



Step 1: Start

Step 2: Read COVID M Sample

Step 3: Read COVID 19 Sample

Step 4: Input Patient Sample

Step 5: Mix and Process Samples

Step 6: If positive
Print positive

else

Print Negative

Step 7: End

2a

Software:

Input Column: This includes the area for the Manufacturers to put in data or information for publishing.

Edit Column: For the already inputted data, this is the section for editing of already posted information.

Regulator: A notifier for the manufacturers of the app to continuously source for new information and data for posting.

Area/group Specifier: This is a program of the app that ensures the grouping of information to particular geographical area.

Databank: This is also a program of the app that ensures the data for edited information is stored.

Publishing access/ access control: This is the part that regulates which access given either to a user or Manufacturer.

2b

Hardware:

Capital for Sponsorship: This involves the amount of money and equipments needed for this particular app.

Specification/ Areas: This is the list of areas or states, countries to be included in the app.

Body for Information: This is a body of members in a specification for gathering information.

App Code writers: This involves the people in charge of the machine language and writing of codes needed for the app.

Body for editing Publishing and Dissemination: Two manufacturers are part of this group they edit, publish and share the information to the general public.

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1a) Conceptualization: A general idea or overview of the app which includes an app like facebook which anyone can log into to get information concerning COVID 19

b) Specification:

Hardware:

- i) Capital for Sponsorship
- ii) Specification/ Areas
- iii) Body for Information
- iv) App/codes writers
- v) Body for editing, publication and dissemination

Software

- i) Input Column
- ii) Edit Column
- iii) Regulator/Reminder
- iv) Area/group specifier
- v) Date timer
- vi) Publishing/Access/access Control

c) Design: This is a step by step breakdown of how the system for the COVID-19 works, this involves Algorithm - flowchart - state diagram

d) Implementation: Carrying out implementing the applications which includes writing codes using programming languages.

e) Testing and Debugging: The logical and syntactic errors may prevent the app from running and the act of removing them is called debugging while testing has to do with testing the various errors stage by stage.

f) Release and Update: This is when the app has been publicised and update is receiving the feed back of users to get new ideas for better features and easier use.