

Sexually Transmitted Disease Surveillance Research Resources

Course:

CS 6440 – Introduction to Health Informatics

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Git Hub Link:

<https://github.gatech.edu/gt-hit-fall2016/Sexually-Transmitted-Disease-Surveillance>

Throughout this document the acronym STDCRX stands for Sexually Transmitted Disease Case Report Exchange.

Resource Name	URL	Description
FHIR STU 3 Ballot	https://www.hl7.org/fhir/2016Sep/	FHIR documentation provided by HL7. An invaluable resource for the details on the FHIR specification and information on the fields available on each FHIR resource.
Java Standard Edition 8 API Specification	https://docs.oracle.com/javase/8/docs/api/	Documentation for the Java 8 Standard Edition API. Used extensively during the development of STDCRX since its server-side logic is written in Java.
HAPI-FHIR	http://hapifhir.io/	Documentation for HAPI-FHIR, a Java library which is used by STDCRX to both send and receive information from FHIR. Includes objected-oriented classes that represent each resource in FHIR.
HAPI-FHIR API Docs	http://hapifhir.io/apidocs/	Documentation for the HAPI-FHIR API, used extensively during development of STDCRX for both sending and receiving data from FHIR.
Model-Driven Health Tools (MDHT) for CDA	http://cdatools.org/	Documentation for Model-Driven Health Tools (MDHT) for CDA, a Java library used by STDCRX to convert data stored within HAPI-FHIR objects to a C-CDA document.
MDHT for CDA API Docs	http://cdatools.org/javadoc/index.html?overview-summary.html	Documentation for the MDHT for CDA API, used extensively by STDCRX for generating a C-CDA document from FHIR data.
Play Framework Documentation	https://www.playframework.com/documentation/2.5.x/Home	Documentation for the Play Framework, a web application framework used by STDCRX on the server-side.
jQuery API Documenation	https://api.jquery.com/	Documentation for jQuery, a JavaScript library used for client-side (web browser) programming. Used extensively

		by parts of STDCRX that run in a web browser.
Bootstrap 3 Datepicker Docs	https://eonasdan.github.io/bootstrap-datetimepicker/	Documentation for a datepicker JavaScript plug-in used in the PHA tool for displaying a graphical date picker for the From and To dates.
Magnific popup Documentation	http://dimsemenov.com/plugins/magnific-popup/documentation.html	Documentation for Magnific Popup, a Javascript plug-in used in the PHA tool for displaying C-CDA documents in a pop-up.
vkbeautify	https://code.google.com/archive/p/vkbeautify/	Documentation for vkbeautify, a JavaScript plug-in used in the PHA tool to pretty-print the C-CDA document XML displayed so that it is easier to read for humans.
XML Path Language (XPath) Specification	https://www.w3.org/TR/xpath/	Documentation for XPath, a language for addressing parts of an XML document. Used by STDCRX to parse data from a C-CDA document for population of HAPI-FHIR objects that are sent to a FHIR server.
Heroku Reference	https://devcenter.heroku.com/categories/reference	Technical documentation that describes the Heroku platform. STDCRX is hosted on Heroku.
Git Documentation	https://git-scm.com/docs	Documentation for git, which was used to provide source control during the development of STDCRX.