Week 4 Task

Build a data collation system that collects the personal and medical details of patients within the ages of 20 – 45 and predicts the chances of each individual to die from a new COVID variant based on the following assumptions:

1. If the individual has a body temperature above 38 degrees Celsius then the person stands a 5% chance of dying for every degree more than 38.
2. If the individual has a heart rate above or below 85bpm then they stand a 2% chance of dying for every 5bpm above or below.
3. Individuals above the age of 40 with cardiac related conditions stand a 7% chance of dying.
4. Individuals with diabetic history stand a 12% chance of dying.
5. Individuals who have suffered fever symptoms for over two days have a 15% chance of dying.

Task 1: Define your data model to capture all necessary data for your assessment

Task 2: Create a user interface for collecting the required data

Task 3: Represent this data in groups of 15% ranges to aid the medical team focus on the more severe cases first. (Note: Every individual has a 1% chance of dying due to their age bracket)

Task 4: Store your data in a suitable collection of your choice

Task 5: Create a user interface for displaying this data.

Hint: Do not bother yourself with bio data that does not aid in meeting your goal. Each individual should have a Name property(ies) and Id for Identification.