

Unit 10: Reasoning with Protégé

Formative Activities.

Student: Anastasia Rizzo

Read Chapter 6 - More on Open World Reasoning of Horridge, M. (2011), A Practical Guide To Building OWL Ontologies, Using Protege 4 and CO-ODE Tools. Manchester: University of Manchester.

Then work through a practical example by following Chapters 3 and 4 and create a NonVegetarianPizza using the steps outlined in Exercise 52.

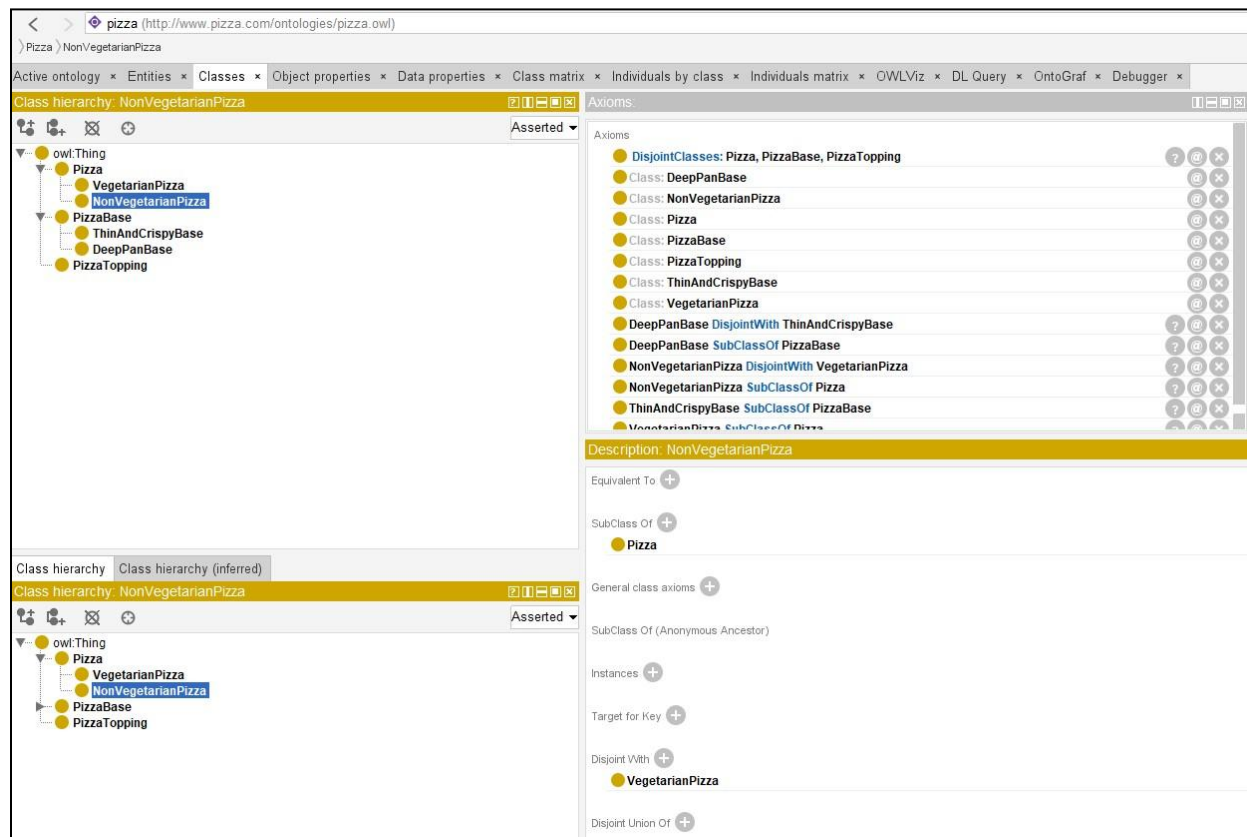
Answer:

Exercise 5.2: Create Non-Vegetarian Pizza as a Subclass of Pizza and Make It Disjoint to Vegetarian Pizza

Select 'Pizza' in the class hierarchy on the 'Classes' tab. Press the 'Add' icon () to create a new class as the subclass of 'Pizza.'

2. Name the new class 'Non-Vegetarian Pizza.'

3. Make 'Non-Vegetarian Pizza' disjoint with 'Vegetarian Pizza.' While 'Non-Vegetarian Pizza' is selected, go to the 'Class description' view and press the 'Add' icon () on the 'Disjoint classes' section.



References:

Debellis, M. (2021) *A Practical Guide to Building OWL Ontologies Using Protégé 5.5 and Plugins*.