COMP9321 Assignment 3

Name: Wine Price Prediction System

**Documentation:**

This system is for wine price prediction and searching information based on our wine database. There are four distinct functions, which are price prediction, Rank query, review system and fuzzy matching. You can predict the wine price on your specific demand. You also can query the rank of wine based on our database and if you want, you can share your feeling to a specific wine, we will provide your review to other users. What’s more, you can find a wine by using our fuzzy matching function when you don’t know the name but you remember the taste. Please enjoy our service.

**Prediction**:

The main function is price prediction of wine for given Country, variety and winery. There are 3 input fields: country, variety and winery. Users must fill in at least two of them to get a forecast price (or a range). In addition, we will recommend three relative wines based on what you input and the average score we get from review system.

**Rank**:

The ranking function aims to recommend wines with high score for given Country, Variety and Price. There are 4 input fields: country, variety, price and integer N. An integer N is required from user to get a top N wines under the three conditions, where N can be an integer value between 1 and 20.

**Review**:

Review function allows users to check other people’s comments. Also, user can give a comment and score (1-5) for a specific wine. This scoring system will be used for recommendation in prediction function.

**Matching:**

This is a similarity searching function for the users who do not know details about the wine but have drunk before to find the particular wine. Users need to select type of wine and some feature of taste as inputs, then the function will return the most similar result.