

## CLASS NAMING RECOMMENDATION

Class Name	Recommendation
CuisineType	[cuisineType]
Dish	[dish, disease, display]
EastIndianCuisine	[eastIndianCuisine]
CookingUtensil	[cookingUtensil]
Flavor	[flavor]

## PROPERTY NAMING RECOMENDATION

Property Name	Recommendation
hasIngredient	[HasIngredient, HasRated, HasRated, Has, HasInterest]
hasCalories	[HasCalories, HasGoal, HasDone, HasGoal, HasLocation]
hasServingSize	[HasServingSize, Has, Has, Hearing, Harvesting]
hasFlavor	[HasFlavor, HasGoal, HasGoal, Has, HasPlan]
hasCookingUtensil	[HasCookingUtensil, Has, Has, Cooking, Hacking]

## ODP RECOMENDATION

Class/Property Name	IRI
RelativeRelationship	<a href="https://curate.nd.edu/downloads/9p29086355b">https://curate.nd.edu/downloads/9p29086355b</a>
RelativeRelationship	<a href="https://curate.nd.edu/downloads/9p29086355b">https://curate.nd.edu/downloads/9p29086355b</a>
PlanConditions	<a href="http://www.ontologydesignpatterns.org/cp/owl/planconditions.owl">http://www.ontologydesignpatterns.org/cp/owl/planconditions.owl</a>
SmartHome Object	<a href="http://ecareathome-ontology.mpi.aass.oru.se/patterns/SmartHome_Object.owl">http://ecareathome-ontology.mpi.aass.oru.se/patterns/SmartHome_Object.owl</a>
LinnaeanTaxonomy	<a href="http://www.ontologydesignpatterns.org/cp/owl/linnaeantaxonomy.owl">http://www.ontologydesignpatterns.org/cp/owl/linnaeantaxonomy.owl</a>
MicroBlogEntry	<a href="https://github.com/cogan-shimizu-wsu/MicroblogEntryOWL/blob/master/MicroblogEntry.owl">https://github.com/cogan-shimizu-wsu/MicroblogEntryOWL/blob/master/MicroblogEntry.owl</a>
Place	<a href="http://www.ontologydesignpatterns.org/cp/owl/place.owl">http://www.ontologydesignpatterns.org/cp/owl/place.owl</a>

## AXIOM RECOMENDATION

Class/Property Name	Recommendation	IRI
CuisineType	Culiseta	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
SouthIndianCuisine	South_Pacific_Commission	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
SouthIndianCuisine	SouthPacificCommission	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>

hasIngredient	HasInterest.600110	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasIngredient	HasRated	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasIngredient	HasInterest	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasIngredient	Has	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasIngredient	HasKnowledge	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasCalories	HasGoal	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasCalories	HasLocation	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasCalories	HasBelief	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasCalories	HasDone	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasCalories	Has	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
Recipe	Reptile	<a href="http://www.phinformatics.org/Assets/Ontology/umls.owl">http://www.phinformatics.org/Assets/Ontology/umls.owl</a>
Recipe	RecognizerMode	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
Recipe	Receptor	<a href="http://www.phinformatics.org/Assets/Ontology/umls.owl">http://www.phinformatics.org/Assets/Ontology/umls.owl</a>
Recipe	Recipient_Animals	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Recipe	Relief	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasFlavor	HasGoal	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasFlavor	HasPlan	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasFlavor	Hansfordia	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
hasFlavor	Has	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasFlavor	ashlar	<a href="http://www.cstb.fr/eCognos">http://www.cstb.fr/eCognos</a>
Quantity	Quantitative_Concept	<a href="http://www.phinformatics.org/Assets/Ontology/umls.owl">http://www.phinformatics.org/Assets/Ontology/umls.owl</a>
Quantity	Entity	<a href="http://www.phinformatics.org/Assets/Ontology/umls.owl">http://www.phinformatics.org/Assets/Ontology/umls.owl</a>
Quantity	Quarry	<a href="http://www.geonames.org/ontology/mappings">http://www.geonames.org/ontology/mappings</a>
Quantity	QuantitativeConcept	<a href="http://www.phinformatics.org/Assets/Ontology/umls.owl">http://www.phinformatics.org/Assets/Ontology/umls.owl</a>
Quantity	Quartets	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
CookingUtensil	Cooking_Oils	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
CookingUtensil	Coordinates	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
CookingUtensil	CookingFats	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
CookingUtensil	CookingOils	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
CookingUtensil	Cooking_Fats	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
MexicanCuisine	MedicalSciences	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Flavor	Flora	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Flavor	FlavouredMilk	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Flavor	Flavourings	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>

Flavor	Flavoured_Milk	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Flavor	FlowRate	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
IndianCuisine	Indian_Elephant	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
IndianCuisine	IndianElephant	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
IndianCuisine	Indian	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
IndianCuisine	Indium	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
IndianCuisine	Individual_Feeding	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Ingredient	Intestines	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Ingredient	Intelligent	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
Ingredient	Indulgent	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
Ingredient	Indian	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
Ingredient	Indifferent	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasServingSize	Hearing	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
hasServingSize	Harvesting	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
hasServingSize	Harvesting_Losses	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
hasServingSize	HarvestingLosses	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
hasServingSize	Has	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasCookingUtensil	hacking	<a href="http://www.cstb.fr/eCognos">http://www.cstb.fr/eCognos</a>
hasCookingUtensil	Cooking	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
hasCookingUtensil	hasGPSCoordinates	<a href="http://www.semanticweb.org/ontologies/2011/4/accomm">http://www.semanticweb.org/ontologies/2011/4/accomm</a> <a href="http://www.semanticweb.org/ontologies/2011/4/accomm">cz.owl</a>
hasCookingUtensil	Has	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
hasCookingUtensil	Hacking	<a href="http://www.cstb.fr/eCognos">http://www.cstb.fr/eCognos</a>
Dish	Disgust	<a href="http://gumo.org/2.0/">http://gumo.org/2.0/</a>
Dish	Deois	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Dish	Dris	<a href="http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c">http://www.ontologydesignpatterns.org/ont/fao/agrovoc.c</a>
Dish	Fish	<a href="http://www.phinformatics.org/Assets/Ontology/umls.owl">http://www.phinformatics.org/Assets/Ontology/umls.owl</a>
Dish	Ditch	<a href="http://www.geonames.org/ontology/mappings">http://www.geonames.org/ontology/mappings</a>

## CLASS HEIRARCHY VALIDATION

Rigidity is correctly maintained.

Identity is not correctly maintained. Subclass hierarchy is not correct.

Unity is correctly maintained.

## VOCABULARY RECOMMENDATION

Class/Property	Source	IRI
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Name		
CuisineType	Vehicle Sales Ontology	IRI: <a href="http://purl.org/vso/ns">http://purl.org/vso/ns</a> (RDF/XML, HTML)
CuisineType	BIBFRAME	IRI: <a href="https://id.loc.gov/ontologies/bibframe.html">https://id.loc.gov/ontologies/bibframe.html</a>
CuisineType	ov	IRI: <a href="https://vocab.org/open/">https://vocab.org/open/</a>
CuisineType	xsd	IRI: <a href="https://www.w3.org/TR/xmlschema11-2/">https://www.w3.org/TR/xmlschema11-2/</a>
Dish	AIISO	IRI: <a href="https://vocab.org/aiiso/schema">https://vocab.org/aiiso/schema</a>
Dish	BIBFRAME	IRI: <a href="https://id.loc.gov/ontologies/bibframe.html">https://id.loc.gov/ontologies/bibframe.html</a>
Dish	Whisky	IRI: <a href="https://vocab.org/whisky/terms">https://vocab.org/whisky/terms</a>
Dish	EmOCA	IRI: <a href="http://ns.inria.fr/emoca/">http://ns.inria.fr/emoca/</a>
Dish	mil	IRI: <a href="https://rdf.muninn-project.org/ontologies/military-en.html">https://rdf.muninn-project.org/ontologies/military-en.html</a>
Dish	ov	IRI: <a href="https://vocab.org/open/">https://vocab.org/open/</a>
EastIndianCuisine	BIBFRAME	IRI: <a href="https://id.loc.gov/ontologies/bibframe.html">https://id.loc.gov/ontologies/bibframe.html</a>
CookingUtensil	BIBFRAME	IRI: <a href="https://id.loc.gov/ontologies/bibframe.html">https://id.loc.gov/ontologies/bibframe.html</a>
CookingUtensil	EmOCA	IRI: <a href="http://ns.inria.fr/emoca/">http://ns.inria.fr/emoca/</a>
Flavor	Linked Earth landing	IRI: <a href="http://linked.earth/ontology/#">http://linked.earth/ontology/#</a>
Flavor	EmOCA	IRI: <a href="http://ns.inria.fr/emoca/">http://ns.inria.fr/emoca/</a>
Flavor	eeo	IRI: <a href="https://c4i.gmu.edu/CMRE/eeo/0.1.0/index.htm">https://c4i.gmu.edu/CMRE/eeo/0.1.0/index.htm</a>
Flavor	ov	IRI: <a href="https://vocab.org/open/">https://vocab.org/open/</a>