

# Appman Tool

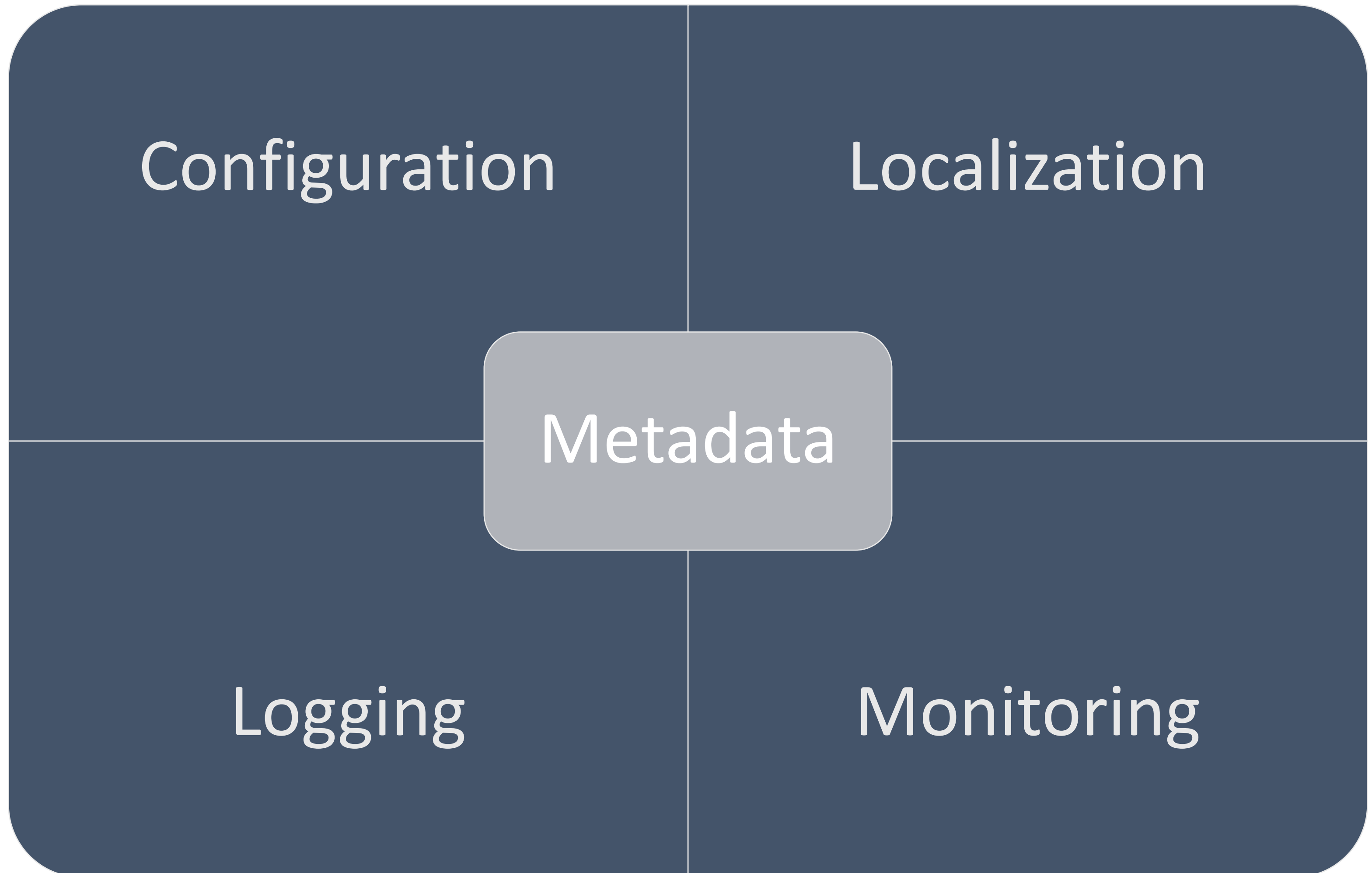
Configuration

Localization

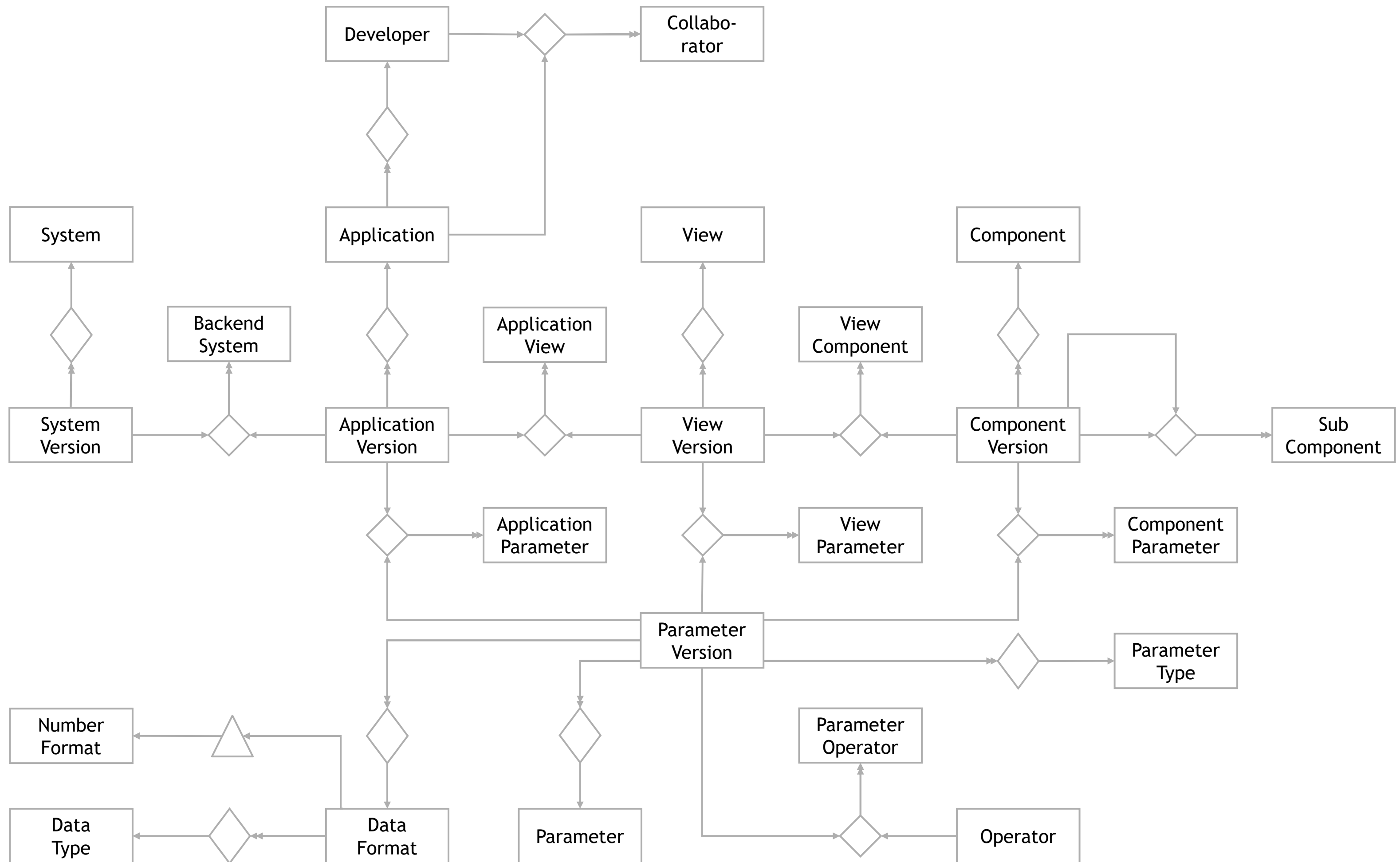
Metadata

Logging

Monitoring



# Meta-Model



# Developer

<u>developerID</u>	firstName*	familyName*	userName*	email*	phoneNumber	mobileNumber*
1	Dardan	Rrafshi	DonColon	<a href="mailto:dardan.rrafshi@gmail.com">dardan.rrafshi@gmail.com</a>	07376962198	+4915738961242
2	Hasan	Karadeniz	HKK_57	<a href="mailto:hsnkrdnz57@gmail.com">hsnkrdnz57@gmail.com</a>	07376962198	+4915162472397
3	Maik	Dürr	Miauzz	<a href="mailto:maik.duerr@gmail.com">maik.duerr@gmail.com</a>	07376962198	+491749530195
4	Angelina	Wöll	Woellang	<a href="mailto:woellang@gmail.com">woellang@gmail.com</a>	07376962198	+491629240215

# Application

<u>appID</u>	name*	description*	homepageUrl	repositoryUrl	gitUrl	issueUrl	<u>author</u> *	license*	<u>modifiedBy</u> *	modifiedOn*
1	Yummy Yogurt						1	apache-2.0	1	2020-10-26 15:30:36
2	Vinyl						1	apache-2.0	1	2020-10-26 15:30:45
3	Sitt						1	apache-2.0	2	2020-10-26 15:30:50
4	Machine Care						1	apache-2.0	3	2020-10-26 15:30:55

# ApplicationVersion

<u>app</u>	<u>version</u>	<u>addedBy</u> *	addedOn*
1	1.0.0	1	2020-10-26 15:30:36
1	1.1.0	1	2020-10-26 15:30:36
1	1.1.5	1	2020-10-26 15:30:36
2	1.0.0	1	2020-10-26 15:30:36

# System

<u>systemID</u>	name*	description*	docUrl	<u>modifiedBy</u> *	modifiedOn*
1	MySQL			1	2020-10-26 15:30:36
2	MongoDB			1	2020-10-26 15:30:45
3	Apache Tomcat			2	2020-10-26 15:30:50
4	Wildfly			3	2020-10-26 15:30:55

# SystemVersion

<u>system</u>	<u>version</u>	<u>addedBy</u> *	addedOn*
1	1.0.0	1	2020-10-26 15:30:36
1	1.1.0	1	2020-10-26 15:30:36
1	1.1.5	1	2020-10-26 15:30:36
2	1.0.0	1	2020-10-26 15:30:36

# BackendSystem

<u>app</u>	<u>appVersion</u>	<u>system</u>	<u>systemVersion</u>	<u>addedBy</u> *	addedOn*
1	1.0.0	1	1.0.0	1	2020-10-26 15:30:36
1	1.0.0	3	1.0.0	1	2020-10-26 15:30:36
2	1.0.0	1	1.0.0	1	2020-10-26 15:30:36
2	1.0.0	3	1.0.0	1	2020-10-26 15:30:36

# Collaborator

<u>developer</u>	<u>app</u>
2	1
2	2
2	3
3	1

## View

<u>viewID</u>	name*	description*	route*	<u>modifiedBy</u> *	modifiedOn*
1	Log In Form	A login view	/login	1	2020-10-26 15:30:36
2	Playlist	Displays the information of a playlist	/playlist/{playlistID}	1	2020-10-26 15:30:45
3	Sign Up Form	A sign up view	/signup	1	2020-10-26 15:30:50
4	Mixer	A view to configure a frozen yogurt	/mixer	2	2020-10-26 15:30:55

## ViewVersion

<u>view</u>	<u>version</u>	<u>addedBy</u> *	addedOn*
1	1.0.0	1	2020-10-26 15:30:36
1	1.1.0	1	2020-10-26 15:30:36
2	1.0.0	1	2020-10-26 15:30:36
3	1.0.0	1	2020-10-26 15:30:36

## Component

<u>componentID</u>	name*	description*	<u>modifiedBy</u> *	modifiedOn*
1	Track List	Display information about tracks	1	2020-10-26 15:30:36
2	Player Control	A component to control a music player	1	2020-10-26 15:30:45
3	Volume Bar	A component to set the volume	1	2020-10-26 15:30:50
4	Ingredient Selector	A component to select an ingredient	1	2020-10-26 15:30:55

## ComponentVersion

<u>component</u>	<u>version</u>	<u>addedBy</u> *	addedOn*
1	1.0.0	1	2020-10-26 15:30:36
2	1.0.0	1	2020-10-26 15:30:36
3	1.0.0	1	2020-10-26 15:30:36
4	1.0.0	1	2020-10-26 15:30:36

## ApplicationView

<u>app</u>	<u>appVersion</u>	<u>view</u>	<u>viewVersion</u>	<u>addedBy</u> *	addedOn*
1	1.0.0	1	1.0.0	1	2020-10-26 15:30:36
2	1.1.0	1	1.1.0	1	2020-10-26 15:30:36

## ViewComponent

<u>view</u>	<u>viewVersion</u>	<u>component</u>	<u>componentVersion</u>	<u>addedBy</u> *	addedOn*
2	1.0.0	1	1.0.0	1	2020-10-26 15:30:36
2	1.1.0	2	1.0.0	1	2020-10-26 15:30:36

## SubComponent

<u>component</u>	<u>componentVersion</u>	<u>subComponent</u>	<u>subComponentVersion</u>	<u>addedBy</u> *	addedOn*
2	1.0.0	3	1.0.0	1	2020-10-26 15:30:36
2	1.1.0	3	1.1.0	1	2020-10-26 15:30:36

# Parameter

<u>parameterID</u>	name*	description*	<u>modifiedBy</u> *	modifiedOn*
1	databaseUrl	The host url of the database	1	2020-10-26 15:30:36
2	userName	The user name of a system	1	2020-10-26 15:30:36
3	sortBy	Sort a list by a criteria	1	2020-10-26 15:30:36
4	backgroundColor	The background color of an element	1	2020-10-26 15:30:36

# ParameterVersion

<u>parameter</u>	<u>version</u>	isArray*	hasValueHelp*	<u>format</u> *	<u>type</u> *	<u>modifiedBy</u> *	modifiedOn*
1	1.0.0	0	0	1	4	1	2020-10-26 15:30:36
1	1.1.0	0	0	5	4	1	2020-10-26 15:30:36
2	1.0.0	0	1	1	2	1	2020-10-26 15:30:36
4	1.0.0	0	1	7	3	1	2020-10-26 15:30:36

# DataFormat

<u>formatID</u>	<u>type</u> *	name*	format*
1	1	none	-
2	1	date	
3	1	time	
4	1	date-time	
5	1	uri	
6	1	email	
7	1	hostname	
8	1	ipv4	
9	1	ipv6	
10	1	uuid	
11	2	float	
12	2	double	
13	3	int8 signed	
14	3	int8 unsigned	
15	3	int16 signed	

# NumberFormat

<u>formatID</u>	min*	max*
13	-128	127
14	0	255
15	-32768	32767
16	0	65535
17	-2147483648	2147483647
18	0	4294967295
19	-9223372036854775808	9223372036854775807
20	0	18446744073709551615

# Operator

<u>operatorID</u>	name*	inputNumber*
EQ	Equals	1
BT	Between	2
NE	Not equals	1
SW	Starts with	1

# ParameterType

<u>typeID</u>	name*	<u>modifiedBy</u> *	modifiedOn*
1	Filter parameter	1	2020-10-26 15:30:36
2	Sort parameter	1	2020-10-26 15:30:36
3	Styling parameter	1	2020-10-26 15:30:36
4	Configuration parameter	1	2020-10-26 15:30:36

# DataType

<u>typeID</u>	name*
1	string
2	decimal
3	integer
4	boolean

# ParameterOperator

<u>parameter</u>	<u>parameterVersion</u>	<u>operator</u>
1	1.0.0	EQ
2	1.0.0	EQ
2	1.0.0	BT
2	1.0.0	SW
1	1.1.0	EQ
3	1.0.0	EQ
4	1.0.0	EQ
2	1.0.0	EW

# ApplicationParameter

<u>app</u>	<u>appVersion</u>	<u>parameter</u>	<u>parameterVersion</u>	required*	<u>modifiedBy</u> *	modifiedOn*
2	1.1.0	1	1.1.0	1	1	2020-10-26 15:30:36
2	1.1.0	2	1.0.0	1	1	2020-10-26 15:30:36
1	1.0.0	1	1.1.0	1	1	2020-10-26 15:30:36
1	1.0.0	2	1.0.0	1	1	2020-10-26 15:30:36

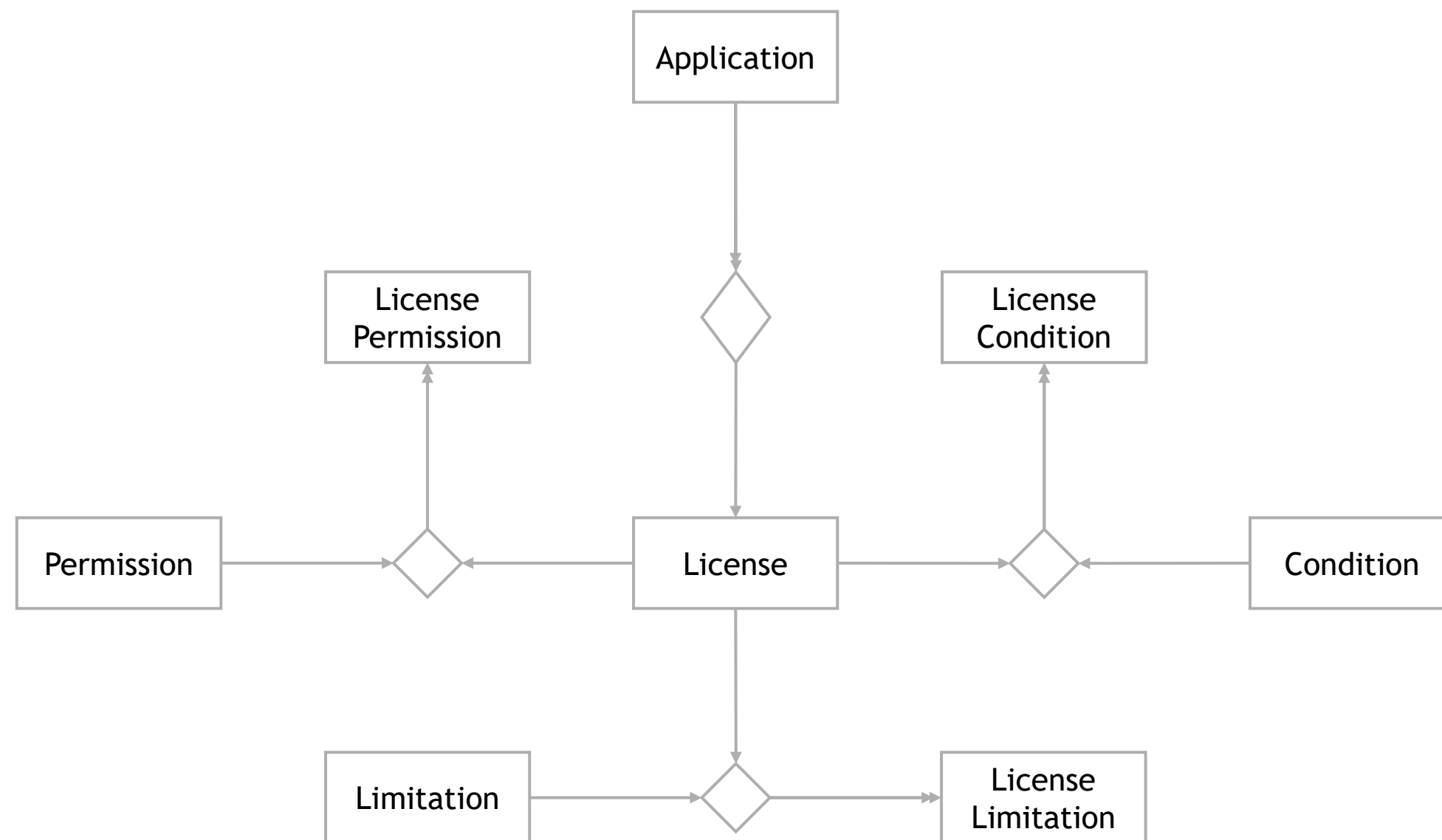
# ViewParameter

<u>view</u>	<u>viewVersion</u>	<u>parameter</u>	<u>parameterVersion</u>	required*	<u>modifiedBy</u> *	modifiedOn*
2	1.0.0	4	1.0.0	1	1	2020-10-26 15:30:36
2	1.1.0	4	1.0.0	0	1	2020-10-26 15:30:36
4	1.0.0	4	1.0.0	0	1	2020-10-26 15:30:36
4	1.1.0	4	1.0.0	1	1	2020-10-26 15:30:36

# ComponentParameter

<u>component</u>	<u>componentVersion</u>	<u>parameter</u>	<u>parameterVersion</u>	required*	<u>modifiedBy</u> *	modifiedOn*
1	1.0.0	3	1.0.0	1	1	2020-10-26 15:30:36
1	1.0.0	4	1.0.0	0	1	2020-10-26 15:30:36
4	1.0.0	4	1.0.0	0	1	2020-10-26 15:30:36
4	1.1.0	4	1.0.0	1	1	2020-10-26 15:30:36

# Licensing-Model



# License

<u>licenseID</u>	spdxID*	name*	description*	url*	content*
mit					
apache-2.0					
agpl-3.0					
unlicense					

# Permission

<u>permissionID</u>	name*	description*
commercial-use	Commercial Use	
distribution	Distribution	
modifications	Modification	
private-use	Private Use	

# Condition

<u>conditionID</u>	name*	description*
disclose-source	Disclose Source	
include-copyright	License and Copyright Notice	
same-license	Same License	
document-changes	State Changes	

# Limitation

<u>limitationID</u>	name*	description*
liability	Liability	
warranty	Warranty	
trademark-use	Trademark Use	
patent-use	Patent Use	

# LicensePermission

<u>license</u>	<u>permission</u>
agpl-3.0	commercial-use
agpl-3.0	distribution
agpl-3.0	modifications
agpl-3.0	patent-use

# LicenseCondition

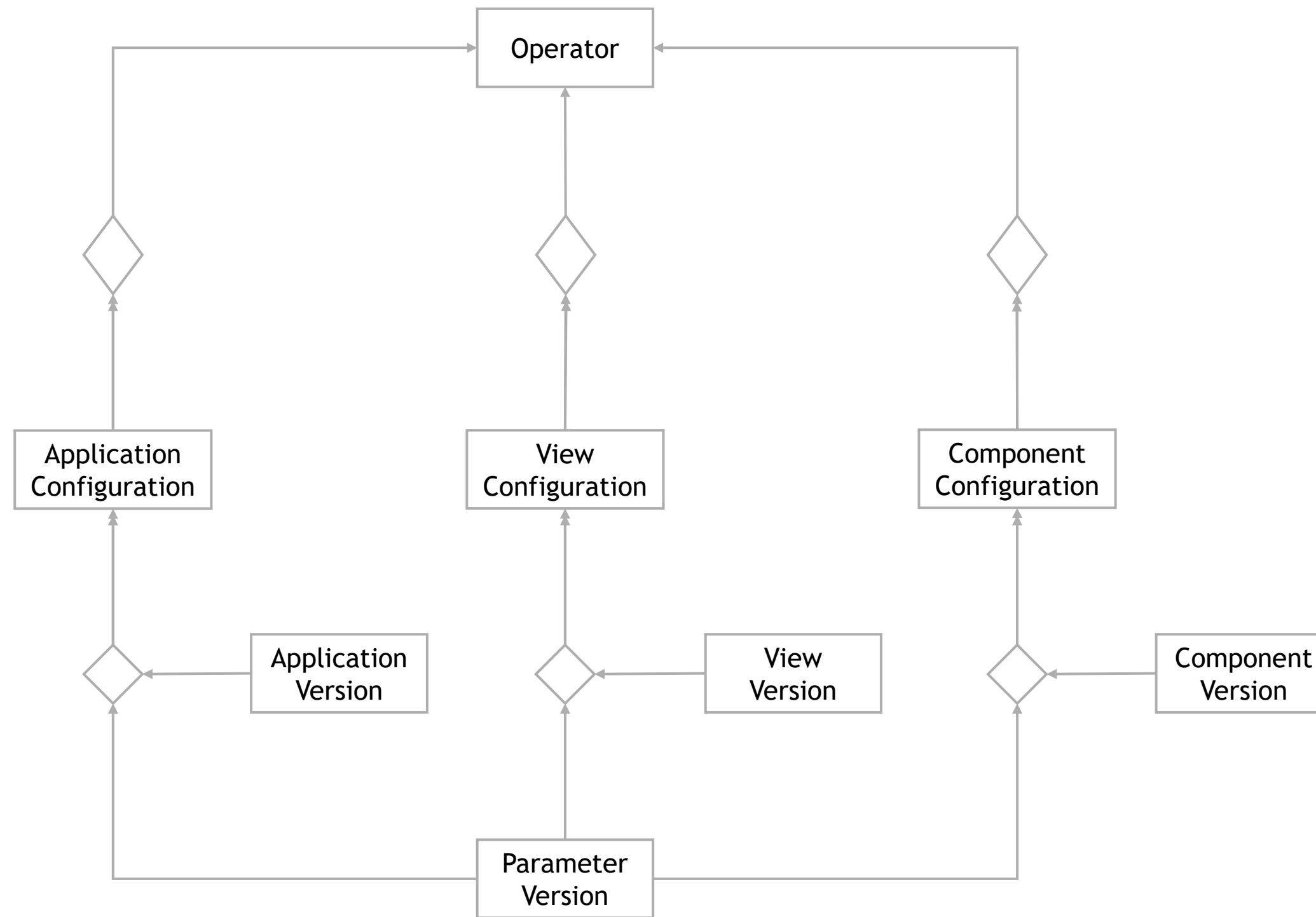
<u>license</u>	<u>condition</u>
agpl-3.0	disclose-source
agpl-3.0	include-copyright
agpl-3.0	same-license
agpl-3.0	document-changes

# LicenseLimitation

<u>license</u>	<u>limitation</u>
agpl-3.0	liability
agpl-3.0	warranty
apache-2.0	trademark-use
apache-2.0	liability



# Configuration-Model



# ApplicationConfiguration

<u>app</u>	<u>appVersion</u>	<u>parameter</u>	<u>parameterVersion</u>	<u>sequence</u>	<u>operator</u> *	value*	other	<u>modifiedBy</u> *	modifiedOn*
2	1.1.0	1	1.1.0	1	EQ	jdbc:mysql://localhost:3306/vinyl		1	2020-10-26 15:30:36
2	1.1.0	2	1.0.0	1	EQ	rrafshda		1	2020-10-26 15:30:36
1	1.0.0	1	1.1.0	1	EQ	jdbc:mysql://localhost:3306/yummy		1	2020-10-26 15:30:36
1	1.0.0	2	1.0.0	1	EQ	rrafshda		1	2020-10-26 15:30:36

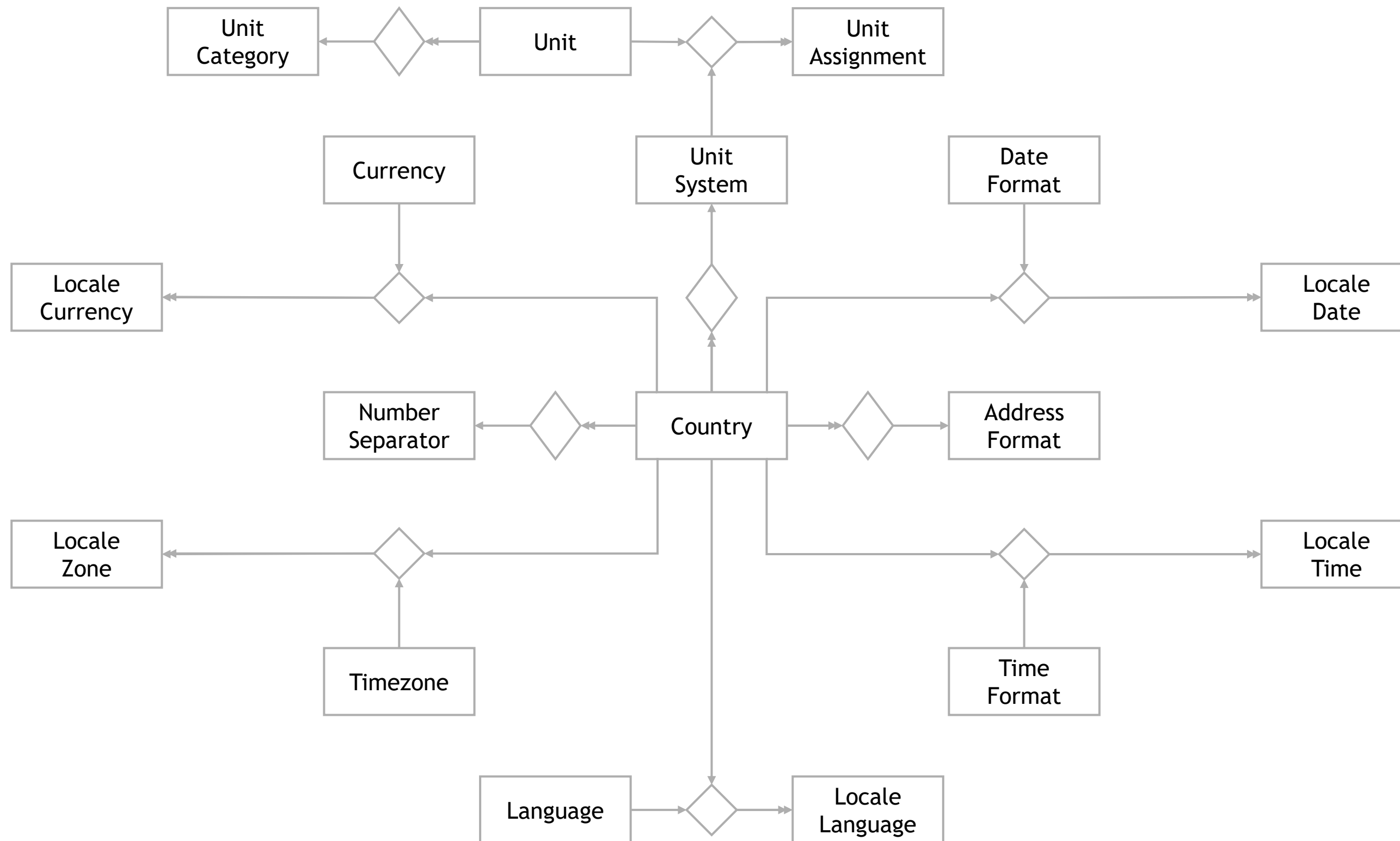
# ViewConfiguration

<u>view</u>	<u>viewVersion</u>	<u>parameter</u>	<u>parameterVersion</u>	<u>sequence</u>	<u>operator</u> *	value*	other	<u>modifiedBy</u> *	modifiedOn*
2	1.0.0	4	1.0.0	1	EQ			1	2020-10-26 15:30:36
2	1.1.0	4	1.0.0	1	EQ			1	2020-10-26 15:30:36
4	1.0.0	4	1.0.0	1	EQ			1	2020-10-26 15:30:36
4	1.1.0	4	1.0.0	1	EQ			1	2020-10-26 15:30:36

# ComponentConfiguration

<u>component</u>	<u>componentVersion</u>	<u>parameter</u>	<u>parameterVersion</u>	<u>sequence</u>	<u>operator</u> *	value*	other	<u>modifiedBy</u> *	modifiedOn*
1	1.0.0	3	1.0.0	1	EQ			1	2020-10-26 15:30:36
1	1.0.0	4	1.0.0	1	EQ			1	2020-10-26 15:30:36
4	1.0.0	4	1.0.0	1	EQ			1	2020-10-26 15:30:36
4	1.1.0	4	1.0.0	1	EQ			1	2020-10-26 15:30:36

# i18n-Model



## Country

<u>code</u>	key*	name*	dialingCode*	<u>addressFormat*</u>	<u>numberSeparator*</u>	<u>unitSystem*</u>
DE	DEU	Germany	+49	1	1	1
US	USA	United States	+1	2	2	2
GB	GBR	United Kingdom	+44	3	2	2
CH	CHE	Switzerland	+41	4	3	1

## UnitSystem

<u>systemID</u>	name*
1	metric
2	imperial
3	customary

## UnitAssignment

<u>system</u>	<u>unit</u>
1	1
1	2
1	3
1	4

## Unit

<u>unitID</u>	name*	abbreviation*	factor*	offset*	<u>category*</u>
1	Kilometer	km	1000	0	1
2	Hectometer	hm	100	0	1
3	Meter	m	1	0	1
4	Decimeter	dm	0.1	0	1

## UnitCategory

<u>categoryID</u>	name*
1	Length
2	Force
3	Speed
4	Acceleration

## AddressFormat

<u>formatID</u>	format*
1	Format 1
2	Format 2
3	Format 3
4	Format 4

## NumberSeparator

<u>separatorID</u>	thousandSeparator*	decimalSeparator*
1	,	.
2	.	,
3	,	`
4	.	`

## Currency

<u>code</u>	digitalCode*	name*	symbol*
EUR	978	European Euro	€
USD	840	United States Dollar	\$
GBP	826	Britisch Pound	£
CHF	756	Swiss Franc	Fr

## LocaleCurrency

<u>country</u>	<u>currency</u>
DE	EUR
US	USD
GB	GBP
CH	CHF

## DateFormat

<u>formatID</u>	format*
1	DD.MM.YYYY
2	DD/MM/YYYY
3	MM/DD/YYYY
4	YYYYMMDD

## LocaleDate

<u>country</u>	<u>format</u>	displayStyle*
DE	1	medium
GB	2	medium
US	3	medium
CH	4	medium

## TimeFormat

<u>formatID</u>	format*
1	HH:MM:SS
2	
3	
4	

## LocaleTime

<u>country</u>	<u>format</u>	displayStyle*
DE	1	medium
GB	2	medium
US	3	medium
CH	4	medium

## Timezone

<u>zoneID</u>	name*	offset*	offsetDST*
1	Europe/Berlin	+01:00	+02:00
2	Europe/Brussels	+01:00	+02:00
3	Europe/Bucharest	+02:00	+03:00
4	Europe/Budapest	+01:00	+02:00

## LocaleTimezone

<u>country</u>	<u>timezone</u>
DE	1
GB	2
US	3
CH	4

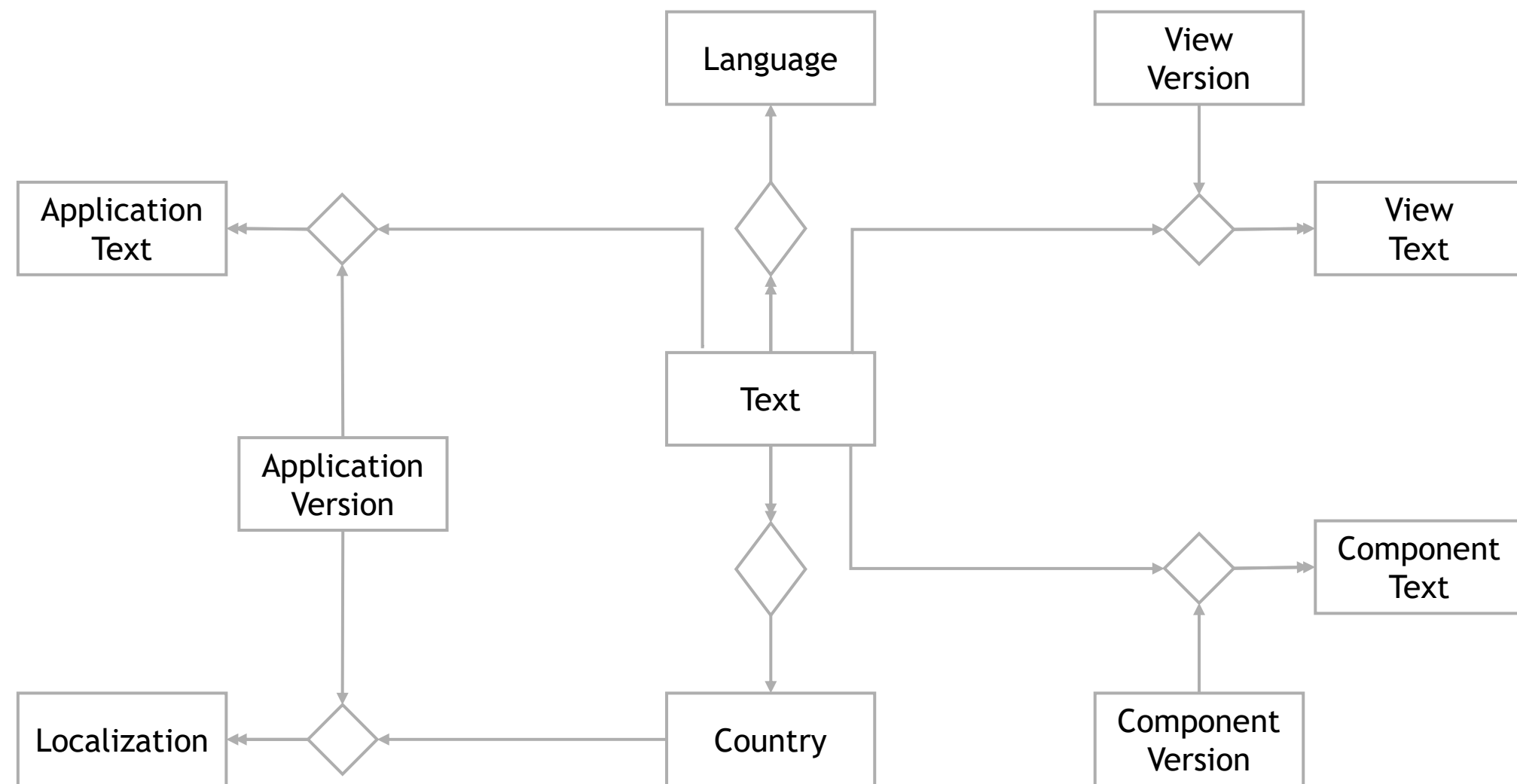
## Language

<u>code</u>	name*	nativeName*
de	German	Deutsch
en	English	English
fr	French	français
es	Spanish	español

## LocaleLanguage

<u>country</u>	<u>language</u>	isOfficial*
DE	de	1
US	en	1
GB	en	1
CH	de	1

# l10n-Model



# Text

<u>textID</u>	<u>country</u>	<u>language</u>	short	medium	large	<u>modifiedBy</u> *	modifiedOn*
						1	2020-10-26 15:30:36
						1	2020-10-26 15:30:36
						1	2020-10-26 15:30:36
						1	2020-10-26 15:30:36

# ApplicationText

<u>app</u>	<u>appVersion</u>	<u>text</u>	<u>country</u>	<u>language</u>	<u>addedBy</u> *	addedOn*
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36

# ViewText

<u>view</u>	<u>viewVersion</u>	<u>text</u>	<u>country</u>	<u>language</u>	<u>addedBy</u> *	addedOn*
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36

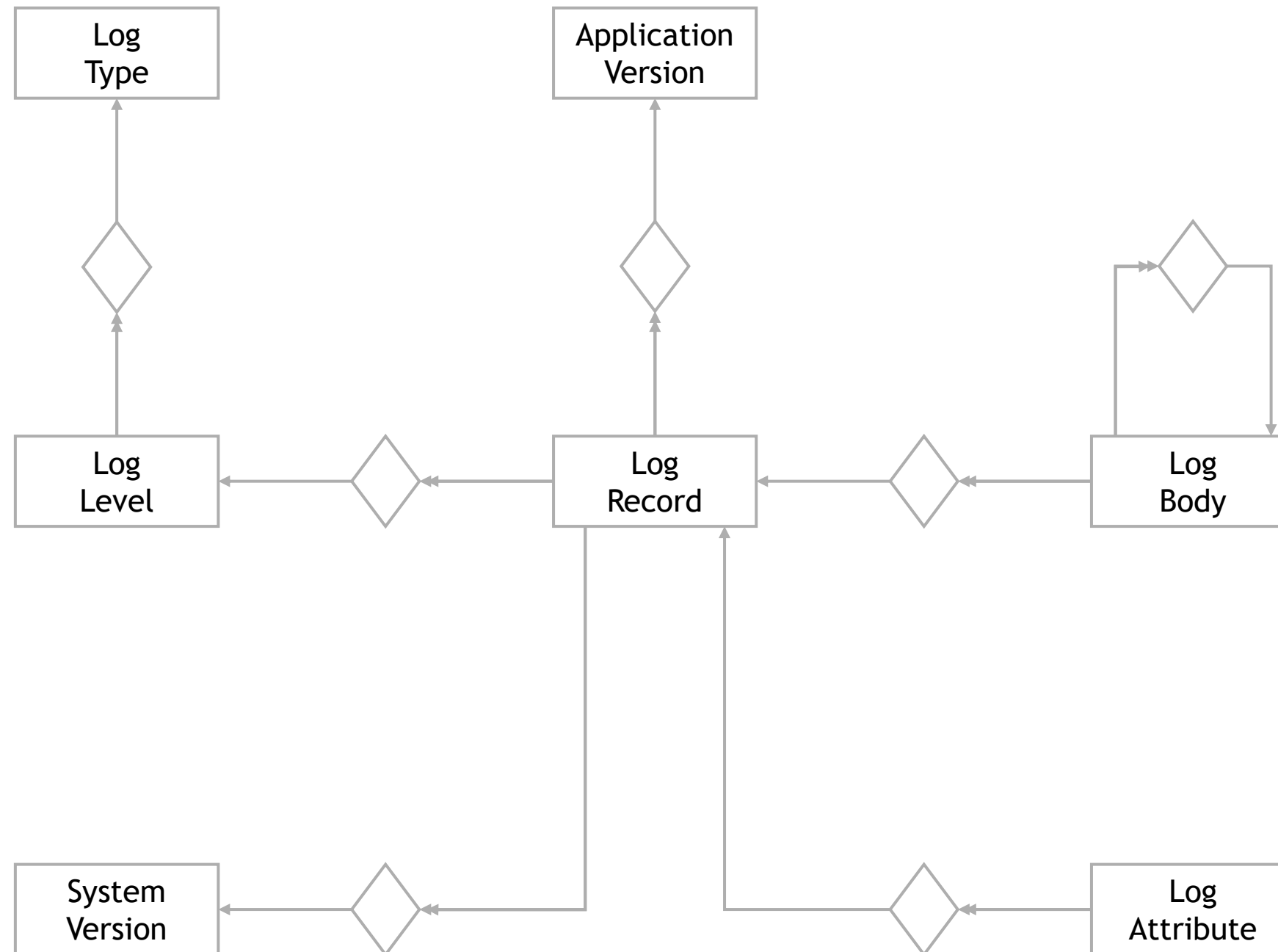
# ComponentText

<u>component</u>	<u>componentVersion</u>	<u>text</u>	<u>country</u>	<u>language</u>	<u>addedBy</u> *	addedOn*
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36
					1	2020-10-26 15:30:36

# Localization

<u>app</u>	<u>appVersion</u>	<u>country</u>	<u>addedBy</u> *	addedOn*
			1	2020-10-26 15:30:36
			1	2020-10-26 15:30:36
			1	2020-10-26 15:30:36
			1	2020-10-26 15:30:36

# Logging-Model





# LogRecord

<u>logID</u>	eventName*	<u>level</u> *	levelText*	<u>app</u> *	<u>appVersion</u> *	<u>system</u>	<u>systemVersion</u>	addedOn*	traceID

## LogLevel

<u>levelID</u>	<u>type</u> *	name*
1	1	
2	1	
3	2	
4	2	

## LogType

<u>typeID</u>	name*
1	TRACE
2	DEBUG
3	INFO
4	WARNING

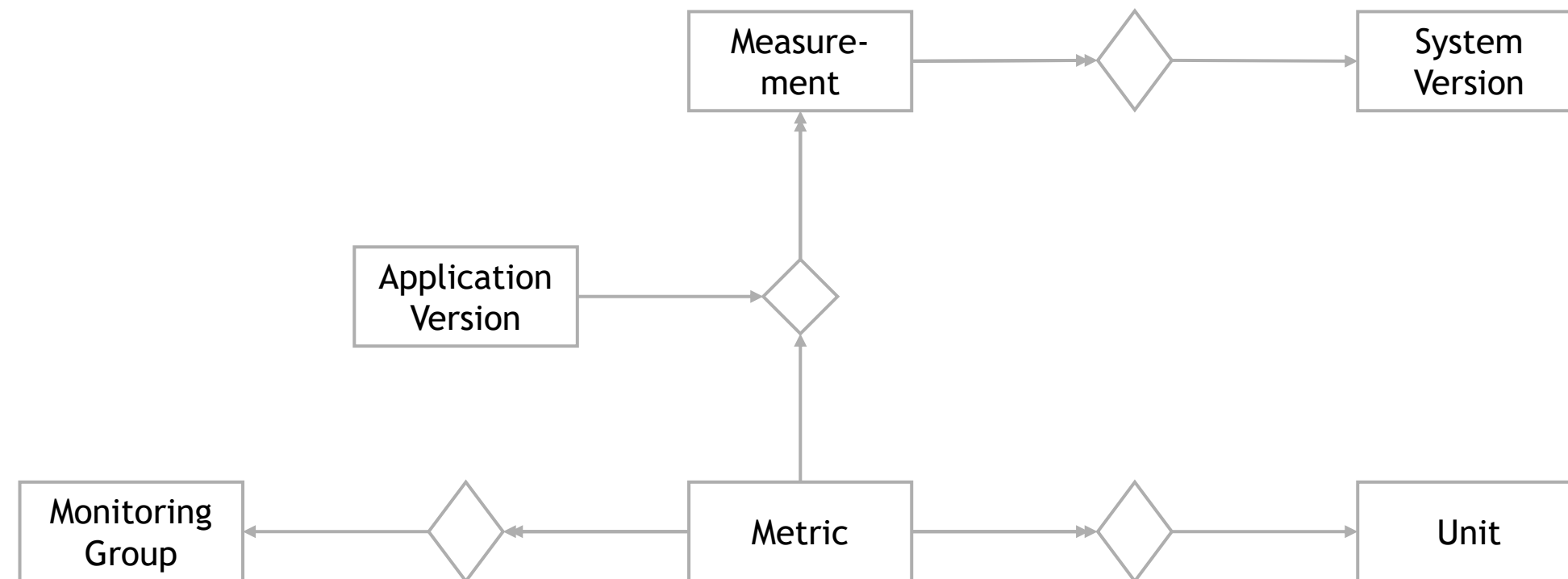
## LogBody

<u>bodyID</u>	<u>log</u> *	key	value	<u>parent</u>
1	1			
2	1			
3	2			
4	3			

## LogAttribute

<u>log</u>	<u>key</u>	value*

# Monitoring-Model



# Metric

<u>metricID</u>	name*	description*	<u>monitoringGroup</u> *	<u>unit</u>

# Measurement

<u>app</u>	<u>appVersion</u>	<u>metric</u>	<u>addedOn</u>	<u>system</u>	<u>systemVersion</u>	value*
1						
1						
1						
1						

# MonitoringGroup

<u>groupID</u>	name*
1	Database
2	File System
3	Operating System
4	Request