



## CASE STUDY

# Smart Glucometer





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## Overview

The client wants to develop a Bluetooth-enabled glucometer system that allows patients to monitor their blood glucose levels effectively and securely, to promote better health management and improved communication with healthcare providers. Corefragment technologies developed the required device with client-specified parameters.



**Region**  
USA



**Industry**  
Healthcare

## Use cases



Glucose level monitoring and alerts



Ability to connect with healthcare provider via email



Glucose level history and reporting





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## Development insights



Each user receives a personalized glucose test kit along with a mobile application.



When a user checks their blood glucose, the glucose reading is transferred to a Bluetooth-connected mobile application through BLE UART.



It also reminds the patient to take glucose measurements regularly and alerts them if the readings are abnormal.



The user can view the history of glucose levels and email the report immediately to the doctor to consult on the checkups.

## Technology used

