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| |  |  |  | | --- | --- | --- | | 75 | Date: | $date.get(‘MMMM YYYY’) | |
| Archetype Modeling Language (AML)  #set ($version = “0.5”)  Version: $version  **OMG Document Number: formal/$date.get(‘YYYY-M-d’)**  **Standard document URL: http://www.omg.org/spec/AML/1.0**  Original File: N/A |

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#set ($AMLAuthors = ["Robert Lario", "Angelique J. Cortez", “Harold Solbrig”, “Dave Carlson”, “Deepak K. Sharma”])

**Acknowledgements**

The following individuals submitted parts of this specification and/or have assisted the AML team in the development of the specification:

#foreach ($au in $AMLAuthors)

* $au

#end

#set ($AMLOrgs = ["Mayo Clinic", "Second Organization name", “Third Organization name”])

The following organization supported the development of the specification:

#foreach ($orgs in $AMLOrgs)

* $orgs

#end

#set ($amlContribs = {“Robert Lario” : “Robert’s Org”, “Angelique J. Cortez” : “Angelique’s Org”, “Harold Solbrig” : “Mayo Clinic”, “Dave Carlson” : “XML Modeling”, “Deepak K. Sharma” : “Mayo Clinic”})

|  |  |
| --- | --- |
| **Author** | **Organization** |
| #forrow($key in $amlContribs.keySet()) $key | $amlContribs.get($key) #endrow |

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# Preface

**OMG**

Founded in 1989, the Object Management Group, Inc. (OMG) is an open membership, not-for-profit computer industry standards consortium that produces and maintains computer industry specifications for interoperable, portable, and reusable enterprise applications in distributed, heterogeneous environments. Membership includes Information Technology vendors, end users, government agencies, and academia.  
  
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As noted, OMG specifications address middleware, modeling and vertical domain frameworks. A Specifications Catalog is available from the OMG website at:

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Specifications within the Catalog are organized by the following categories:

**OMG Modeling Specifications**

• UML  
• MOF  
• XMI  
• CWM  
• Profile specifications

**OMG Middleware Specifications**

• CORBA/IIOP  
• IDL/Language Mappings  
• Specialized CORBA specifications  
• CORBA Component Model (CCM)

**Platform Specific Model and Interface Specifications**

• CORBAservices  
• CORBAfacilities  
• OMG Domain specifications  
• OMG Embedded Intelligence specifications  
• OMG Security specifications

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Certain OMG specifications are also available as ISO standards. Please consult http://www.iso.org

**Typographical Conventions**

The type styles shown below are used in this document to distinguish programming statements from ordinary English. However, these conventions are not used in tables or section headings where no distinction is necessary.

Times/Times New Roman - 10 pt.: Standard body text

**Helvetica/Arial - 10 pt. Bold: OMG Interface Definition Language (OMG IDL) and syntax elements.**

Courier - 10 pt. Bold: Programming language elements.

Helvetica/Arial - 10 pt : Exceptions

NOTE: Terms that appear in italics are defined in the glossary. Italic text also represents the name of a document, specification, or other publication.

###############################################

## Imports

###############################################

#import('js', 'com.nomagic.reportwizard.tools.script.JavaScriptTool')

#import("query", "com.nomagic.reportwizard.tools.QueryTool")

###############################################

#\* MACRO writeHeading

Writes heading titles for a given indentation.

\*#

###############################################

#macro (writeHeading $headingLevel $text $headType)

#if($headingLevel == 1)

#if($headType)

# <$headType> $text

#else

# $text

#end

#elseif($headingLevel == 2)

#if($headType)

## <$headType> $text

#else

## $text

#end

#elseif($headingLevel == 3)

#if($headType)

### <$headType> $text

#else

### $text

#end

#elseif ($headingLevel == 4)

#if($headType)

#### <$headType> $text

#else

#### $text

#end

#else

#if($headType)

#### <$headType> $text

#else

#### $text

#end

#end

#end

###############################################

#\* MACRO printDiagram

Prints diagrams for a given element

\*#

###############################################

#macro (printDiagram $pkged)

#if($pkged.ownedDiagram)

#set($pkgdiagrams = $pkged.ownedDiagram)

#if($pkgdiagrams.size() > 0)

#foreach($diag in $pkgdiagrams)

$image.setWidth($diag.image, -2)

$diag.name

#end

#end

#end

#end

###############################################

#\* MACRO packageList

This macro goes through the package list (staring with what is supplied in scope by the report wizard.

\*#

###############################################

#set($level = 0)

#macro (packageList, $parentPackage, $plevel)

#set ($subPackages = $parentPackage.nestedPackage)

#foreach ($pkg in $sorter.humanSort($subPackages))

#\* Only print “Package” if the index starts with section 8

or higher and it is in a subsection like 8.1 or 8.2.3.

The top level packages in ‘specification’ are just section

names.

\*#

# #if($js.eval(‘(pkgn.charAt(0) > “7”)&&(pkgn.indexOf(“.”) != -1)’, ‘pkgn’, $pkg.name))

# #writeHeading($plevel, $js.eval(‘pkgname.replace(/[0-9\.]/gi, “”)’, ‘pkgname’, $pkg.name), “Package”)

#else

# #writeHeading($plevel, $js.eval(‘pkgname.replace(/[0-9\.]/gi, “”)’, ‘pkgname’, $pkg.name))

#end

#printDiagram($pkg)

## recurse for sub-packages

#if ($plevel == 1)

#packageList($pkg, 2)

#elseif($plevel == 2)

#packageList($pkg, 3)

#elseif($plevel == 3)

#packageList($pkg, 4)

#else

#packageList($pkg, 5)

#end

#end

#end

#foreach ($pkg in $packageScope)

#packageList($pkg, 1)

#end