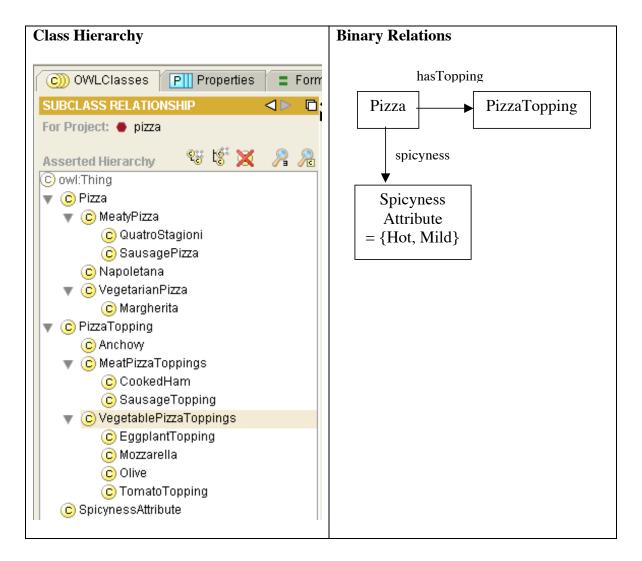
Tutorial 1

The objective is to define reusable resource describing items sold on-line by Pizza Inc. – traditional pizzas. The purpose is to support software design and development by providing an underlying model for website design, and data exchange between systems for product ordering and order tracking. The granularity of the ontology is from categories of products, to individual items ordered by customers. The scope is limited to pizzas and pizza toppings, viewed from the perspectives of i) the composition (ingredients) of the pizzas, ii) likely dietary requirements of customers, limited to suitability for vegetarians and spicyness.

Glosssary of Terms

			Type	
1		Flat baked dough covered with tomato sauce cheese and other toppings	concept	
		A pizza with mozzarella, tomatoes, olive oil, basil	concept	
Pizza alla Romana		A pizza with mozzarella, tomatoes, anchovies, olive oil, and oregano	concept	
Four seasons		A pizza with cooked ham, tomatoes, mushrooms, artichoke, eggplant	concept	
		A pizza with some meat topping	concept	
		A pizza with no meat or fish topping.	concept	
		A pizza with pork sausage and green peppers, mozeralla and cheese.	concept	
		Identifies that toping(s) a pizza may have.	relation	
		Identifies the hotness, in the sense of being spicy, of a dish.	instance attribute	
		Chopped tomatoes used in toppings	concept	
		Anchovy, a fish, usually in oil.	concept	
		Olive	concept	
		Pork sausages used as toppings	concept	
Aubergine		Eggplant, usually roasted when used as a topping	concept	
		Hot degree of spicyness	instance	
		Mild degree of spicyness	instance	
		Category of all pizza toppings	concept	
		Pizza toppings suitable for vegetarians	concept	
		Pizza toppings that are or contain meat	concept	
		A category for the instances (values) Hot and Mild	concept	
	Romana Four seasons	Romana Four seasons Aubergine	Romana A pizza with cooked ham, tomatoes, mushrooms, artichoke, eggplant A pizza with some meat topping A pizza with no meat or fish topping. A pizza with pork sausage and green peppers, mozeralla and cheese. Identifies that toping(s) a pizza may have. Identifies the hotness, in the sense of being spicy, of a dish. Chopped tomatoes used in toppings Anchovy, a fish, usually in oil. Olive Pork sausages used as toppings Aubergine Eggplant, usually roasted when used as a topping Hot degree of spicyness Mild degree of spicyness Category of all pizza toppings Pizza toppings suitable for vegetarians Pizza toppings that are or contain meat A category for the instances (values) Hot and	



Concept Dictionary

Name	Synonym	Acronym	Instances	Class	Instance	Relations
				Attributes	Attributes	
Pizza					spicyness	hasTopping
PizzaTopping						hasTopping
SpicynessAttribute			Hot,		spicyness	
			Mild			

The domain of *hasTopping* is Pizza, the range is PizzaTopping. A pizza can have any number of toppings so this is not a functional relation and cardinality cannot be defined. This relation has no other properties (transitivity, symmetry etc).

The domain of *spicyness* is Pizza, the range is SpicynessAttribute. Spicyness is an attribute, it is functional (a pizza cannot be both Hot and Mild). This relation has no other properties (transitivity, symmetry etc).