Justin Kabbes

Jkabb2

UIN 652894101

**User manual**

1. Download the entire restlet package, which will include doctors.war, the build.xml file, web.xml, and the following .jar files and .java files.

.jar files:

* Org.json.jar
* Org.restlet.ext.json.jar
* Org.restlet.ext.servlet.jar
* Org.restlet.ext.xml.jar
* Org.restlet.jar

.java files

* CreateResource.java
* JsonAllResource.java
* Main.java
* Patient.java
* Patients.java
* PlainResoure.java
* UpdateResource.java
* XmlAllResource.java
* XmlOneResource.java
* AdagesApplication.java

1. Startup the Apache Tomcat server.
2. Open the command line and change directories to the restlet directory where doctors.war is located. Execute the following command:

* ant -Dwar.name=doctors deploy

1. Point the browser to the following locations to see the data in different formats:

* Plain text: <http://localhost:8080/doctors/>
* XML: <http://localhost:8080/doctors/xml>
* JSON: <http://localhost:8080/doctors/json>

1. Open the curl utility in the command line and run the following commands to perform CRUD operations.

* *curl --request GET* <http://localhost:8080/doctors/>
* *curl --request GET* [http://localhost:8080/doctors/xml/[ID](http://localhost:8080/doctors/xml/%5bID)*]*
  + *[ID] is a placeholder for the doctor’s ID number. For example, if the doctor’s ID number is 3 then entering* ***curl --request GET http://localhost:8080/doctors/xml/3*** *would return only the information for that doctor and his or her own patients*
* *curl --request POST --data “doctor=EmberDr!1!JustinSick!CC101” http://localhost:8080/doctors/create*
* *curl --request PUT -d id=1 -d doctor=”TwinklesDr” http://localhost:8080/doctors/update*
* *curl --request DELETE* <http://localhost:8080/doctors/delete/1>
* In order to perform POST operations the user must format the –data input in the following format
  + [Doctor name] ! [Doctor ID] ! [Patient 1 name] ! [Patient 2 insurance ID] ! [Patient 2 name] ! [Patient 2 insurance ID] ! … [Patient x name] ! [Patient x insurance ID]
  + All entities such as the names and IDs are separated using an exclamation point “!”.