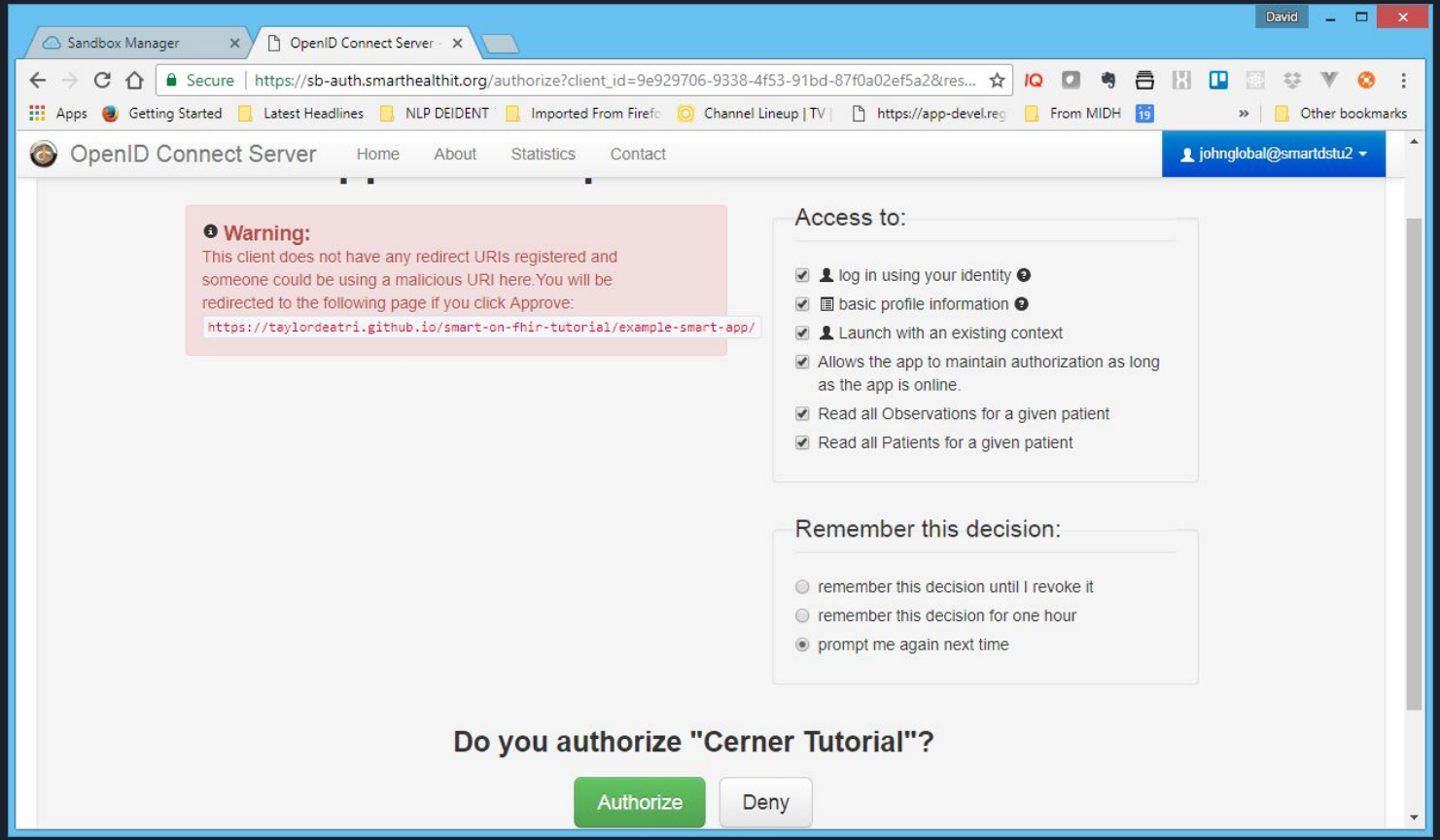
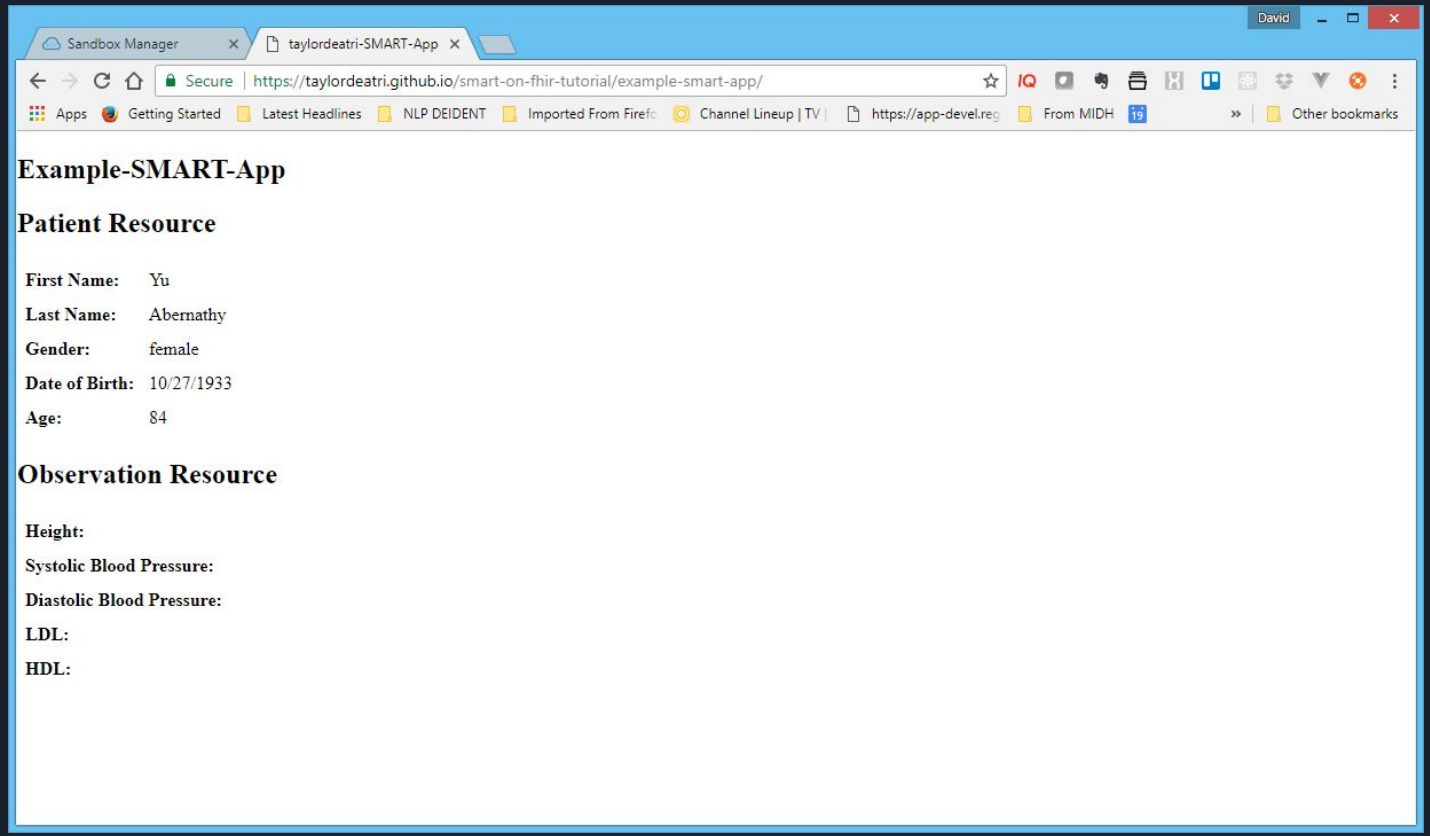
Edit Smart On Fhir Tutorial launch-smart-sandbox.html for Client ID



Choose SmartHealthIT



SmartIT Sandbox after launch



After approved