

This app will have medical history database for patients. COVID-19 check, test results, the answers of the patients and the result of the test will predict the outcome of the case (how ~~bad~~ bad / the stage of the sickness (infection).

These questionnaire include questions like;

- Do you experience cough? Yes/NO
- Do you have fever? Yes/NO
- Do you feel tired? Yes/NO
- Do you have difficulty in breathing? Yes/NO etc

These will determine how severe the case is.

There is provision at which data could be stored and transmitted.

We also make provision for reminders, that would give key points and the DOs and DON'Ts to help the control of the virus; eg;

- Wash your hands, Cover your cough, Keep safe distance, STAY AT HOME etc.

Since the pandemic is spreading so fast, a web-based monitoring health system is required highly.

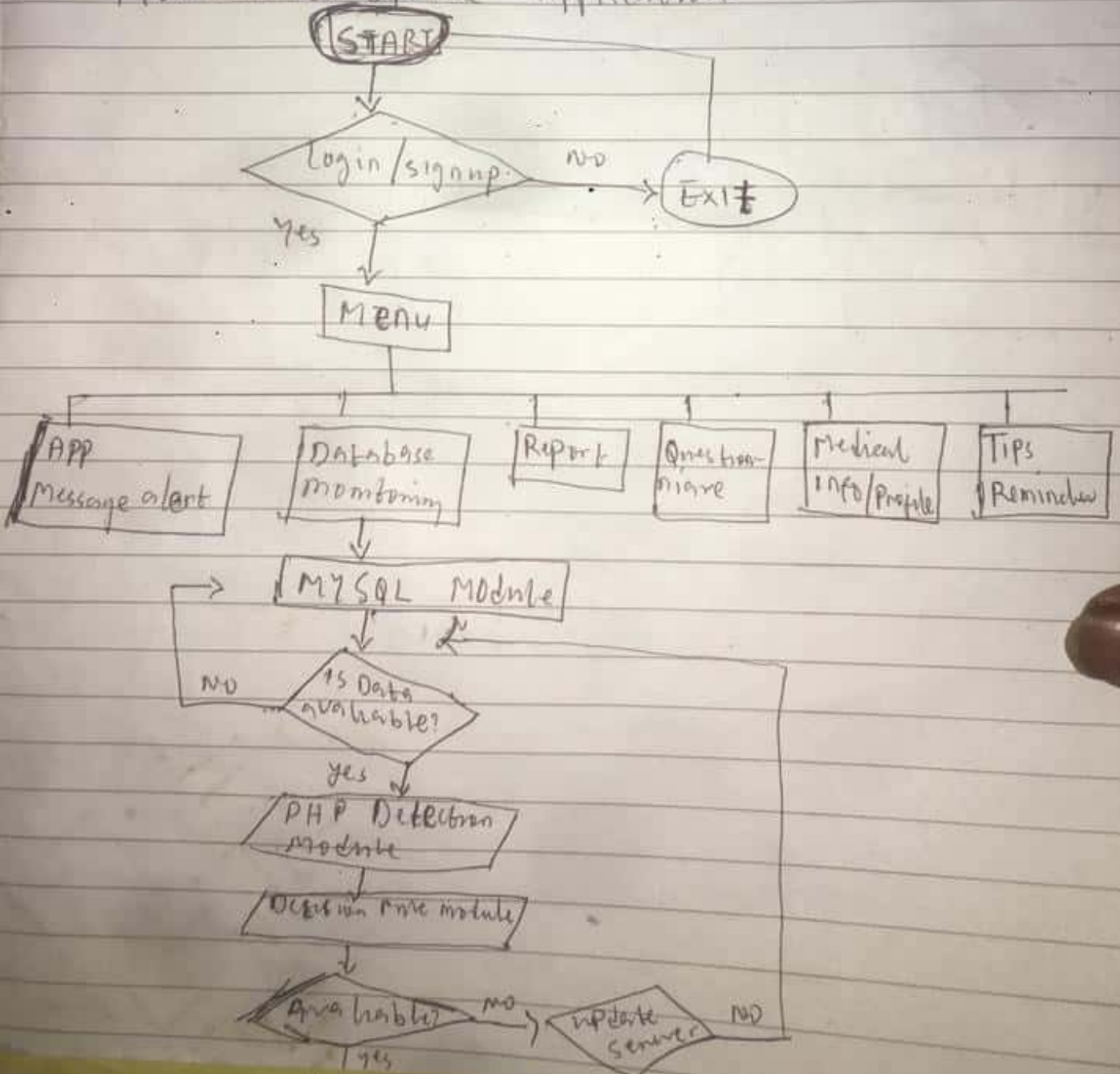
3) Design: This involves the breakdown of the system to give steps on how the application will flow. Using flowchart and/or Algorithm.

4) Implementation: Here the coding for the application is done using programming languages.

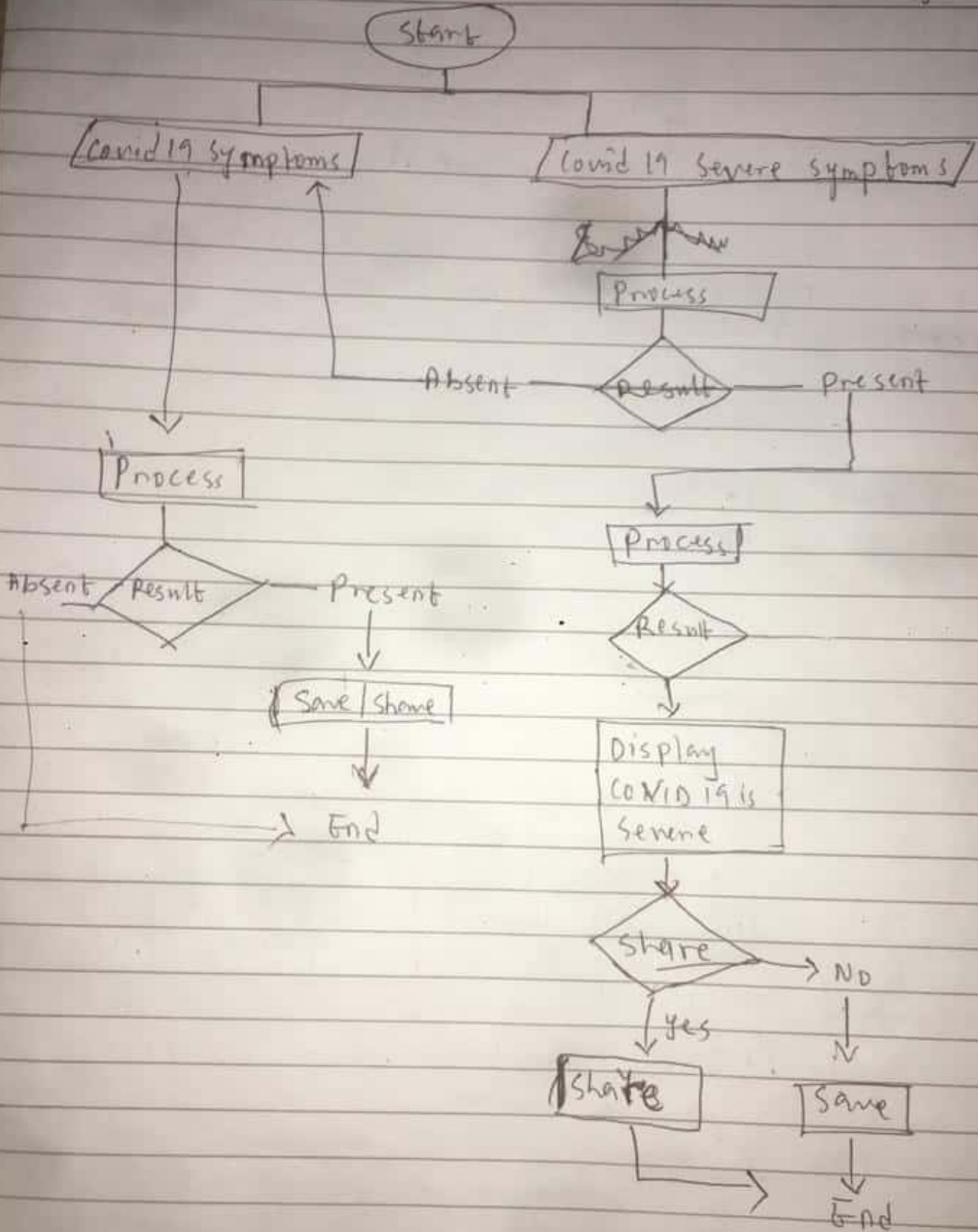
e) Testing and debugging: Logical and syntax errors are removed or "debugged". More than errors are referred to as bugs. Things are removed so the app can function better and avoid crashing/faults.

f) Release and Update: The app is launched, released for use. Updates are made regularly based on user reviews. Better ideas and features are made available in recent updates.

### Flowcharts Of The Application:



# Flowchart to detect how Severe the Sickness is -



1) Conceptualization:

COVID-19 WEB BASED APPLICATION.

The idea and aim is to design a web-based application that is able to detect, display, the degree and rate of infection, store, transmit data obtained wirelessly and access the data via the web. This application helps to detect COVID-19 before it spreads further. It thereby helps in controlling the spread of the COVID-19 (The pandemic).

2) Specification: This app reduces the stress and need for paper records. It helps individuals to be able to monitor their health status (with respect to the subject COVID-19).

It enables one to be self conscious reminding him/her to observe the various safety routine to prevent corona eg washing your hand for about 20sec, keeping social distance, notifications like, "DO NOT TOUCH YOUR FACE". The app is able to detect, show the degree or level at which one's infection/disease/sickness is (Corona virus Disease.)

On this app, one's medical report concerning this subject can be stored, statistics and data can be shared too (using the web, because this app is "web based")

| Hardware                                      | Software                                      |
|-----------------------------------------------|-----------------------------------------------|
| a) i3 (as processor)                          | Graphic User Interface                        |
| b) Sensors                                    | Access control                                |
| c) Intel dual core                            | Questionnaire                                 |
| d) Internet connection                        | Reminders                                     |
| e) Clinical thermometer                       | Alarm                                         |
| f) Storage disk                               | Notification                                  |
| g) Cambridge                                  | Time                                          |
| h) Swabs (for collecting <sup>samples</sup> ) | Error detection                               |
| i) Standing console:                          | Push button, text view, dialog box, edit view |
|                                               | Share/publishing access                       |