

Web Services

Estimated time for completion: 45 minutes

Overview:

Implement REST service and access with WebRequest/Response.

Goals:

* Enter goal(s) for this lab.

Lab Notes:

Enter any special setup-issues etc for the lab..

Implement REST service

The code in the Before directory has 4 projects loaded in the solution, with the references already added.

Criteria:

* Enter criteria for the part here.

Notes:

* Enter any relevant notes for the part here.

Steps:

1. Add attributes to the contract in the project WebServiceContract. The goal is to access the methods with the URL <http://localhost:9000/Contact/Smith/Bob/Phone>. The first and last names are encoded in the URL string, and should be mapped to the method parameters.
   1. Use WebGet with UriTemplate to turn on REST support
2. Implement in the contract using the code in WebServiceImpl
3. Add the hosting code in the WebService project.
   1. Use WebServiceHost
   2. Pick a url for this service, for example: <http://localhost:9000/Contact>.
   3. Use the WebHttpBinding in the endpoint
4. Run the service. In a web browser, visit the URL and inspect the return result.

Implement web client

Write client code to access the REST service and print out the response value.

1. Use WebRequest to create a connection to the REST service.
2. Get the response stream. Use a StreamReader to convert it to text. Call ReadToEnd to get the entire response value. Print on the Console.