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<xsd:schema targetNamespace="http://www.dla-marbach.de/metadaten/dla" elementFormDefault="qualified" attributeFormDefault="unqualified"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:mets="http://www.loc.gov/METS/"
xmlns:mods="http://www.loc.gov/mods/v3"
xmlns:premis="info:lc/xmlns/premis-v2"
xmlns:rmg="http://www.cdlib.org/inside/diglib/copyrightMD"
xmlns:xlink="http://www.w3.org/1999/xlink"
xmlns:dla="http://www.dla-marbach.de/metadaten/dla">
<!-- Import xlink -->
<xsd:import namespace="http://www.w3.org/1999/xlink" schemaLocation="http://www.loc.gov/standards/xlink/xlink.xsd"/>
<!-- Import XML Schema -->
<xsd:import namespace="http://www.w3.org/2001/XMLSchema" schemaLocation="http://www.w3.org/2001/XMLSchema.xsd"/>
<!-- Import METS -->
<xsd:import namespace="http://www.loc.gov/METS/" schemaLocation="http://www.loc.gov/standards/mets/version110/mets.xsd"/>
<!-- Import MODS -->
<xsd:import namespace="http://www.loc.gov/mods/v3" schemaLocation="http://www.loc.gov/standards/mods/v3/mods-3-5.xsd"/>
<!-- Import PREMIS -->
<xsd:import namespace="info:lc/xmlns/premis-v2" schemaLocation="http://www.loc.gov/standards/premis/v2/premis-v2-2.xsd"/>
<!-- Import RMG Copyright -->
<xsd:import namespace="http://www.cdlib.org/inside/diglib/copyrightMD" schemaLocation="http://www.cdlib.org/groups/rmg/docs/copyrightMD.xsd"/>
<!-- Definition of the METS root element-->
<xsd:element name="mets" type="mets:metsType"/>
<!-- Definition of the MODS elements -->
<!-- <xsd:element name="mods" type="dla:modsComplexType"/> -->
<xsd:element name="mods" type="mods:modsDefinition"/>
<!-- Definition of the rmg:copyright section to be used in the mods:accessCondition section, which serves as a container -->
<xsd:complexType name="copyrightComplexType">
  <xsd:sequence>
    <xsd:element name="rights.holder" type="dla:rights.holderComplexType"/>
  </xsd:sequence>
</xsd:complexType>
<xsd:complexType name="rights.holderComplexType">
  <xsd:sequence>
    <xsd:element name="name" type="xsd:string"/>
  </xsd:sequence>
</xsd:complexType>
<!-- Definition of the PREMIS elements, to be used in the amdSec ID=techMD -->
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<xsd:element name="object" type="dla:objectComplexType"/>
<!-- Definition of the basic PREMIS elements for different types-->
<xsd:complexType name="objectComplexType">
  <xsd:sequence>
    <xsd:element name="representation" type="dla:representationComplexType" maxOccurs="unbounded"/>
    <xsd:element name="file" type="dla:premisfileComplexType" maxOccurs="unbounded"/>
    <!-- <xsd:element name="bitstream" type="dla:bitstreamComplexType" minOccurs="0" maxOccurs="unbounded"/> -->
  </xsd:sequence>
  <xsd:attribute name="type" type="dla:repType"/>
</xsd:complexType>
<!-- Definition of the representation types -->
<xsd:simpleType name="repType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="source code" />
    <xsd:enumeration value="screencast" />
    <xsd:enumeration value="screenshot" />
    <xsd:enumeration value="crawl" />
  </xsd:restriction>
</xsd:simpleType>
<!-- Definition of the PREMIS elements for representations -->
<xsd:complexType name="representationComplexType">
  <xsd:sequence>
    <xsd:element name="objectIdentifier" type="premis:objectIdentifierComplexType" maxOccurs="unbounded"/>
    <xsd:element name="objectCategory" type="xsd:string" fixed="representation"/>
    <xsd:element name="environment" type="dla:environmentComplexType" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="relationship" type="premis:relationshipComplexType" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
<!-- Definition of the PREMIS elements for files -->
<xsd:complexType name="premisfileComplexType">
  <xsd:sequence>
    <xsd:element name="objectIdentifier" type="premis:objectIdentifierComplexType" maxOccurs="unbounded"/>
    <xsd:element name="objectCategory" type="xsd:string" fixed="file"/>
    <xsd:element name="objectCharacteristics" type="premis:objectCharacteristicsComplexType" maxOccurs="unbounded"/>
    <xsd:element name="storage" type="premis:storageComplexType" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="relationship" type="premis:relationshipComplexType" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
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</xsd:complexType>
<!-- Definition of the PREMIS elements for objectCategory -->
<!-- <xsd:simpleType name="objectCategoryComplexType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="representation"/>
    <xsd:enumeration value="file"/>
  </xsd:restriction>
</xsd:simpleType -->
<!-- Definition of the PREMIS elements for environment -->
<xsd:complexType name="environmentComplexType">
  <xsd:sequence>
    <xsd:element name="environmentCharacteristics" type="xsd:string"/>
    <xsd:element name="environmentPurpose" type="xsd:string"/>
    <xsd:element name="software" type="dla:softwareComplexType" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element name="hardware" type="dla:hardwareComplexType" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
<!-- Definition of the PREMIS elements for software -->
<xsd:complexType name="softwareComplexType">
  <xsd:sequence>
    <xsd:element name="swName" type="xsd:string"/>
    <xsd:element name="swManufacturer" type="xsd:string"/>
    <xsd:element name="swVersion" type="xsd:string"/>
    <xsd:element name="swType" type="xsd:string"/>
    <xsd:element name="swDependency" type="xsd:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
<!-- Definition of the PREMIS elements for hardware -->
<xsd:complexType name="hardwareComplexType">
  <xsd:sequence>
    <xsd:element name="hwName" type="xsd:string"/>
    <xsd:element name="hwManufacturer" type="xsd:string"/>
    <xsd:element name="hwVersion" type="xsd:string" minOccurs="0"/>
    <xsd:element name="hwType" type="xsd:string"/>
    <xsd:element name="hwOtherInformation" type="xsd:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
</xsd:complexType>
</xsd:schema>
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