**UNIVERSIDADE FEDERAL DE GOIÁS**

ENGENHARIA DE SOFTWARE

**Prática em engenharia de software**

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Modelo de serialização de dados em JSON de cada uma das classes do MR

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# 1.Classes

## 1.1.DvBoolean

Parâmetros:

{

“value”: boolean

}

## 1.2.DvIdentifier

Parâmetros:

{

“issuer”: String (required),

“assigner”: String (required),

“id”: String (required),

“type”: String (required)

}

## 1.3.DvParagraph

Parâmetros:

{

“items”: [

chama DvText

]

}

## 1.4.TermMapping

Parâmetros:

{

“target”: {

chama CodePhrase

},

“match”: {

chama Match

},

“purpose”: {

chama DvCodedText

}

}

## 1.5.DvCodedText

Classe pai: [DvText](#h.sdv2muejc1ra)

Parâmetros: @param value (required)

@param mapping

@param formatting

@param hyperlink

@param language

@param charset

@param definingCode not null (required)

@param terminologyService not null (interface)

Fields: private CodePhrase definingCode;

Construtor: super(value, mapping, formatting, hyperlink, language, charset, terminologyService);

{

“value”: String (required),

“mappings”: [

chama TermMapping

],

“formatting”: String,

“hyperlink”: {

chama DvUri

},

“language”: {

chama CodePhrase

},

“charset”: {

chama CodePhrase

}

“definingCode”: {

chama CodePhrase

}

}

## 1.6.DvText

Parâmetros:

{

“value”: String,

“mappings”: [ {

chama TermMapping

} ],

“formatting”: String,

“hyperlink”: {

chama DvUri

},

“language”: {

chama CodePhrase

},

“encoding”: {

chama CodePhrase

}

}

## 1.7.Archetyped

Parâmetro:

@param archetypeId not null

@param templateId null if unspecified

@param rmVersion not null or empty

Construtor: Archetyped(

@Attribute(name = "archetypeId", required = true) ArchetypeID archetypeId,

@Attribute(name = "templateId") TemplateID templateId,

@Attribute(name = "rmVersion", required = true) String rmVersion)

{

“archetypeId”: {

chama ArchetypeID

},

“templateId”: {

chama TemplateID

},

“rmVersion”: String

}

## 1.8.FeederAudit

Parâmetros:

@param originatingSystemAudit not null

@param originatingSystemItemIds null if not specified

@param feederSystemAudit null if not specified

@param feederSystemItemIds null if not specified

@param originalContent null if not specified

Construtor: FeederAudit(FeederAuditDetails originatingSystemAudit,

List<DvIdentifier> originatingSystemItemIDs,

FeederAuditDetails feederSystemAudit,

List<DvIdentifier> feederSystemItemIDs,

DvEncapsulated originalContent)

{

“originatingSystemAudit”: {

chama FeederAuditDetails

},

“originatingSystemItemIds”: [ {

chama DvIdentifier

} ],

“feederSystemAudit”: {

chama FeederAuditDetails

},

“feederSystemItemIds”: [ {

chama DvIdentifier

} ],

“originalContent”: {

chama DvEncapsulated

}

}

## 1.9.FeederAuditDetails

Parâmetros:

@param systemId not null

@param provider null if not present

@param timeCommitted null if not present

@param location null if not present

@param time null if not present

@param subject null if not present

@param versionId null if not present

Construtor: FeederAuditDetails(String systemID, PartyIdentified provider,

PartyIdentified location, DvDateTime time, PartyProxy subject,

String versionID)

{

“systemId”: String,

“provider”: {

chama PartyIdentified

},

“location”: {

chama PartyIdentified

},

“time”: {

chama DvDateTime

},

“subject”: {

chama PartyProxy

}

“versionId”: String

}

## 1.10.Link

Paramêtros:

@param meaning not null

@param type not null

@param target not null

Construtor: Link(DvText meaning, DvText type, DvEHRURI target)

{

“meaning”: {

chama DvText

},

“type”: {

chama DvText

},

“target”: {

chama DvEHRURI

}

}

## 1.11.Locatable

Classe Pai: Pathable

Parâmetros:

@param uid null if not specified

@param archetypeNodeId not null

@param name not null

@param archetypeDetails null if not specified

@param feederAudit null if not specified

@param links null if not specified

@param parent null if not specified

Construtor: Locatable(UIDBasedID uid, String archetypeNodeId, DvText name,

Archetyped archetypeDetails,FeederAudit feederAudit,

Set<Link> links, Pathable parent)

{

“PATH\_SEPARATOR”: String,

“ROOT”: String,

“uid”: {

chama UIDBasedID

},

“originalArchetypeNodeId”: String,

“archetypeNodeId”: String,

“name”: {

chama DvText

},

“archetypeDetails”: {

chama Archetyped

},

“feederAudit”: {

chama FeederAudit

},

“links”: [ {

chama Link

} ]

}

## 1.12.Pathable

Parâmetros:

@param parent null if not present

Construtor: Pathable(Pathable parent)

{

“parent”: {

chama Pathable

}

}

## 1.13.Contribution

Parâmetros:

@param uid not null

@param versions not null or empty

@param audit not null

Construtor: Contribution(

@Attribute(name = "uid", required = true)ObjectID uid,

@Attribute(name = "versions", required = true)Set<ObjectRef> versions,

@Attribute(name = "audit", required = true)AuditDetails audit)

{

“uid”: chama ObjectID,

“versions”: [ {

chama ObjectRef

} ],

“audit”: chama AuditDetails

}

## 1.14.CodePhrase

{

“terminologyId”: {

chama TerminologyID

},

“codeString”: String

}

## 1.15.TermMapping

{

“target”: {

chama CodePhrase

},

“match”: {

chama Match

},

“purpose”: {

chama DvCodedText

}

}

# 2.Método toJSON()

String toJSON(){

for(int i=0; i<totalObjetos(); i++){

if(obtemTipo(idObjeto) == 30){ // obtem tipo de um objeto

buildJson(30)

//...

}

// um caso contemplando cada uma das 150 e muitas classes

}

}

# 3.Método fromJSON()

# 4.Observações

(Thiago) - Deixei pronto tudo em /datatypes/text/ ou seja, todas as classes já tem o mapeamento pro json. Teve só um enum Match que não sabia como colocar no json, ele é usado na classe TermMapping, depois vou pensar direito