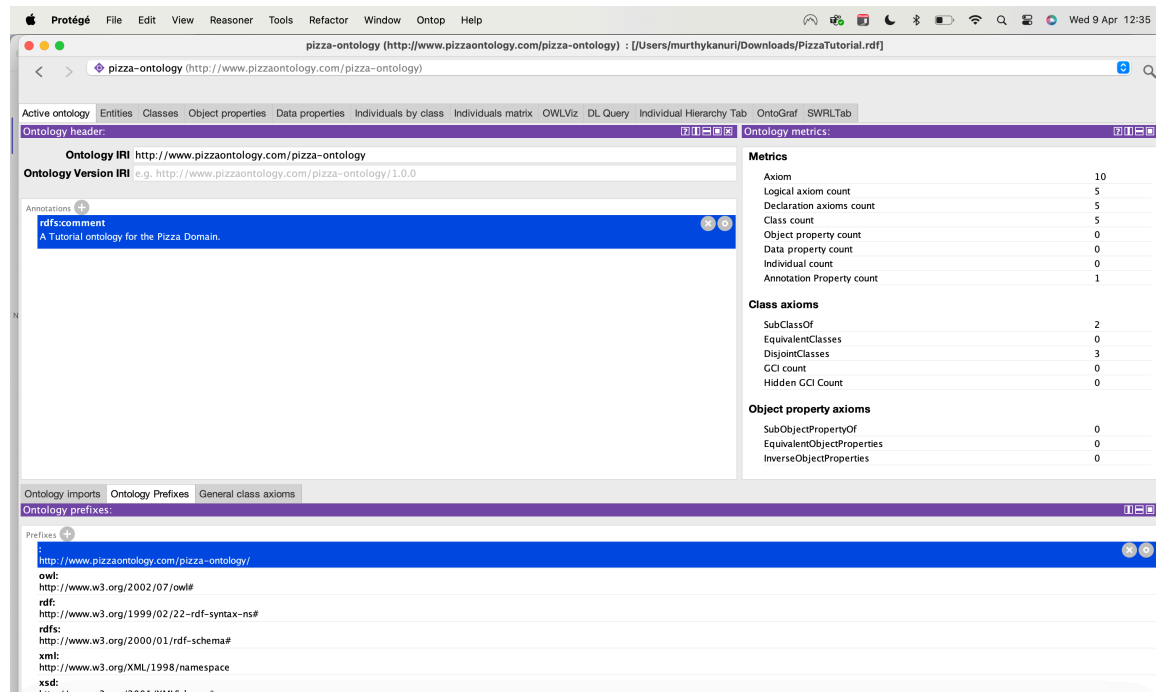# Knowledge Representation and Reasoning
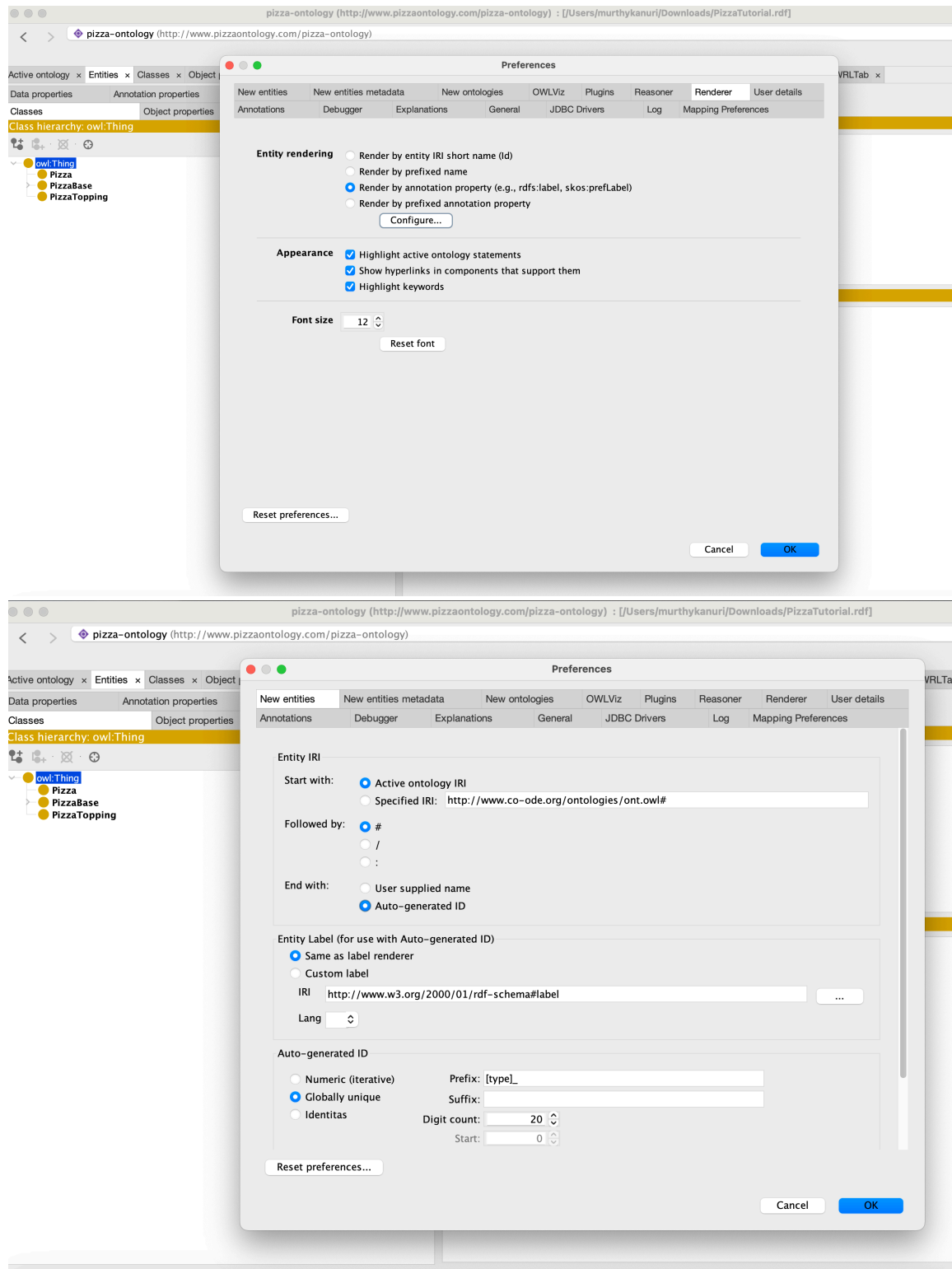
# Unit 8: Modelling with Protégé

# Formative Activities

# Exercise 1: Create a New OWL Ontology

- Open **Protégé 5.5** and create a new OWL ontology.
- Set a name like pizza-ontology and define a base IRI, e.g., http://www.pizzaontology.com#.
- Save your file with the. owl extension.

# Exercise 2: Set the Preferences for New Entities and Rendering

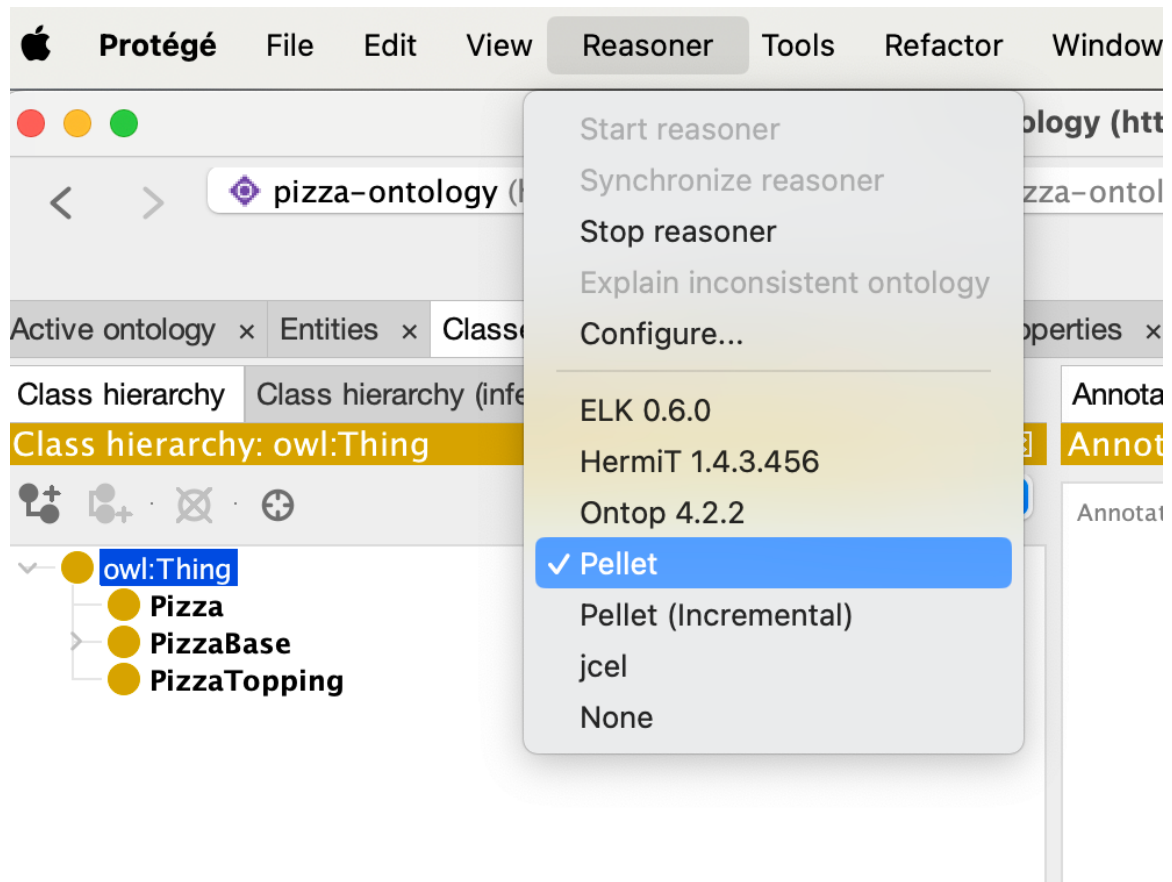# Exercise 3: Add a Comment Annotation to Your Ontology



# Exercise 4: Create classes: Pizza, PizzaTopping, and PizzaBase

# Exercise 5: Install and Run the Pellet Reasoner

# Exercise 6: Make Pizza, PizzaTopping, and PizzaBase disjoint from each other

Exercise 7: Use the Create class hierarchy tool to create subclasses of PizzaBase