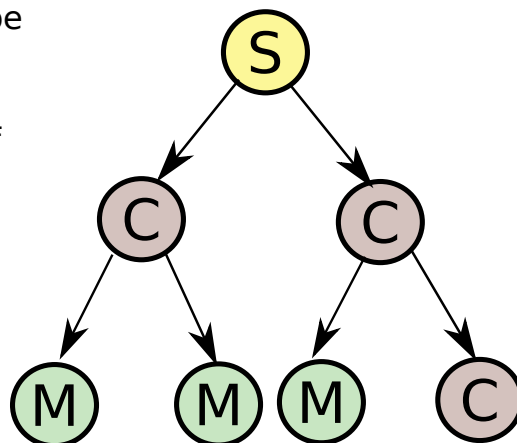


The underlying data model of the collections API can be defined by three submodels:

Service: defines the basic functionality an instance of the collections API provides. An instance can host (locally or virtually) an arbitrary number of collections

Collection: properties of a specific collection at the current instance. A collection can have an arbitrary number of members, including (sub-) collections

Member: properties of a specific member of a collection



Service

providesCollectionPids: *true|false*

collectionPidProviderType: *string*

(*controlled vocab/datatype uri*)

enforcesAccess: *true|false*

supportsPagination: *true|false*

asynchronousActions: *true|false*

ruleBasedGeneration: *true|false*

maxExpansionDepth: *int (0)*

providesVersioning: *true|false*

supportedCollectionOperations: [*string*]

supportedModelTypes: [*string*

(*controlled vocab/datatype uri*)]

Collection

id: *string (ideally pid)*

capabilities:

isOrdered: *true|false*

appendsToEnd: *true|false*

supportsRoles: *true|false*

membershipsMutable: *true|false*

metadataMutable: *true|false*

restrictedToType: *string*

maxLength: *int (-1 = unlimited)*

properties:

ownership: *string (ideally pid)*

license: *string (controlled vocab)*

modelType: *string (controlled vocab)*

hasAccessRestrictions: *true|false*

memberOf: []

descriptionOntology: *string (namespace)*

description: { *string*: *string* }

Member

id: *string (ideally pid)*

location: *string (url)*

datatype: *string (controlled vocab or datatype uri)*

ontology: *string (controlled vocab uri)*

mappings: (*dependent upon capabilities*)

role: *string*

index: *int*

dateAdded: *iso datetime*

*A **collection** is a digital object which is identified by a PID and consists of a set or list of member object PIDs/IDs and a set of additional pointers/links and metadata, together with each PID/Id. The **Collections API** offers operations on collections & member items.