**Case Study: Building a Personal Recipe Web Site**

**Project Description:** Our client is a food enthusiast who wants to create a personal recipe web site where he/she can store and share his/her favourite recipes with friends and family. The web site should allow the user to add, edit, and delete recipes, as well as search for recipes by various criteria such as ingredient, category, and cuisine. The website should have a simple login screen to access the web site CMS (for the scope of the case study the login and password can be defined (fixed) in the website configuration) and a public web site (public users will be able to view recipe details and search by various criteria such as ingredient, category, and cuisine).

**Technologies to be used:**

* C# and Dot Net 6 or Equivalent
* MS SQL Server or Equivalent

**Project Scope:** The project will consist of the following components:

1. **User interface:** The web site will have a simple, user-friendly interface that allows the user to easily add, edit, and delete recipes, as well as search for recipes by various criteria.
2. **Database:** The web site will be connected to a SQL Server database that will store all the recipes and related information.
3. **Data access layer:** A data access layer will be created using C# to connect to the database and perform CRUD (create, read, update, delete) operations on the data.
4. **Business logic layer:** A business logic layer will be created to handle the processing of data between the user interface and the database.

You may wish to employ any design pattern or frameworks to aid you in the UI/ UX design and web site functionality such as MVC.

The deadline to submit the solution is **Thursday 8th February at 5pm**. You will need to submit via email a zip file or shared location, including all the solution files as well as the database schema (script).

During the upcoming interview (which will be scheduled over the coming days) you will be asked to demo the solution and explain the rationale behind your design.

*Good luck!*