CS 548—Enterprise Software Architecture and Design
Assignment Eight—REST Web Service Client—Rubric

Testing (provided in videos) must demonstrate working of each operation defined below. Each testing video must include the student's name at the beginning.

Patient operations:
1. (10%) Adding a patient to the clinic. The operation takes a patient representation (with no links to treatments) and returns a new patient URI in the response header. The HTTP response code should be 201 ("Created"), with the URI for the new patient resource in the `Location` response header.
   `POST /clinic-rest/resources/patient`
2. (10%) Obtaining a single patient representation, given a patient resource URI. An HTTP response code of 404 ("Not found") occurs if there is no patient for the specified URI. Remember that a patient representation should provide links (URIs) to the treatments for that patient.
   `GET /clinic-rest/resources/patient/id`
3. (10%) Obtaining a single patient representation, given a patient identifier. An HTTP response code of 404 ("Not found") occurs if there is no patient for the specified patient identifier. Remember that a patient representation should provide links (URIs) to the treatments for that patient.
   `GET /clinic-rest/resources/patient/byPatientId?id=id`
4. (10%) Obtaining a single treatment representation, from a treatment sub-resource of a patient, given a treatment resource URI. An HTTP response code of 404 ("Not found") occurs if there is no patient for the specified patient identifier. Remember that a patient representation should provide links (URIs) to the treatments for that patient.
   `GET /clinic-rest/resources/patient/id/treatments/tid`

Provider operations:
1. (10%) Adding a provider to the clinic. The operation takes a provider representation (with no links to treatments) and returns a new provider URI in the response header. The HTTP response code should be 201 ("Created"), with the URI for the new provider resource in the `Location` response header. Remember that the provider representation should contain links (URIs) to the treatments supervised by this provider.
   `POST /clinic-rest/resources/provider`
2. (10%) Obtaining a single provider representation, given a provider NPI.
   `GET /clinic-rest/resources/provider/byNPI?id=npi`
   An HTTP response code of 404 ("Not found") occurs if there is no provider for the specified NPI.
3. (10%) Obtaining a single provider representation, given a provider key.
   `GET /clinic-rest/resources/provider/id`
   An HTTP response code of 404 ("Not found") occurs if there is no provider for the specified URI.
4. (10%) Adding a treatment for a patient treated by this provider.
5. (10%) Getting a treatment administered by this provider:

```
GET /clinic-rest/resources/provider/id/treatments/tid
```

Report: 10%