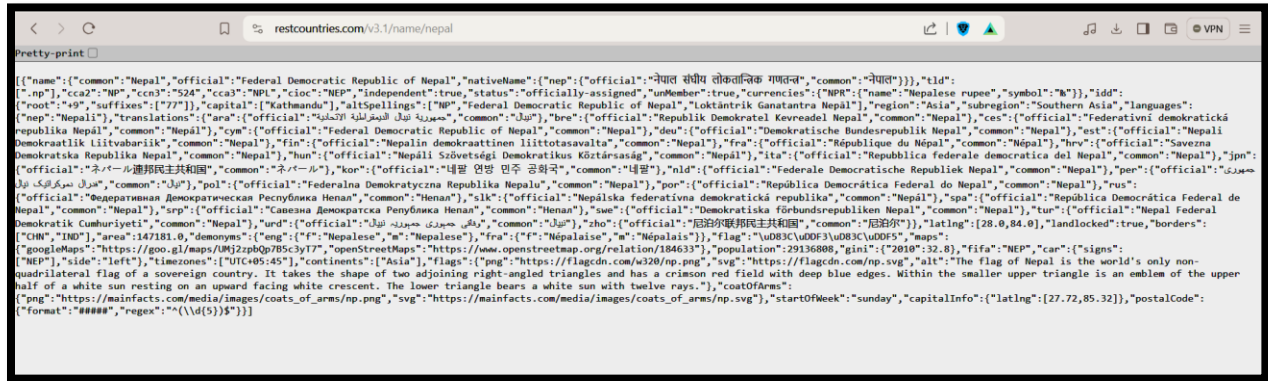


Steps of testing the REST API in SoapUI:

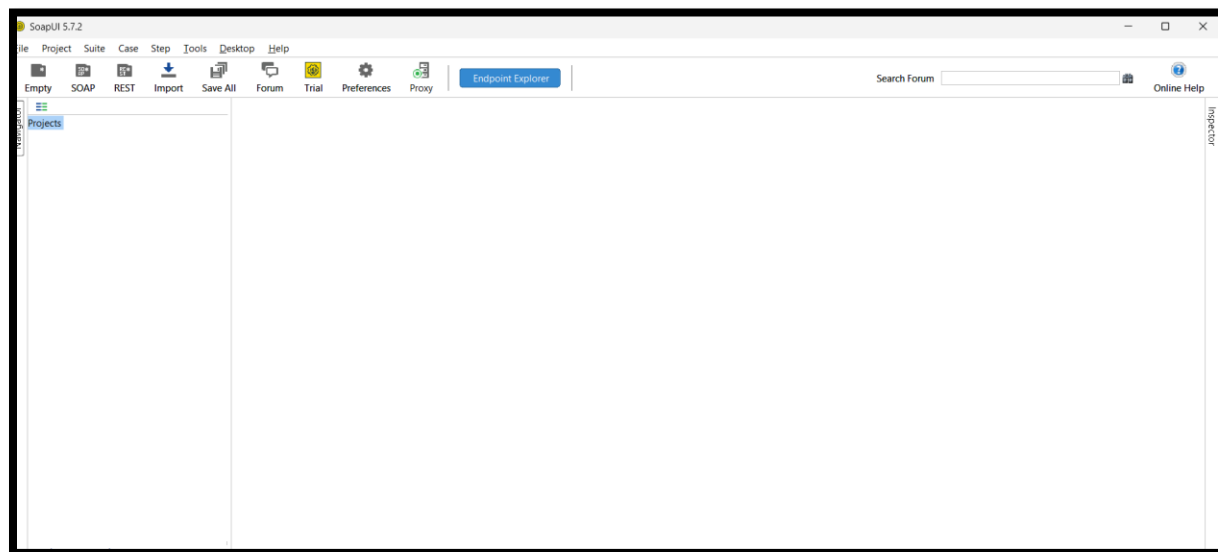
We are going the REST API from the URL <https://restcountries.com/v3.1/name/nepal>. The API in the browser looks like the following:



Testing API is very important so that we can tackle the errors in the early stage and save the time and cost in the future.

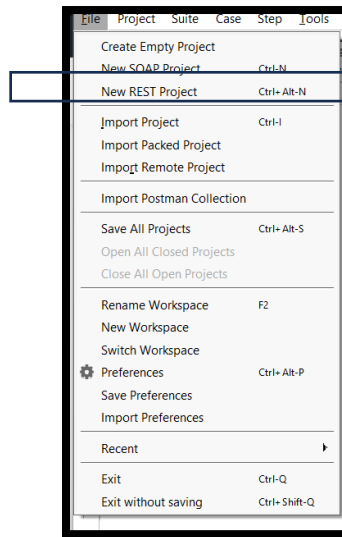
The steps of testing REST API in SoapUI are given below:

Step 1: After downloading the SoapUI and opening it, we will get the following window:



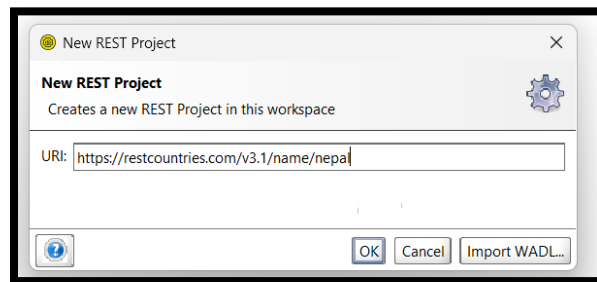
SoapUI supports Soap project and REST API project. We are going to test the REST API.

Step 2: Right click on the Project and we will get the following menu:



Click on the New REST project.

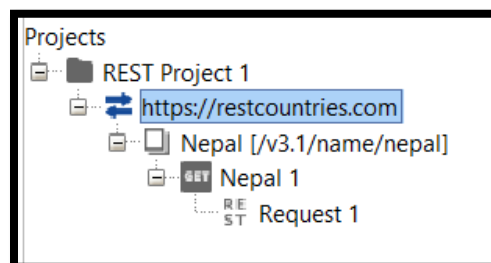
Step 3: After clicking on the New REST project, we will get the following popup:



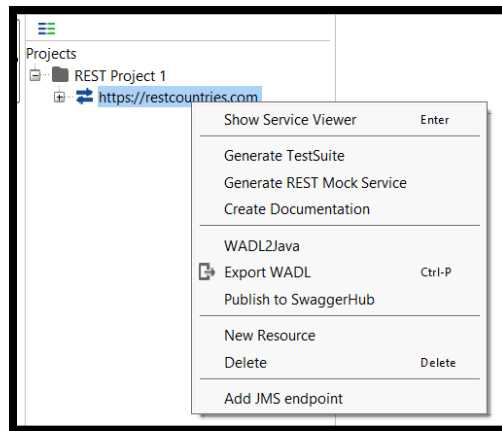
Here in the URI section, we will type the URL along with the end point and resources.

Step 4: After clicking on OK, we will get the following inside the project sections.

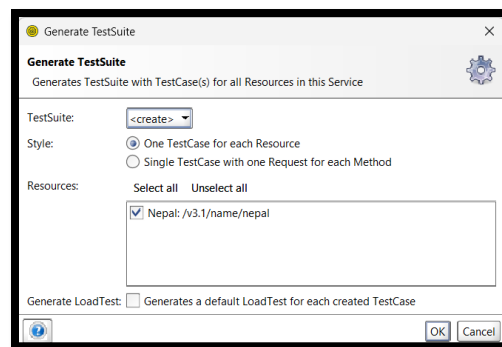
Highlighted text is the WADL (Web Application Description Language).



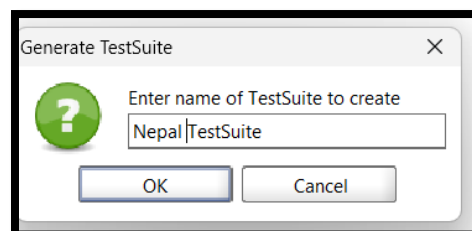
Step 5: To test the API right, click on the WADL. We will get the following menu:



Click on the “Generate TestSuite” option. After clicking on “Generate TestSuite” option following popup will come.

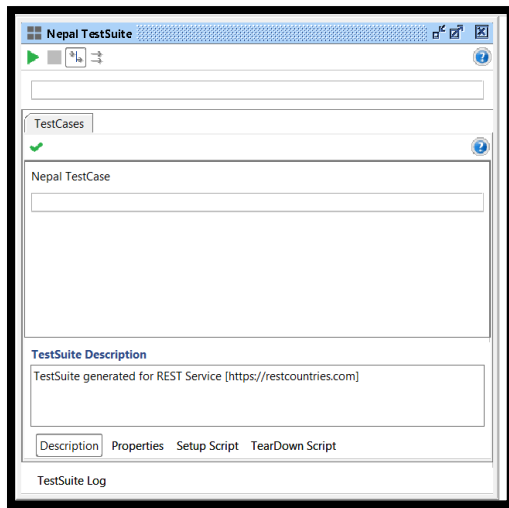


Click on OK and following popup will come where we have to give name to our test. After giving name to test click on OK.

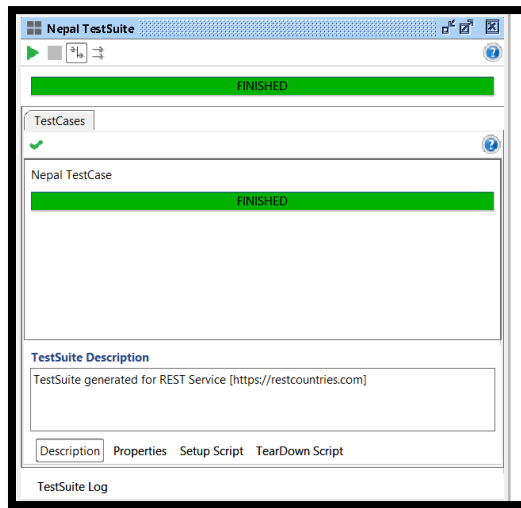


Step 6: We will get the following new window. Click on the play button to test for testing.

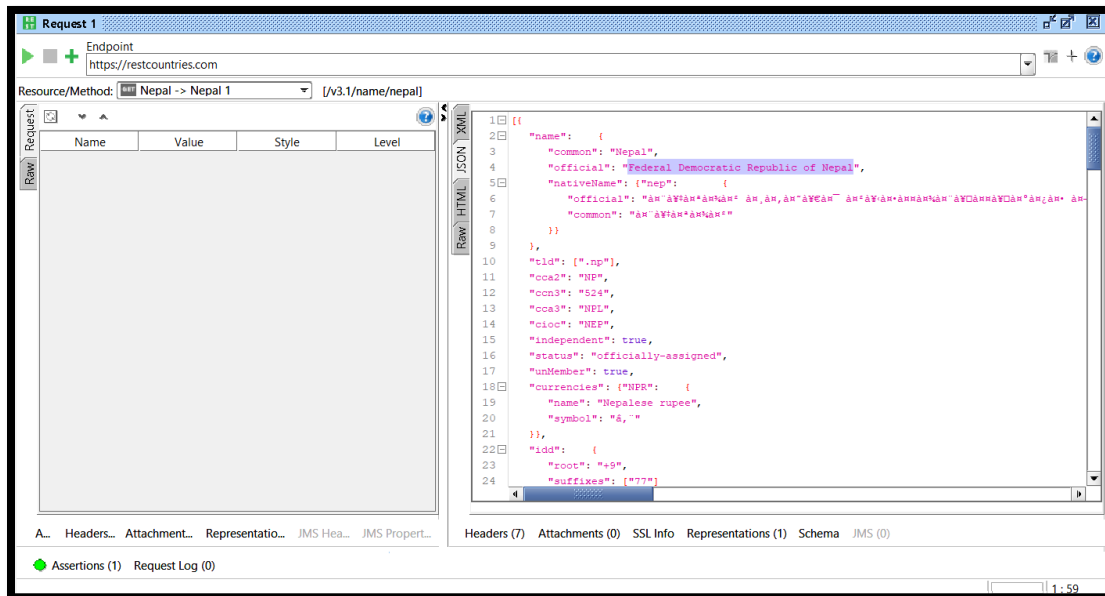
Before clicking on the play button



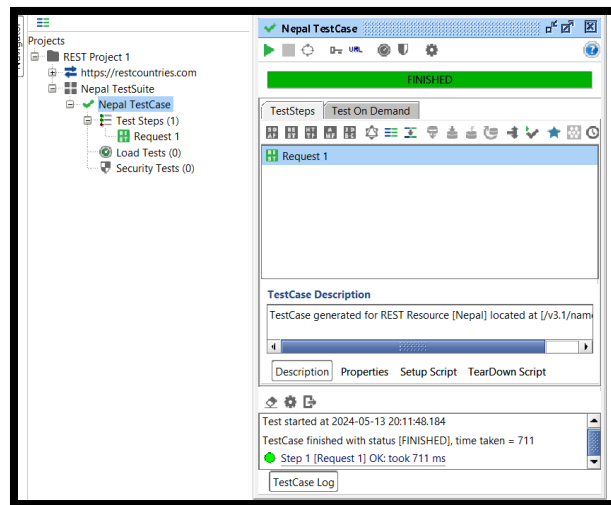
After clicking on the play button



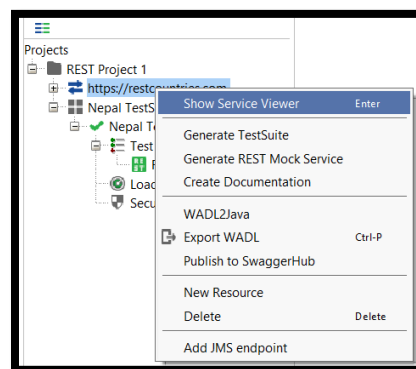
The FINISHED shows that the testing is complete and API is working well. Most of the REST API supports JSON file format. So, we will get the following output.



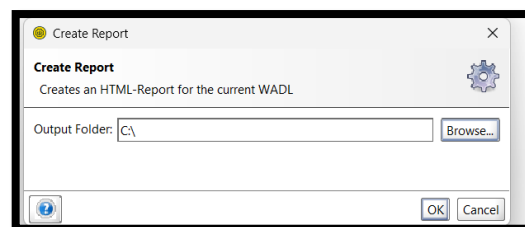
We can also do parallel testing. For the parallel testing the menu will look like the following.

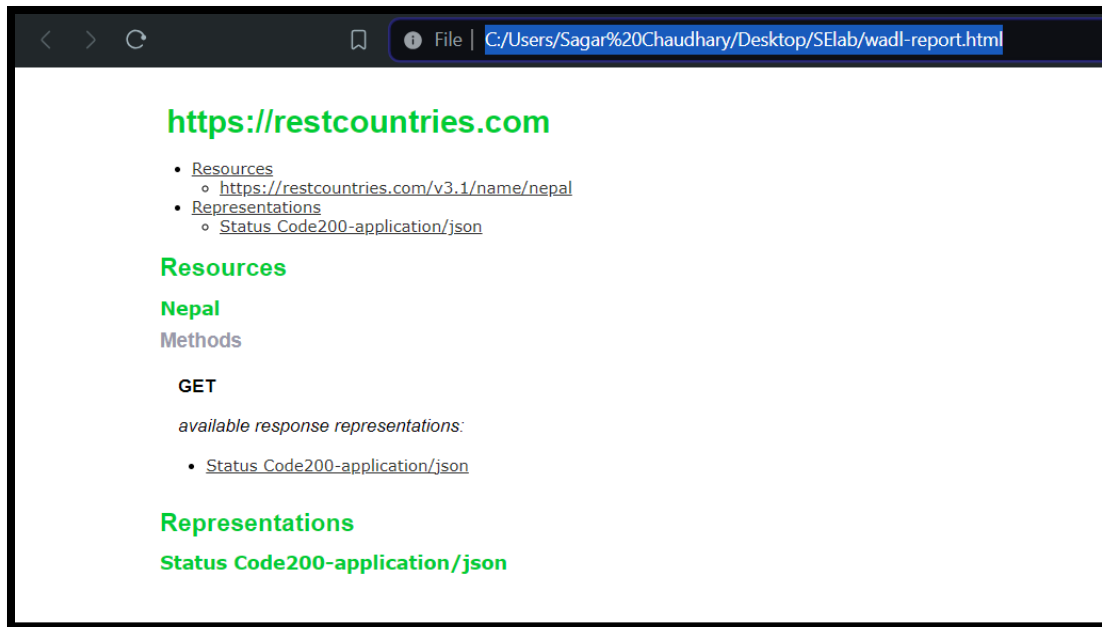


If we want to create documentation then we can right click on WADL. Then following menu will popup.



Click on the Create Documentation. Following popup will appear where we have to choose the path file for the documentation.





This is the documentation created. It is in html format.