Free Restful Project1

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Maven coordinates:

```xml
<dependency>
    <groupId>com.sun.jersey</groupId>
    <artifactId>jersey-bundle</artifactId>
    <version>1.18.1</version>
</dependency>
```

Annotations:

- `import javax.ws.rs.GET;`
- `import javax.ws.rs.Path;`

RestfulService1

```
@Path("/restfulService1")
public class RestfulService1
{

    @Path("getResponseAsString")
    @GET
    public String getResponseAsString()
    {
        return "OK";
    }

}
```

Web.xml

```xml
<servlet>
    <servlet-name>Jersey Web Application</servlet-name>
    <servlet-class>com.sun.jersey.spi.container.servlet.ServletContainer</servlet-class>
    <load-on-startup>1</load-on-startup>
</servlet>

<servlet-mapping>
    <servlet-name>Jersey Web Application</servlet-name>
    <url-pattern>/services/*</url-pattern>
</servlet-mapping>
```

RestfulServiceClient1

```
public class RestfulServiceClient1 {

    public static void main(String[] args) {
        String url = "http://localhost:8080/FreeRestfulProject1/services/restfulService1";
        ClientConfig clientConfig = new DefaultClientConfig();
        Client client = Client.create(clientConfig);
        WebResource webResource = client.resource(url);
        String response = webResource.path("getResponseAsString").get(String.class);
        System.out.println("Response:" + response);
    }

}
```

RestfulService2

```java
@Path("/restfulService2")
public class RestfulService2{

    @Path("getResponseXML")
    @GET
    @Produces(MediaType.APPLICATION_XML)
    public Response getResponseXML(){
        Response response = new Response();
        response.setResponseId(1);
        //TODO
        return response;
    }

}
```

RestfulServiceClient2

```
public class RestfulServiceClient2{


    public static void main(String[] args) {
        String url = "http://localhost:8080/FreeRestfulProject1/services/restfulService2";
        ClientConfig clientConfig = new DefaultClientConfig();
        clientConfig.getFeatures().put(ClientConfig.FEATURE_DISABLE_XML_SECURITY, true);
        Client client = Client.create(clientConfig);
        WebResource webResource = client.resource(url);
        Response response = webResource.path("getResponseXML").get(Response.class);
        System.out.println("Response id:" + response.getResponseId());
    }

}
```

RestfulService3

```
@Path("/restfulService3")
public class RestfulService3{

    @Path("postRequestJSONResponseString")
    @POST
    @Consumes(MediaType.APPLICATION_JSON)
    public String postRequestJSONResponseString(Request request) {
        //TODO
        return "OK";
    }

    @Path("postRequestJSONResponseXML")
    @POST
    @Consumes(MediaType.APPLICATION_JSON)
    @Produces(MediaType.APPLICATION_XML)
    public Response postRequestJSONResponseXML(Request request){
        Response response = new Response();
        response.setResponseId(1);
        //TODO
        return response;
    }
}
```

Maven coordinates:

```xml
<dependency>
    <groupId>org.codehaus.jackson</groupId>
    <artifactId>jackson-jaxrs</artifactId>
    <version>1.9.13</version>
</dependency>

<dependency>
    <groupId>org.codehaus.jackson</groupId>
    <artifactId>jackson-xc</artifactId>
    <version>1.9.13</version>
</dependency>
```

RestfulServiceClient3

```
public class RestfulServiceClient3{


    public static void main(String[] args)    {
        String url = "http://localhost:8080/FreeRestfulProject1/services/restfulService3";
        ClientConfig clientConfig = new DefaultClientConfig();
        clientConfig.getFeatures().put(ClientConfig.FEATURE_DISABLE_XML_SECURITY, true);
        clientConfig.getClasses().add(JacksonJsonProvider.class);
        Client client = Client.create(clientConfig);
        WebResource webResource = client.resource(url);

        Request request = new Request(1);
        String responseStr = webResource.path("postRequestJSONResponseString").type(MediaType.APPLICATION_JSON).post(String.class, request);
        System.out.println("Response:" + responseStr);

        request = new Request(2);
        Response response = webResource.path("postRequestJSONResponseXML").type(MediaType.APPLICATION_JSON).accept(MediaType.APPLICATION_XML).
post(Response.class, request);
        System.out.println("Response id: " + response.getResponseId());

    }

}
```