

Let's Build! Decision Support

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Redmond, June 10 – 12 | @HL7 @FirelyTeam | #fhirdevdays | www.devdays.com/us

Opioid Quick Start

<http://build.fhir.org/ig/cqframework/opioid-cds/quick-start.html>

Specifications

- FHIR Clinical Reasoning Module
 - <http://hl7.org/fhir/clinicalreasoning-module.html>
- CDS Hooks
 - <https://cds-hooks.hl7.org/1.0/>
- Clinical Quality Language
 - <http://cql.hl7.org>
- Opioid Prescribing Support Implementation Guide
 - <http://build.fhir.org/ig/cqframework/opioid-cds/>
- CQF Recommendations
 - <http://build.fhir.org/ig/HL7/cqf-recommendations>

Tools

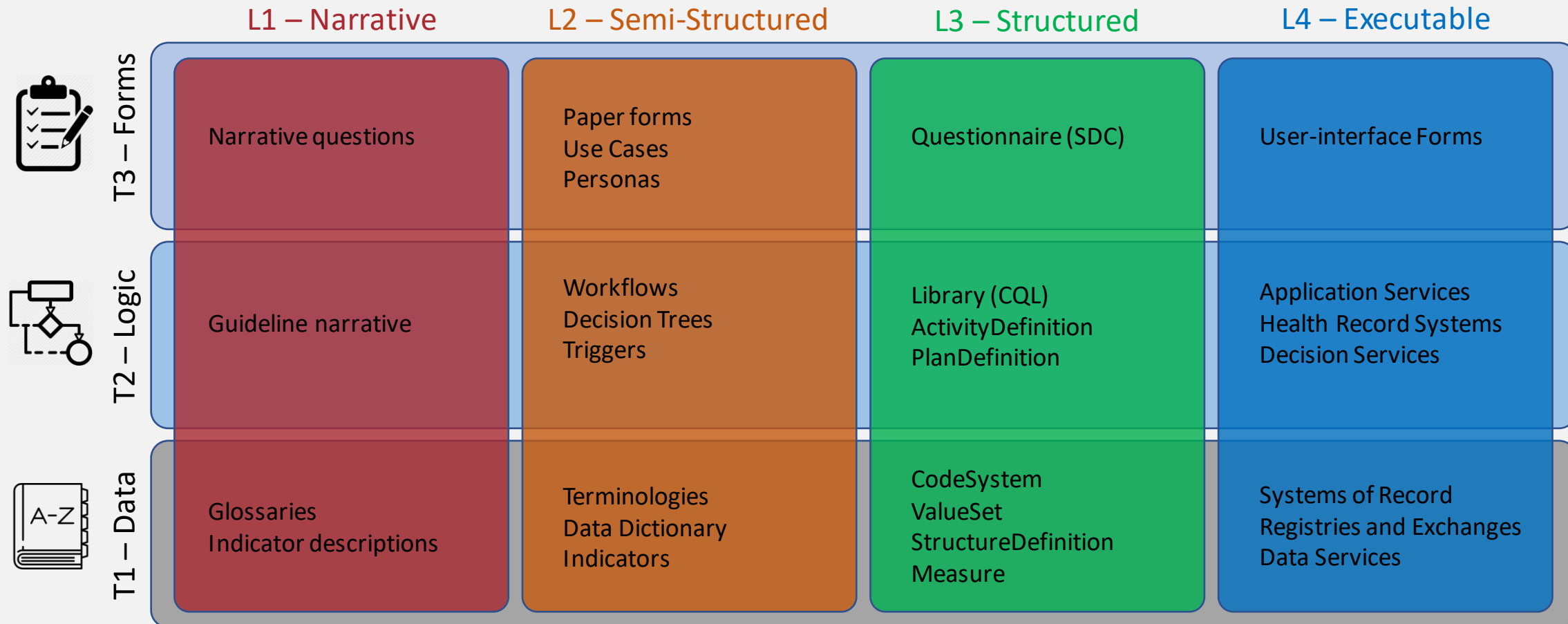
- Atom Editor
 - Simple, open source text editor
- language-cql
 - Atom plugin
 - Syntax highlighting
 - Error detection
 - Translation to ELM

The screenshot shows the 'Community Packages' section of the Atom editor. It lists two installed packages:

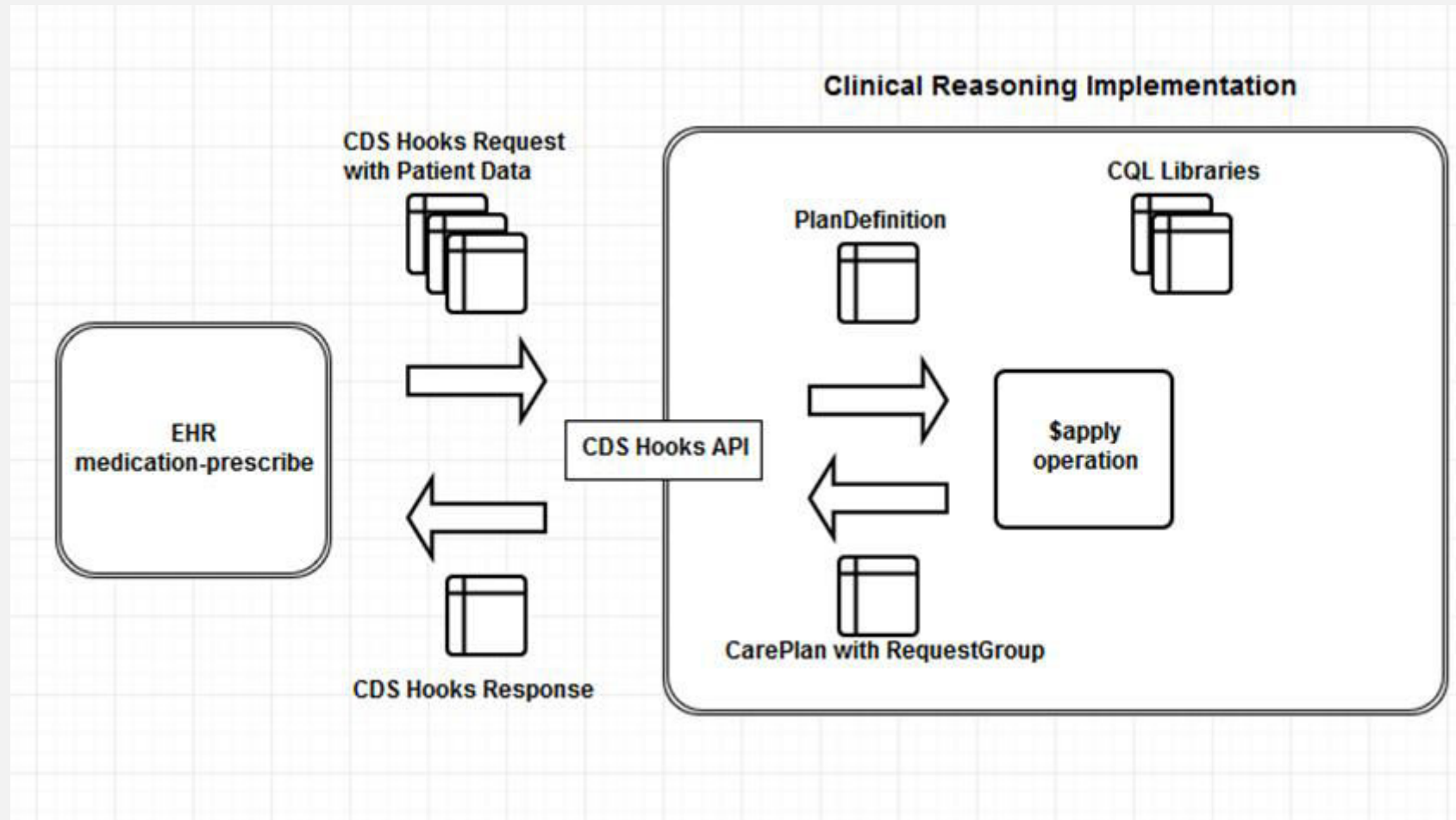
- atom-ide-ui 0.13.0** (1,192,012 users)
A collection of Atom UIs to support language services.
Developer: facebook-atom
Actions: Settings, Uninstall, Disable
- language-cql 2.0.0** (699 users)
Clinical Quality Language support in Atom
Developer: cqframework
Actions: Update to 2.0.1, Settings, Uninstall, Disable

Decision Support in FHIR

Requirements -> Running Code



Approach



Opioid Quick Start

<http://build.fhir.org/ig/cqframework/opioid-cds/quick-start.html>

Resources

CDC Opioid Prescribing Support Implementation Guide:

- <http://build.fhir.org/ig/cqframework/opioid-cds/>

CQF Recommendations (CPG-on-FHIR):

- <http://build.fhir.org/ig/HL7/cqf-recommendations>

Publicly Available Clinical Reasoning Test Server (CQF Ruler) URL:

- <http://measure.eval.kanvix.com/cqf-ruler/baseDstu3>

Publicly Available CDS Hooks Server URL:

- <http://measure.eval.kanvix.com/cqf-ruler/cds-services>

Walkthroughs

Opioid Quick Start:

- <http://build.fhir.org/ig/cqframework/opioid-cds/quick-start.html>

CDS Hooks Request:

- <https://github.com/DBCG/cqf-ruler/wiki/CDS-Hooks-Request-Processing>

Activity Definition \$apply

- [https://github.com/DBCG/cqf-ruler/wiki/ActivityDefinition-\\$apply-Operation](https://github.com/DBCG/cqf-ruler/wiki/ActivityDefinition-$apply-Operation)

Plan Definition \$apply

- [https://github.com/DBCG/cqf-ruler/wiki/PlanDefinition-\\$apply-Operation](https://github.com/DBCG/cqf-ruler/wiki/PlanDefinition-$apply-Operation)