KERICHO COUNTY HOSPITAL COVID-19 PATIENTS' TRACKING AND CONTACT TRACING SYSTEM

UNIVERSITY OF KABIANGA HEALTHIT HACKATHON 2020

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PROBLEM TO BE SOLVED.

- ➢ DIFFICULTY IN KEEPING COVID-19 PATIENTS' RECORDS AND THEIR RESULTS
- ➢ WRONG CONTACTS OF THE TESTED PATIENTS
- ➢ LACK OF ALERTS ABOUT COVID-19 STATUS TO THE TESTED PATIENTS

SOLUTION.

- There will be easy keeping of the tested patients' records.

- The hospital will get the correct contacts of the tested patients. For easy tracking.

- The tested patients will be alerted on their statuses of covid-19 disease via automatically system generated message. This will reduce the time used to contact trace the patients and proper isolation process.

IMPLEMENTATION.

Kericho County Hospital COVID-19 Tracking and Contact Tracing System is a system capable of capturing the details of the staffs handling it, patients' details (which are stored in a database) who come for testing at the facility or those who are tested outside the facility, and finally, it alerts those who have tested positive for the disease so that they isolate themselves to prevent further transmissions to the unaffected ones. Positive patients' records are stored and needed measures are taken. If the patient

FINANCIAL FEASIBILITY:

1. Time is money. Much less time will be used to trace those patients who have tested positive for the disease.
2. It will prevent further re-infections hence saving on the cost of more Personal Protective Equipments.
3. If the patient is put on early medications he/she will use less costly drugs hence saving.
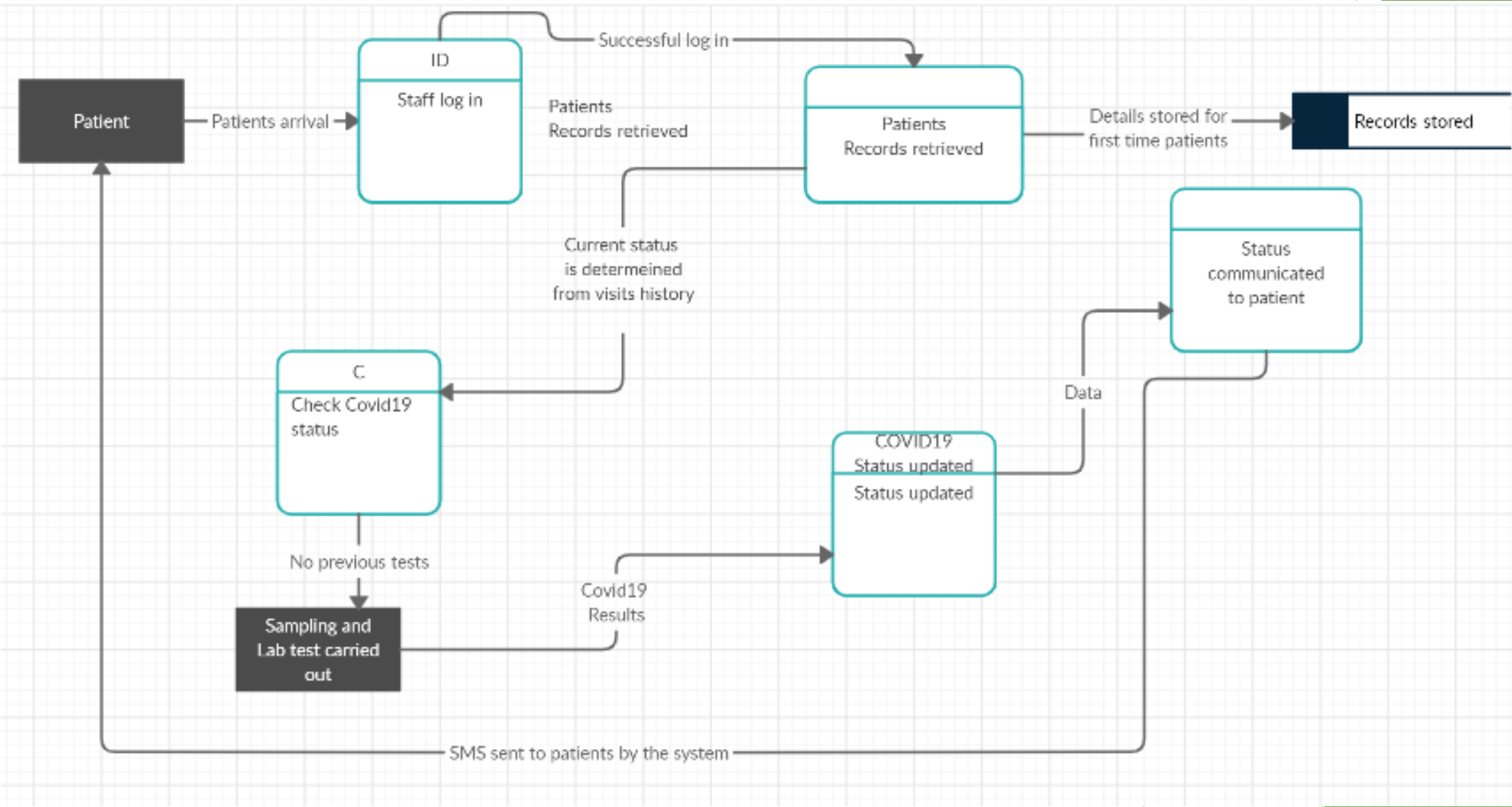4. Proper and early isolation will save on the cost of putting up beds for more patients.

SUSTAINABILITY

❖ Having this programs done & maintained by interns/students instead of experts, will reduce on the cost.

❖ Searching for funding through proposals writing to various medical organizations that deal with COVID-19 like KEMRI, private facilities etc.

❖ Partnering with the county government will enhance good managing of the system together with the lab, public health & health records departments This will reduce its expensivity.

SOCIAL IMPACT

- ✓ This project has a social impact whereby, the tested people will not stay long waiting for their results, there will be no going around of public health staffs looking for the patients tested +ve for the disease. This also enhances social distancing required to curb the disease.
- ✓ There will be reduced impersonations whereby, the patient who went for testing, is the only patient that will be alerted on his/her status.
- ✓ There will be reduced stigmatizations currently experienced by the patients tested +ve for COVID-19 whereby, the statuses for the disease will not be announced by people seeing ambulances coming for the patient.

DATA FLOW DIAGRAM

TABLES RELATIONSHIP