

<?xml version="1.0" encoding="UTF-8"?>

<!ELEMENT accrediti (accredito*)>

<!ELEMENT accredito (data, idUtente, quantita)>

<!ATTLIST accredito
id ID #REQUIRED>

<!ELEMENT data (#PCDATA)>

<!ELEMENT idUtente (#PCDATA)>

<!ELEMENT quantita (#PCDATA)>

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!ELEMENT categorie (categoria*)>
```

```
<!ELEMENT categoria (nome)>
```

```
<!ATTLIST categoria  
  id ID #REQUIRED>
```

```
<!ELEMENT nome (#PCDATA)>
```

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT domande (domanda*)>

<!ELEMENT domanda (idProdotto, contenuto, ratings, risposte, data)>
<!ATTLIST domanda
    id ID #REQUIRED
    idUtente CDATA #REQUIRED>

<!ELEMENT risposte (risposta*)>

<!ELEMENT risposta (idUtente, contenuto, ratings, data)>
<!ATTLIST risposta
    id ID #REQUIRED>

<!ELEMENT ratings (rating*)>

<!ELEMENT rating (supporto, utilita)>
<!ATTLIST rating
    idUtente CDATA #REQUIRED>

<!ELEMENT idUtente (#PCDATA)>
<!ELEMENT idProdotto (#PCDATA)>
<!ELEMENT contenuto (#PCDATA)>
<!ELEMENT data (#PCDATA)>
<!ELEMENT supporto (#PCDATA)>
<!ELEMENT utilita (#PCDATA)>
```

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<!ELEMENT faqs (faq*)>
```

```
<!ELEMENT faq (domanda, risposta)>
```

```
<!ATTLIST faq  
    id ID #REQUIRED>
```

```
<!ELEMENT domanda (#PCDATA)>
```

```
<!ELEMENT risposta (#PCDATA)>
```

<?xml version="1.0" encoding="UTF-8"?>

<!ELEMENT offerte (offerta*)>

<!ELEMENT offerta (tipo, percentuale, numCrediti, target, creditiSpesi, dataInizio, reputazione, anni, idProdotto, idCategoria, quantitaMin)>

<!ATTLIST offerta

id ID #REQUIRED>

<!ELEMENT tipo (#PCDATA)>

<!ELEMENT percentuale (#PCDATA)>

<!ELEMENT numCrediti (#PCDATA)>

<!ELEMENT target (#PCDATA)>

<!ELEMENT creditiSpesi (#PCDATA)>

<!ELEMENT dataInizio (#PCDATA)>

<!ELEMENT reputazione (#PCDATA)>

<!ELEMENT anni (#PCDATA)>

<!ELEMENT idProdotto (#PCDATA)>

<!ELEMENT idCategoria (#PCDATA)>

<!ELEMENT quantitaMin (#PCDATA)>

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT ordini (ordine*)>

<!ELEMENT ordine (data, indirizzo, prezzoFinale, prodotti)>
<!ATTLIST ordine
    id          ID #REQUIRED
    idUtente    CDATA #REQUIRED>

<!ELEMENT prodotti (prodotto*)>

<!ELEMENT prodotto>
<!ATTLIST prodotto
    id          ID #REQUIRED
    quantita    CDATA #REQUIRED>

<!ELEMENT data      (#PCDATA)>
<!ELEMENT indirizzo (#PCDATA)>
<!ELEMENT prezzoFinale (#PCDATA)>
```

<?xml version="1.0" encoding="UTF-8"?>

<!ELEMENT prodotti (prodotto*)>

<!ELEMENT prodotto (marca, nome, descrizione, costo, categoria, quantita)>

<!ATTLIST prodotto

id ID #REQUIRED>

<!ELEMENT marca (#PCDATA)>

<!ELEMENT nome (#PCDATA)>

<!ELEMENT descrizione (#PCDATA)>

<!ELEMENT costo (#PCDATA)>

<!ELEMENT categoria (#PCDATA)>

<!ELEMENT quantita (#PCDATA)>

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT recensioni (recensione*)>

<!ELEMENT recensione (idUtente, contenuto, ratings, data)>
<!ATTLIST recensione
    id          ID #REQUIRED
    idProdotto  CDATA #REQUIRED>

<!ELEMENT ratings (rating*)>

<!ELEMENT rating (supporto, utilita)>
<!ATTLIST rating
    idUtente  CDATA #REQUIRED>

<!ELEMENT contenuto    (#PCDATA)>
<!ELEMENT data          (#PCDATA)>
<!ELEMENT supporto      (#PCDATA)>
<!ELEMENT utilita        (#PCDATA)>
```


<?xml version="1.0" encoding="UTF-8"?>

<!ELEMENT utenti (utente*)>

<!ELEMENT utente (attivo, nome, cognome, telefono, indirizzo, codiceFiscale, credito, reputazione, password, dataRegistrazione, carrello)>

<!ATTLIST utente

id ID #REQUIRED

email CDATA #REQUIRED

tipo CDATA #REQUIRED>

<!ELEMENT attivo (#PCDATA)>

<!ELEMENT nome (#PCDATA)>

<!ELEMENT cognome (#PCDATA)>

<!ELEMENT telefono (#PCDATA)>

<!ELEMENT indirizzo (#PCDATA)>

<!ELEMENT codiceFiscale (#PCDATA)>

<!ELEMENT credito (#PCDATA)>

<!ELEMENT reputazione (#PCDATA)>

<!ELEMENT password (#PCDATA)>

<!ELEMENT dataRegistrazione (#PCDATA)>

<!ELEMENT carrello (prodotto*)>

<!ELEMENT prodotto>

<!ATTLIST prodotto

id ID #REQUIRED

quantita CDATA #REQUIRED>

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:acc="http://www.lweb.uni/tesina-rcstore/accrediti/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/accrediti/">

  <xsd:element name="accrediti">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="acc:accredito" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="accredito">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="acc:data" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="acc:idUtente" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="acc:quantita" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="data" type="xsd:dateTime" />
  <xsd:element name="idUtente" type="xsd:positiveInteger" />
  <xsd:element name="quantita" type="xsd:decimal" />

</xsd:schema>
```

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:cat="http://www.lweb.uni/tesina-rcstore/categorie/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/categorie/">

  <xsd:element name="categorie">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="cat:categoria" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="categoria">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="cat:nome" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="nome" type="xsd:string" />

</xsd:schema>
```

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:dom="http://www.lweb.uni/tesina-rcstore/domande/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/domande/">

  <xsd:element name="domande">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="dom:domanda" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="domanda">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="dom:idUtente" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:contenuto" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:data" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:ratings" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:risposte" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
      <xsd:attribute name="idProdotto" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="risposte">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="dom:risposta" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="risposta">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="dom:idUtente" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:contenuto" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:data" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:ratings" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ratings">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="dom:rating" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="rating">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="dom:supporto" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="dom:utilita" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="idUtente" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>
</xsd:schema>
```

</xsd:element>

```
<xsd:element name="data"           type="xsd:date" />
<xsd:element name="idUtente"       type="xsd:positiveInteger" />
<xsd:element name="contenuto"       type="xsd:string" />
<xsd:element name="supporto"        type="xsd:integer" />
<xsd:element name="utilita"         type="xsd:integer" />
```

</xsd:schema>

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:faq="http://www.lweb.uni/tesina-rcstore/faq/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/faq/">

  <xsd:element name="faqs">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="faq:faq" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="faq">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="faq:domanda" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="faq:risposta" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="domanda" type="xsd:string" />
  <xsd:element name="risposta" type="xsd:string" />

</xsd:schema>
```

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:off="http://www.lweb.uni/tesina-rcstore/offerte/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/offerte/">

  <xsd:element name="offerte">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="off:offerta" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="offerta">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="off:tipo" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="off:percentuale" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:numCrediti" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:target" minOccurs="1" maxOccurs="1" />

        <xsd:element ref="off:creditiSpesi" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:dataInizio" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:reputazione" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:anni" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:idProdotto" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:idCategoria" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="off:quantitaMin" minOccurs="0" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="tipo" type="xsd:string" />
  <xsd:element name="percentuale" type="xsd:positiveInteger" />
  <xsd:element name="numCrediti" type="xsd:decimal" />
  <xsd:element name="target" type="xsd:string" />

  <xsd:element name="creditiSpesi" type="xsd:decimal" />
  <xsd:element name="dataInizio" type="xsd:date" />
  <xsd:element name="reputazione" type="xsd:positiveInteger" />
  <xsd:element name="anni" type="xsd:positiveInteger" />
  <xsd:element name="idProdotto" type="xsd:positiveInteger" />
  <xsd:element name="idCategoria" type="xsd:positiveInteger" />
  <xsd:element name="quantitaMin" type="xsd:positiveInteger" />

</xsd:schema>
```

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:ord="http://www.lweb.uni/tesina-rcstore/ordini/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/ordini/">

  <xsd:element name="ordini">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="ord:ordine" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ordine">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="ord:data" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="ord:indirizzo" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="ord:prezzoFinale" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="ord:prodotti" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
      <xsd:attribute name="idUtente" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="prodotti">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="ord:prodotto" minOccurs="1" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="prodotto">
    <xsd:complexType>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
      <xsd:attribute name="quantita" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="data" type="xsd:dateTime" />
  <xsd:element name="indirizzo" type="xsd:string" />
  <xsd:element name="prezzoFinale" type="xsd:decimal" />

</xsd:schema>
```



```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:prod="http://www.lweb.uni/tesina-rcstore/prodotti/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/prodotti/">

  <xsd:element name="prodotti">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="prod:prodotto" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="prodotto">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="prod:marca" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="prod:nome" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="prod:descrizione" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="prod:costo" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="prod:categoria" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="prod:quantita" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="marca" type="xsd:string" />
  <xsd:element name="nome" type="xsd:string" />
  <xsd:element name="descrizione" type="xsd:string" />
  <xsd:element name="costo" type="xsd:decimal" />
  <xsd:element name="categoria" type="xsd:positiveInteger" />
  <xsd:element name="quantita" type="xsd:nonNegativeInteger" />

</xsd:schema>
```

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:rec="http://www.lweb.uni/tesina-rcstore/recensioni/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/recensioni/">

  <xsd:element name="recensioni">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="rec:recensione" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="recensione">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="rec:idUtente" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="rec:contenuto" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="rec:data" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="rec:ratings" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="ratings">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="rec:rating" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="rating">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="rec:supporto" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="rec:utilita" minOccurs="1" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="idUtente" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="idUtente" type="xsd:positiveInteger" />
  <xsd:element name="data" type="xsd:date" />
  <xsd:element name="contenuto" type="xsd:string" />
  <xsd:element name="supporto" type="xsd:integer" />
  <xsd:element name="utilita" type="xsd:integer" />

</xsd:schema>
```

```
<?xml version="1.0" encoding="UTF-8" ?>
<xsd:schema
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:ut="http://www.lweb.uni/tesina-rcstore/utenti/"
  targetNamespace="http://www.lweb.uni/tesina-rcstore/utenti/">

  <xsd:element name="utenti">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="ut:utente" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="utente">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="ut:attivo" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="ut:nome" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="ut:cognome" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="ut:telefono" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="ut:indirizzo" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="ut:codiceFiscale" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="ut:credito" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="ut:reputazione" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="ut:password" minOccurs="1" maxOccurs="1" />
        <xsd:element ref="ut:dataRegistrazione" minOccurs="0" maxOccurs="1" />
        <xsd:element ref="ut:carrello" minOccurs="0" maxOccurs="1" />
      </xsd:sequence>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
      <xsd:attribute name="email" type="xsd:string" use="required" />
      <xsd:attribute name="tipo" type="xsd:string" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="carrello">
    <xsd:complexType>
      <xsd:sequence>
        <xsd:element ref="ut:prodotto" minOccurs="0" maxOccurs="unbounded" />
      </xsd:sequence>
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="prodotto">
    <xsd:complexType>
      <xsd:attribute name="id" type="xsd:positiveInteger" use="required" />
      <xsd:attribute name="quantita" type="xsd:positiveInteger" use="required" />
    </xsd:complexType>
  </xsd:element>

  <xsd:element name="attivo" type="xsd:boolean" />
  <xsd:element name="nome" type="xsd:string" />
  <xsd:element name="cognome" type="xsd:string" />
  <xsd:element name="telefono" type="xsd:string" />
  <xsd:element name="indirizzo" type="xsd:string" />
  <xsd:element name="codiceFiscale" type="xsd:string" />
  <xsd:element name="credito" type="xsd:decimal" />
  <xsd:element name="reputazione" type="xsd:integer" />
  <xsd:element name="password" type="xsd:string" />
  <xsd:element name="dataRegistrazione" type="xsd:date" />

</xsd:schema>
```