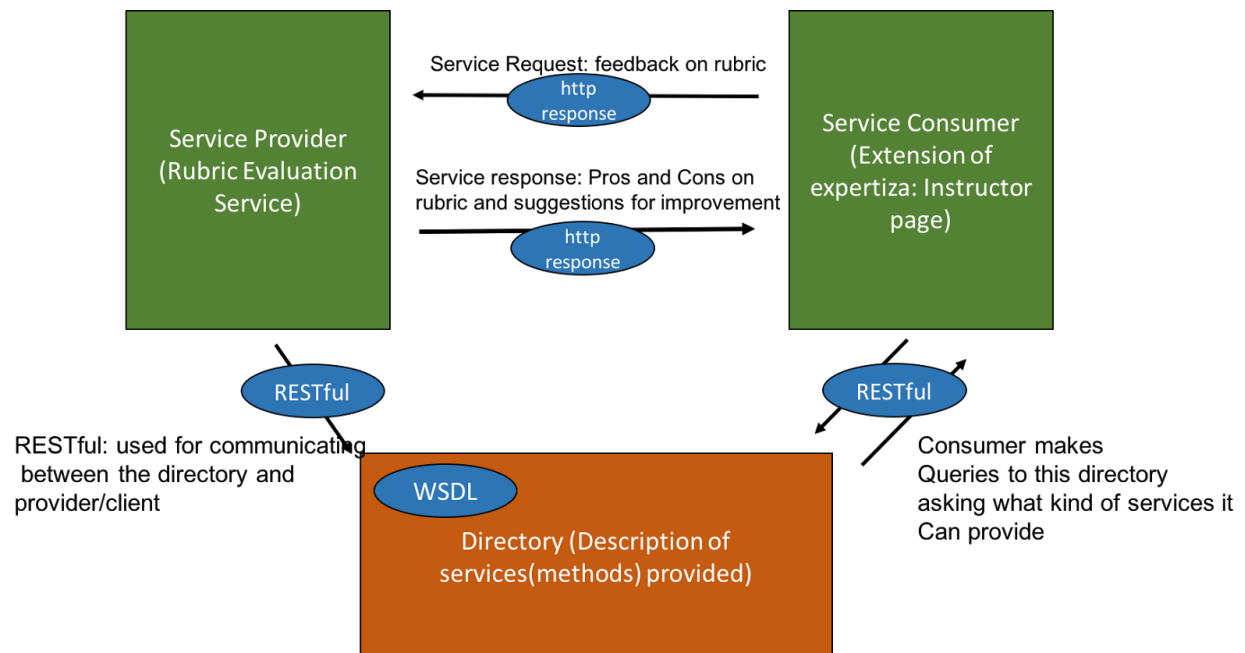


Rubric Analyser Web service

Web service is a framework of the conversation between service consumer and the service client.

Web services allows you to expose the functionality of your existing code over the network. Once it is exposed on the network, other application can use the functionality of your program. This enables communication between two parties as stated above, and this communication is platform and technology independent. For example, a VB or .NET application can talk to Java web services and vice versa.

The web service that I have designed is catered towards instructors/professors/teachers who would like their rubrics evaluated for effectiveness. It will return their request with the pros and cons of their rubric as well as suggestions for improvement (based on the research conclusions).



The service consumer (instructor/professor/teacher) will be entering their rubric criteria, in the given text boxes and also select appropriate tags that go with their question. There are five tags in total. For example, a question with the word “How” at the beginning, would be given the tag “How”. Rubric criteria that also aligns more with open ended style would also take the same tag. Questions that begin with “What” or questions that align with close ended questions would warrant the “What” tag. For questions that deal with asking for suggestions and improvements, the “Suggest” tag would have to be selected. Finally, the “Mechanics” deals with criteria that questions spelling, punctuation and grammar.

| |
|---|
| 1. What are the entry's strengths? |
| Tags: <input checked="" type="button" value="What"/> <input type="button" value="How"/> <input type="button" value="Suggest"/> <input type="button" value="Mechanics"/> |
| 2. Please comment on their usage of evidence to support their claims. |
| Tags: <input type="button" value="What"/> <input type="button" value="How"/> <input checked="" type="button" value="Suggest"/> <input type="button" value="Mechanics"/> |
| 3. Suggest an area in which they can improve upon. |
| Tags: <input type="button" value="What"/> <input type="button" value="How"/> <input checked="" type="button" value="Suggest"/> <input type="button" value="Mechanics"/> |
| 4. Is their punctuation and grammar correct? |
| Tags: <input type="button" value="What"/> <input type="button" value="How"/> <input type="button" value="Suggest"/> <input checked="" type="button" value="Mechanics"/> |
| 5. How well did they adhere to the project's guidelines? |
| Tags: <input type="button" value="What"/> <input checked="" type="button" value="How"/> <input type="button" value="Suggest"/> <input type="button" value="Mechanics"/> |

Once the instructors are done with their rubric, hitting the “Send” button would then communicate this information to the Service Provider which would be our webservice.

In the end of the service provider and WSDL, it will take in the information sent by the user and apply the research conclusions. It will specifically look at the tags that the instructor had marked for the question and come up with the appropriate conclusion. The final report may look like the following:

1. What are the entry's strengths?

Research suggests that flipping the tone of the question to negative would be more effective – switch strengths to weaknesses

2. Please comment on their usage of evidence to support their claims.

The phrase “please comment” has proved to be ineffective. Instead use “Suggest”

3. Suggest an area in which they can improve upon.

The keyword “Suggest” has been concluded to be a very effective imperative.

4. How correct is their punctuation and grammar?

Research suggests that flipping the tone of the question to negative would be more effective – switch correct to wrong

5. How well did they adhere to the project's guidelines?

For questions that are generally open-ended, it is recommended to provide hints. Please provide what constitutes to a good answer.

Once this final report is given to the user, they can choose to implement these changes and send in their revised rubric again, to receive further feedback. They can continue to do so until they have received completely green text feedback. This would indicate that they have implemented all the feedback from the web service and the rubric would be ready to be sent out.

There is immense scope for improvement as more data is collected and more instruction can be added into the WSDL and more statistical data can be reported to the user to support the conclusions.