# Project Requirements and Database Design

## Project Requirements

Definition of the system. – Stores data about the list of licences that the client sells and then record purchase when a customer buys a licence.

Scope of the system – The scope of the database that it will accessed by the server to display the list of licences to the user before purchasing a licence and to read the price of a licence. The database is then written to when a user has purchased a licence with details of the user and the purchase. On the admin side of the website, it reads details about the purchase history and allow them to modify details about a licence. When a customer has logged it then it reads details about the customers purchases.

List the entities within the Universe of discourse.

* Customers
* Licences
* Tiers
* Licence Lengths
* Prices
* Purchases
* Countries

List all system requirements and business rules.  
The system needs to store the basic details about a licence i.e. name and description. For each licence they have their own tiers that can change. The prices table joins together the tiers and the licence length tables and has a price for each which will change so the history of the prices for a tier and length need to be stored so that the client can see the history of the price.

Details of the purchase must be stored with details about the customer, licence purchase and the price the customer paid.

## Database Design

Explanation of the schema