Dear Applicant,

Based on your performance in the recently concluded interviews, you have been selected for the next stage of the STO-Database recruitment process. Here, we test your ability to develop solutions with limited input and your ability to guide stakeholders through what you develop. Extra points will be awarded for the useability of the user interface and your ability to walk us through the development process and the outputs.

**Nothing you submit to us will be used for any other purpose outside of this interview process.**

**Attempt any two (2) problems below.**

Test 1:

Design a sample mobile application that pulls weather information from the OpenWeather API (https://openweathermap.org/api). Use the free tier. Your application should have a search interface where you can search for weather forecasts for any location. You should store historical search terms and results in a database. You should be able to use the device location to get the forecast for the user’s current location.

Test 2:

Develop a web application that allows users to upload data using a pre-defined Excel template. The application will extract usable information from the uploaded template and use the data to drive a dashboard.

Test 3:

Using a RADET from any EMR currently in use in Nigeria, develop a template that extracts, for a quarter, the viral load cascade, retention, negative outcomes, TPT and biometrics