Test Station Management Software.

Patient Data Entry Application. Testing.

NOTES.

Simple clean windows 10 Application.

Do not say COVID-19 or any other disease anywhere in the application,

it is just a general workflow tool.

One application – two Modes -***Sample Collection*** and ***Test Station***   
The local Admin user can change mode setting .

Tabs used within each application mode.

Separate Windows 10 SQL server. It can be a physical box or a Microsoft Azure virtual server.   
(just a configuration thing)

Ethernet.

WiFi or Wired

Ethernet.

WiFi or Wired

Sample Entry Application.   
Win 10 Tablet

Sample Entry Application.   
Win 10 Tablet

Sample Entry Application.   
Win 10 Tablet

SQL Server.

Windows 10

Test Station.

Laptop or Tablet Win 10

Test Station.

Laptop or Tablet Win 10

Test Station.

Laptop or Tablet Win 10

**Sample Entry Mode**

Application screen is a data entry form.

Can accept input from external keyboard, touchscreen keyboard and or barcode reader for text fields.

**Data Fields**

Time and Date – Saved when record is saved.

Patient Name

Date of Birth.

Post Code.

Phone no

Email.

Notes Field

SAMPLE ID. (Scan or sample tube barcode, or manual entry )

Test ID - ID number generated when saved. How this is generated TBA.

Test Status. Sample collected. In Progress, Completed. These get updated over time.

Test Result, (in Progress, Indeterminate, Negative, Positive )

**Functions.**

User Login

User roles, (sample entry only , test only, sample and test, local Admin, System Admin.)

Save.

Edit – ***no edit option.***

Recall and display recent entries. Last 5 entries over past 24 hours max only, all earlier data is erased from the local machine. Shows 2D summary barcode

Print to pdf. Includes 2D summary barcode

Print to receipt. 2D summary barcode

**SQL Server.**

Is SQL best option.

Needs to save encrypted data. ? How is key managed protected ?

Needs to be a compliant commercial encryption.

Users and User Roles.

Patient Records.

Test status.

Test Result.

Note no linking of the same patient in multiple tests.   
Just mange each Sample entry as totally new unique data record.

**Test Station Mode**

Status Tab, User can select

list of tests in progress + search function

list of tests waiting + search function.

Completed Tests, with some simple options, Last 20 tests, last 100 tests, last hour, last 8 hours last 24 hours etc.

Detailed search

Test Tab,

User can see connected instruments. (system will also run if instruments are not connected)

User can scan or enter sample ID >>>>. Test details are displayed, and summary 2D barcode.

User Prompted:

Load tubes into available instrument port – scan on screen barcode to start test.

User can set test status to in progress.. test now running on instrument. Manual setting

Once Completed, application will get results from the instrument.- status will progress to “Completed”

Or ser can import results from instruments as data files using USB memory key - status will progress to “Completed”