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Name
Specifications and Description Document

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Joel Farrell, IBM, Chair of the MedBiquitous Consortium Technical Steering Committee, and Scott Hinkelman, IBM, Web Services Technology Architect for the MedBiquitous Consortium have contributed their expertise to ensure that this specification is well-designed and interoperable with related industry standards.

Other XML schema were reviewed in the creation of this schema, specifically the HR-XML Person Name Schema and Specification. For more information, visit http://ns.hr-xml.org/2_0/HR-XML-2_0/CPO/PersonName.pdf.

Introduction

This document describes the MedBiquitous Name XML Schema in detail. It is intended for use by any one who wants to exchange person name information based on this specification. The status of the document is indicated at the bottom of the page; draft documents are subject to review and approval through the MedBiquitous ANSI-accredited process (see http://medbiq.org/working_groups/consortium_process/MedBiquitousANSIProcess.pdf).

The objective of this Name Schema is to provide a data structure that allows one to represent a person name in a standard format. It can be used alone or imported into other XML schema that must represent person names. It is designed to be highly reusable.

Name data is essential to professional societies, certifying boards, licensing boards, universities, and industry partners and is often exchanged among these entities for many purposes. A standard format for this data will simplify business processes for these organizations and could reduce administrative costs as well.

We encourage the use of this schema within other schema.

Documentation Conventions

This document uses the following conventions.

Documentation Conventions

Convention	Description
`monospaced type`	Sample XML tags, code, schema, or portion thereof
BoldText	When used with an XML tag name, indicates that the element contains sub-elements
Italicized Text	When used in an XML tag description, an attribute of the XML tag.
Tag description	Shading indicated that the tag is further described in a later part of the document

The following graphical standards are used for the XML diagrams in this document.
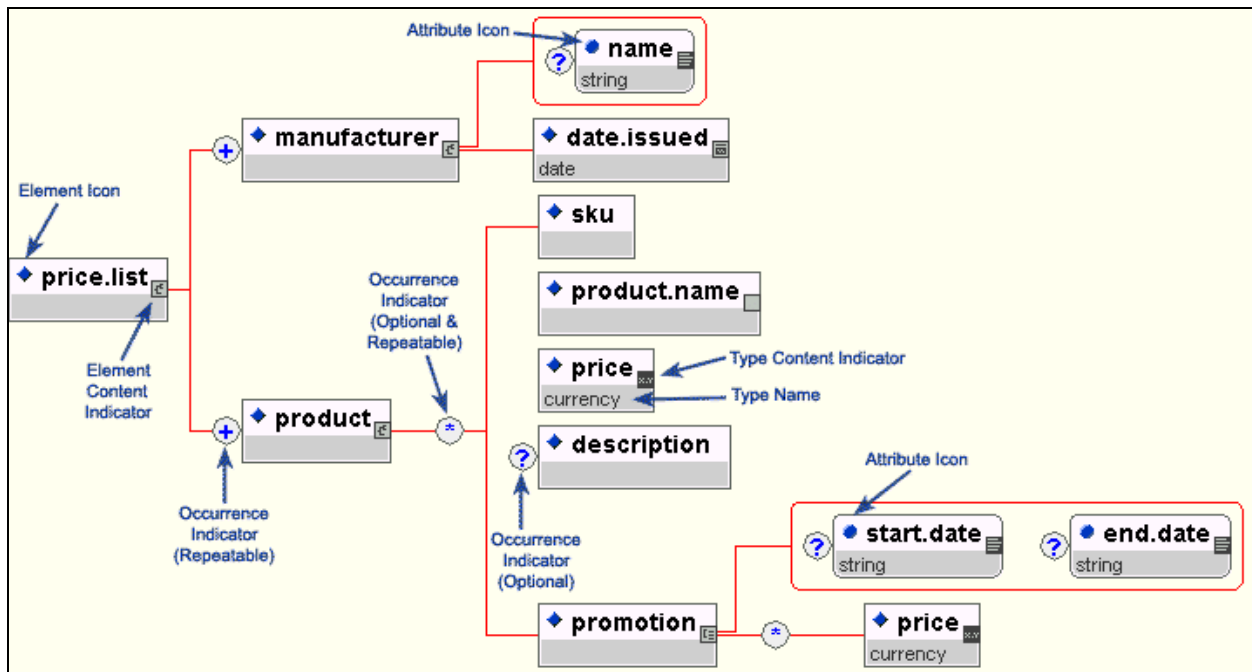
Graphical Standards from TIBCO's Turbo XML, Copyright TIBCO Software Inc.

Data Elements and Types

The Name schema includes the following data elements.

1. Name
2. FormattedName
3. Title
4. GivenName
5. FamilyName
6. GenerationIdentifier
7. Degree
8. Alias
9. FormerName

Name Schema Grammar

The following sections explain the Name schema grammar. Values in bold under XML Tags column indicate that the element has sub-elements.

The XML schema is available online at http://ns.medbiq.org/name/v1/.

Datatypes not otherwise defined in the document, such as date, refer to datatypes defined within the XML 1.0 technical specification. For information on these datatypes, see the W3C Extensible Markup Language (XML) 1.0 (Fourth Edition).

1 Name

Name is the root element of the schema. It contains subelements that define a single individual's name.
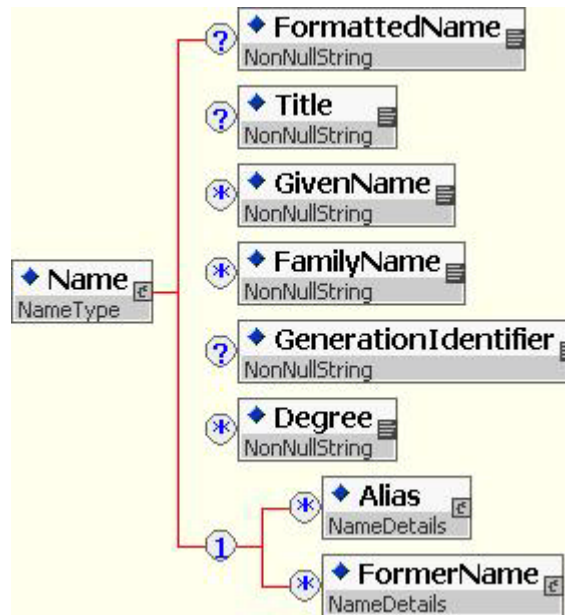

Name Information

Element	Description	Required	Multiplicity	Datatype
Name	Name is the root element. It contains sub-elements that define a person's name in detail.	Required	1	Container
FormattedName	FormattedName is the subelement of Name. It defines an individual's name with all components in the proper order. FormattedName takes into	Optional	0 or 1	Non-null String

| Element	Description	Required	Multiplicity	Datatype
	account cultural issues regarding order that are not addressed by name components (first name, middle name, family name) alone.			
Title	Title is the subelement of Name. It defines a title of courtesy, honorific title, or professional title to be used with the individual's name. For example, Mr., Ms., Professor.	Optional	0 or 1	Non-null String
GivenName	GivenName is the subelement of Name. It defines a person's first name or given name. For example, John. If there are multiple occurrences, the order is implied by the order of appearance. For example, a middle name may be represented as a second given name.	Optional	0 or more	Non-null String
FamilyName	FamilyName is the subelement of Name. It defines a person's last name or family name. If there are multiple occurrences, the order is implied by the order of appearance. If an individual has one name only, use FamilyName to indicate that name.	Optional	0 or more	Non-null String
GenerationIdentifier	GenerationIdentifier is the subelement of Name. It distinguishes family members with the same name. For example, Jr, Sr., III.	Optional	0 or 1	Non-null String
Degree	Degree is the subelement of Name. It defines degree abbreviations to be appended to a person's name. For example, MD, PhD, and RN.	Optional	0 or more	Non-null String
Alias	Alias is the subelement of Name. It defines an additional name by which the person is known.	Optional	0 or more	Container
FormerName	FormerName is the subelement of Name. It defines a previous name, such as a maiden name.	Optional	0 or more	Container

2   Alias

Alias is the subelement of Name. It defines an additional name by which the person is known.
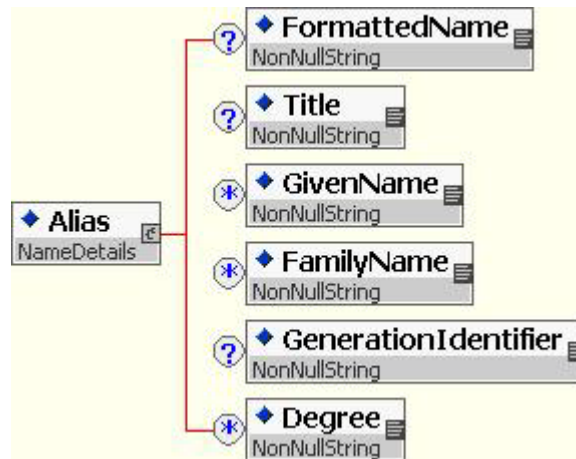
For descriptions of the Alias subelements, see the Name section.

3   FormerName

FormerName is a subelement of the root element Name. FormerName defines a previous name, such as a maiden name.
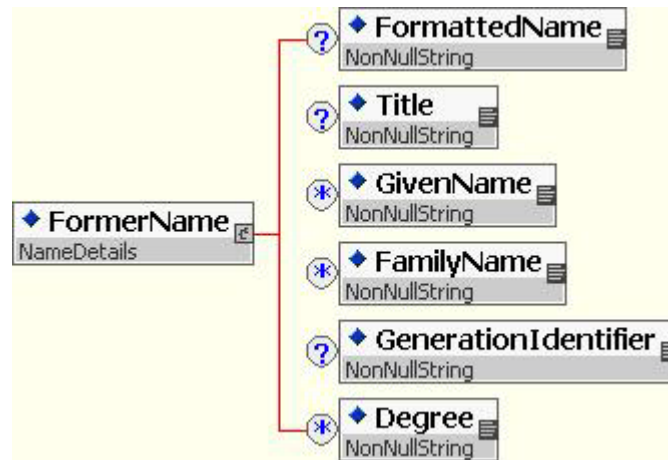
For descriptions of the FormerName subelements, see the Name section.

Sample XML Document

```xml
<?xml version = "1.0" encoding = "UTF-8"?>
<Name xmlns = "http://ns.medbiq.org/name/v1/"
xmlns:xsi = "http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation = "http://ns.medbiq.org/name/v1/
http://ns.medbiq.org/name/v1/name.xsd">
      <FormattedName>Jane Allen Doe, MD</FormattedName>
      <Title>Professor</Title>
      <GivenName>Jane</GivenName>
      <FamilyName>Allen</FamilyName>
      <FamilyName>Doe</FamilyName>
      <Degree>MD</Degree>
      <FormerName>
            <GivenName>Jane</GivenName>
            <FamilyName>Allen</FamilyName>
      </FormerName>
</Name>
```