# Davide’s Operations

Assume:

Concept == MVFEntry

Term/Label = MVF DictionaryEntry.Term

Lookup( ConceptId ) : Concept  
Returns a representation of the Concept with the given Id, usually including terms/labels, a definition and relationships to other “neighbour” concepts.

Resolve( Term ) : List<Concept>  
Returns a (prioritized) list of Concepts that are evoked by the provided term – usually performed by string matching on the concept’s label, but can be more sophisticated and leverage e.g. NLP

GetTerm( ConceptId, Vocabulary\* ) : Map<String,Term>  
Retrieves the label(s) of a given concept in the given vocabularies.

GetCloud( ConceptId, Depth?, RelationshipType ) : Graph  
Returns the neighbors of a given concept, possibly filtered by the type of relationship between concepts, and up to a certain number of steps in the graph

[Not applicable ?

Translation( Model, TargetLanguage ) : Model  
Given a model expressed in a modelling language and using one or more lexicon (aka MVFDictionary), returns a new model that carries the same information content, but is expressed using a different modelling language and/or lexicon

???-translation A translation that preserves the modelling language (grammar) but changes the underlying lexicon

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Localization( Model, TargetVocabulary ) : Model  
Given a model expressed in a modelling language and using one or more lexicon (aka MVFDictionary), returns a model expressed in the same language and lexicon, but using a different vocabulary for that lexicon