**Hungary Waters Project Proposal**

For this project, I will create a relational database for the Hungary Waters Golf Course Pro Shop using MySQL as the Database Management System software. The database will serve as the infrastructure component to store and track all recorded information relative to the Pro Shop, including product information, product vendor/supplier information, product manufacturer information, member information, and member order information. In practice, it would function as the backbone of the sales application described in the project outline.

The database will be structured to facilitate reports as required from the stakeholders. Namely:

1. A report that lists the product number, price, and quantity on hand for all items in the pro shop ordered by supplier.
2. A report that lists all club members, their name, address, and number of years that they have been a member.
3. A report that lists all members who have been a member for over 10 years, sorted by last name
4. A report that lists the golf balls in stock along with price and quantity on hand, sorted by manufacturer.
5. A report lists all members with a past due balance.
6. A report lists all suppliers and their addresses, sorted by state.

SQL commands will be given to execute each report, which can in turn be used as the basis for the sales application code relative to the database. In facilitating these reports, all tables will be created in 3rd normal form to avoid data integrity issues. Further, a data dictionary and ER Diagram will be provided as reference models to illustrate the architectural details of the database and provide a foundation for potential further development. Dummy data shall be provided to test functionality.