

AlertLifeCycle Sequence Diagram:

Information first gets detected by some sort of physical sensors, which sends it to the AlertGenerator to evaluate for whether or not to create an Alert. To do this evaluation, the AlertGenerator needs the context of the patient, their medical history, and retrieves this from the DataStorage object. Then, in case an alert is created, a new Alert Object is instantiated, which confirms the creation of the Alert, inducing the AlertGenerator to send the alert to staff, who confirm their receipt of the alert, and eventually notify the Alert class when the Alert has been resolved.