Project 2: Project Requirements

In this project, you will **design**, **implement**, and **test** a database for a healthcare center. Detailed requirements are provided below in addition to everything mentioned in Project 2 statement. It is used as one part of the grading rubric and please follow this carefully.

Design:

1) Include **everything** provided in Project 2 statement file. Points will be deducted based on the percentage of missing pieces.
2) **Only** MS Visio or similar tool is allowed for your design. Do **NOT** use SQL server management studio to generate your design graph.
3) Please do **NOT** cross lines between tables and make your design easy to read. A **full screenshot** of your design is required, which should also be readable.
4) **CamelCase** naming standard is required (If a name is formed of multiple words that are joined together as a single word, the first letter of each of the multiple words should be capitalized and no underscore is allowed). Incorrect capitalization will lose points.
5) Please use **full word** to name your tables/columns. Do **NOT** use shortcuts.

Implement:

1) Determine primary keys, data types, nullabilities and relationships reasonably. These should follow the **real world**. For example, do **NOT** use "Table1" or "Person2" as your database entry content. Every record of data should have real meaning, like "PersonInformation" etc.
2) Please **code** the creation of database (including tables, data insertions, queries, basically every part that needs SQL code) by yourself. **No** auto-generation of SQL code is allowed.

Test:

1) For data loading to test your database, each table should have around **5** records with real meaning (same as Requirement 1) in Implementation part). Proper datatypes are required. Using meaningful data to demonstrate your database work properly.
2) For testing part, **views/functions/stored procedures/scripts** can be used to verify your database design. Again, scenarios should be meaningful. Any scenario like "Create a view to show all customers' information" will **NOT** be accepted.
3) For every scenario, please add a sentence before to demonstrate the **purpose** of that scenario. Please use SELECT/EXEC to verify results of your scenarios.
4) To test your database, the design and data everyone loaded must be **different**. Teamwork is **NOT** allowed.