

ASSINMENT6
RAJAT KINKHABWALA

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<schema targetNamespace="http://cs548.stevens.edu/clinic/service/dto/util"
  elementFormDefault="unqualified"
  xmlns="http://www.w3.org/2001/XMLSchema"
  xmlns:tns="http://cs548.stevens.edu/clinic/service/dto/util"
  attributeFormDefault="unqualified"
  xmlns:jaxb="http://java.sun.com/xml/ns/jaxb"
  jaxb:version="2.0">

  <annotation>
    <appinfo>
      <jaxb:globalBindings>
        <jaxb:javaType
          name="java.util.Date"
          xmlType="date"

          parseMethod="edu.stevens.cs548.clinic.service.dto.util.DateAdapter.parseDate"

          printMethod="edu.stevens.cs548.clinic.service.dto.util.DateAdapter.printDate"
        />
      </jaxb:globalBindings>
    </appinfo>
  </annotation>

  <element name="patient-dto">
    <complexType>
      <sequence>
        <element name="id" type="long" />
        <element name="patient-id" type="long" />
        <element name="name" type="string" />
        <element name="dob" type="date" />
        <element name="age" type="int" />
        <element name="treatments" type="long" nillable="true"
          minOccurs="0" maxOccurs="unbounded" />
      </sequence>
    </complexType>
  </element>

  <element name="treatment-dto">
    <complexType>
      <sequence>
        <element name="id" type="long"/>
        <element name="diagnosis" type="string"/>
        <element name="patient" type="long"/>
      </sequence>
    </complexType>
  </element>
</schema>
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```
<element name="provider" type="long"/>
<!-- Use choice element to add treatment-specific information -->
<!-- Define complex types for treatment types below. -->
<choice>
  <element name="drug-treatment"
    type="tns:DrugTreatmentType" />
  <element name="radiology" type="tns:RadiologyType" />
  <element name="surgery" type="tns:SurgeryType" />
</choice>
</sequence>
</complexType>
</element>

<complexType name="SurgeryType">
  <sequence>
    <element name="date" type="date"/>
  </sequence>
</complexType>
<complexType name="RadiologyType">
  <sequence>
    <element maxOccurs="unbounded" name="date" type="date"/>
  </sequence>
</complexType>
<complexType name="DrugTreatmentType">
  <sequence>
    <element name="name" type="string"/>
    <element name="dosage" type="float"/>
  </sequence>
</complexType>

  <element name="provider-dto">
    <complexType>
      <sequence>
        <element name="id" type="long" />
        <element name="name" type="string" />
        <element name="npi" type="long" />
        <element name="specialization" type="string" />
        <element name="treatments" type="long" nillable="true"
          minOccurs="0" maxOccurs="unbounded" />
      </sequence>
    </complexType>
  </element>
</schema>
```