

## **Ontology Description**

I have decided to create an ontology on the broad categories of alcohol. Each class is a variation of alcohol based on different ingredients. In some cases ingredients appear in the same subclasses of a parent class however other inputs create distinct beverages causing the creation of different subclasses. While I was exploring the different types of alcohols I learned that there were a lot more varieties than I previously knew about. Additionally I did not know such unique ingredients, such as juniper, were used in common alcohols such as gin.

The starting point for the ontology will be separating the different types into classes i.e. (beer, wine, vodka, etc.). From there each class of alcohol has their own variations such as red versus white wine. The only class that doesn't have a subset is Liqueurs. This category of alcohol has a vast array of variations, too many to properly categorize. Additionally different types of Liqueurs are defined differently by brand name rather than type, given the ontology is solely focused on types rather than brands this class was left alone. In terms of object properties I used ingredients, carbonation, cocktail input and whether to alcohol is typically served cold.