Activity 2 : Building an Ontology

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1. **Pick a domain**
    - Sub
2. **Questions**
    a. Which subs contain Onion as a Vegetable?
    b. Is paneer_tikka Sub Vegetarian?
    c. Does chicken_tikka Sub contain egg?
    d. Which subs cost less than Rs 200?
    e. Is paneer_tikka sub made of Multigrain bread?
    f. What is the cost of mexican_patty sub?

3. **Important Terms**
    a. hasSize: [6”, 12”]
    b. madeOf
    c. Bread : [“Parmesan Oregano”,”Multigrain”,”White Italian”,”Flat Bread”]
    d. containsVegetables
    e. Vegetables : [“Olives”,”Cucumber”,”Tomato”,”Pickle”,”Capsicum”,”Onion”]
    f. containsSauces
    g. Sauces : [“Honey mustard”,”Southwest”,”Red chilli”,”Mint Mayo”,”Marinara”,”Mayo”]
    h. Sides
    i. Ingredient
    j. hasIngredient
    k. isVeg
    l. hasCost
    m. containsEgg
    n. mexican_patty
    o. paneer_tikka
    p. mayonnaise
    q. aloo_patty_signature_wrap
    r. tomato
    s. brownie

4. **Divide the terms into classes, properties and individuals**

   Classes:

   - Wrap
   - Sub
   - Bread
   - Vegetable
   - Sauce
   - Side
   - Ingredient

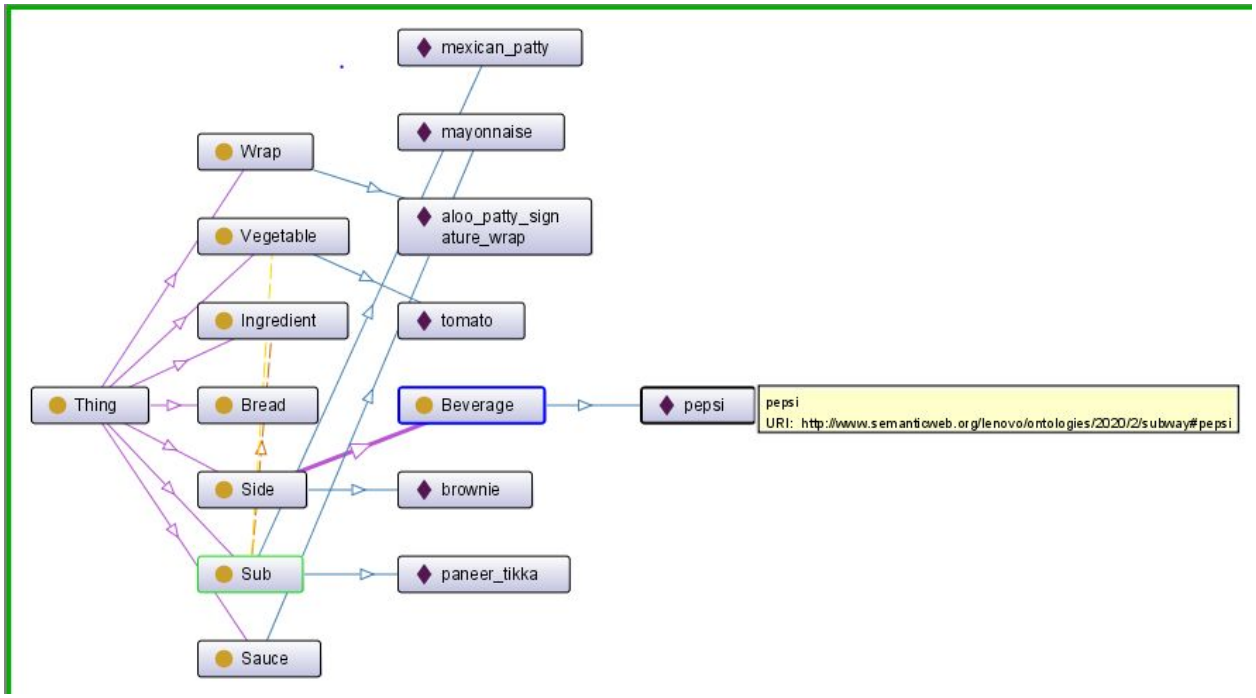
   Properties:

   - hasSize
   - hasIngredient
   - isVeg
   - containsEgg
   - containsVegetables
   - hasCost

   Individuals:

   - mexican_patty
   - paneer_tikka
   - Mayonnaise
   - Aloo_patty_signature_wrap
   - tomato
   - brownie

The graph after creating ontology looks as follows:


mexican_patty
mayonnaise
Wrap
aloo_patty_sign ature_wrap
Vegetable
Ingredient
tomato
Thing
Bread
Beverage
pepsi
pepsi
URI: http://www.semanticweb.org/lenovo/ontologies/2020/2/subway#pepsi
Side
brownie
Sub
paneer_tikka
Sauce