



# SMART ON FHIR APP. FOR CDSS FOR HOSPITAL DISCHARGE DECISION MAKING

## MANUAL



Team FHIR When Ready

Reece Karge | Paul Maserrat | Joshua Kaelin

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## 1. Login

1. Open a web browser and enter the URL:  
<https://code.cerner.com/developer/smart-on-fhir/apps>
2. Login with your credentials. For temporary testing use  
“reecekarge@gmail.com” as the username and “FhirTesting1!” as the  
password. Note: This testing account will only be active for a few weeks.
3. Select your app from the list. If temporary testing, select “Patient  
Discharge Decision Maker Test” application from the list.
4. Take note of the Username and Password displayed on the screen. You  
will need that to login as test provider.
5. Click the “Begin Test” button.
6. Select “no” for the “Does your application require a patient?” question.
7. Click the “Launch” button.
8. Enter the Username and Password listed in step 4 and click “Login”.
9. The application loads and are authenticated as a provider.

## 2. Using the Application

1. The page initially loads the first test user from the patient list. The application displays patient, encounter, procedure, observation, condition, care plan and medication administration data. Please note that some sections are blank because the Cerner FHIR server has no information for that resource type.
2. Select a patient from the drop down and the page will reload with the information from this new patient.

### 3. Setting Up New Instance of the Application

1. Checkout the code from Github into the IDE of your choice.

URL: <https://github.gatech.edu/gt-hit-fall2016/Discharge-Decision-Making---FHIR-When-Ready>

2. Make sure the IDE has Gradle setup because it is used to build the project. Example would be Eclipse with the Gradle plugin installed.
3. Do a Gradle Build to create the war file.
4. Setup a publicly accessible server such as Tomcat.
5. Deploy war to server and take note of base URL.
6. Create a Cerner developer account.

URL: <https://code.cerner.com/developer/smart-on-fhir/>

7. Register app with Cerner using the Base URL from step 5.
  - a. Enter an app name
  - b. Set "SMART Launch URI:" to "{Your base URL}/authorize"
  - c. Set "Redirect URI:" to "{Your base URL}/patient"
  - d. Set "App Type" to "Provider"
  - e. Set "FHIR Spec" to "dstu2\_patient"
  - f. Set "Authorized" to "yes"
  - g. Select Online Access, Launch, and Profile as the Scope
  - h. Select every "Read" for every resource of the User and Patient Scopes
8. Click the "Register" button
9. Take note of the Client ID that has been assigned to the app.
10. Replace old Client ID with the new one in the following 2 places:
  - a. In the "PatientServlet" on lin 80
  - b. In the "AuthorizationServlet" on line 79

11. Redeploy the updated application to the server.

12. Return to the Cerner development page and you can now test the application.