Exercises

Exercise 1

Declare the elements used in the following XML document, movie.xml, in an XML schema:

The movie ID should begin with the letter M, followed by three digits.

(Note: The movie.xml file will be provided to you.)

Exercise 2

The following XML schema, reservation.xsd contains the definition for the structure of an XML file that contains information about airline reservations. However, the schema contains errors. Rectify the errors in the schema, and create an XML file that conforms to the rules specified in this document.

```
<xsd:element</pre>
            name="RESERVATION"
                                    type="res"/>
</xsd:sequence>
</xsd:complexType>
<xsd:complexType name="res">
   <xsd:sequence>
      <xsd:element name="FROM"</pre>
                                       type="fromdef"/>
      <xsd:element name="TO"</pre>
                                     type="fromdef"/>
      <xsd:element name="FARE"</pre>
                                       type="xsd:positiveInteger"/>
                                       type="xsd:date"/>
      <xsd:element name="DATE"</pre>
                                       type="classdef"/>
      <xsd:element</pre>
                      name="CLASS"
   </xsd:sequence>
</xsd:complexType>
<xsd:simpleType name="fromdef">
   <xsd:restriction base="xsd:string">
```

Exercise 3

CyberShoppe has an e-commerce site to promote and market its products. The site also offers e-mail services to its online customers. You have been asked to develop an XML application that stores the account information of all customers. Customer account information includes the e-mail and address book details.

The e-mail details include the following Inbox details of each account holder, as shown in the following table.

Category	Values
Mail type	Mail or News
From	Sender's mail 1D
Sulject	Sulject of the mail
Date cf receipt	Date on which the mail is received
Size	Size cf the mail in bytes
Priority	High, Low, or Medium

Inbox Details

The address book stores details, such as name, nickname, and e-mail address.

You have to create a schema and an XML document for this task.