

Users in contact with an infected person are advised to be tested

and get a new Amber status

through an online platform can self-report

Users can be tested by NHS

certified professionals

Anyone suspicious

COVID-19

The system uses interaction

data stored on phones to notify

other users if

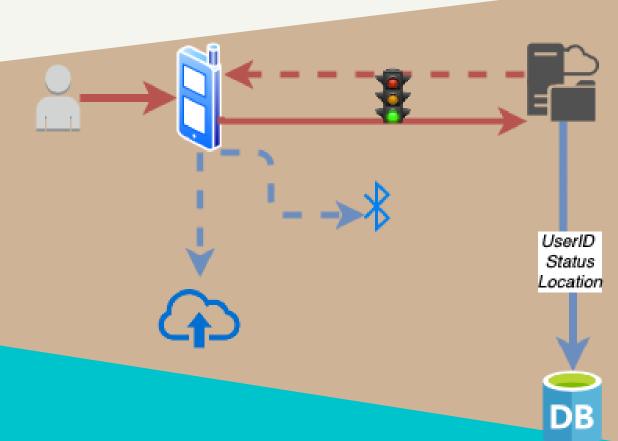
they are at risk

These users then receive notification of their new Green/Red status

4. Medical professionals

update users' status

**Imperial College London - EIE** 



# Register

- 1. Randomly generated ID changes frequently
- 2. Interaction **stored locally.** < 14 days
- 3. Daily backup on cloud to avoid system overload. < 4 days

### **Using our application**

### Self Report.

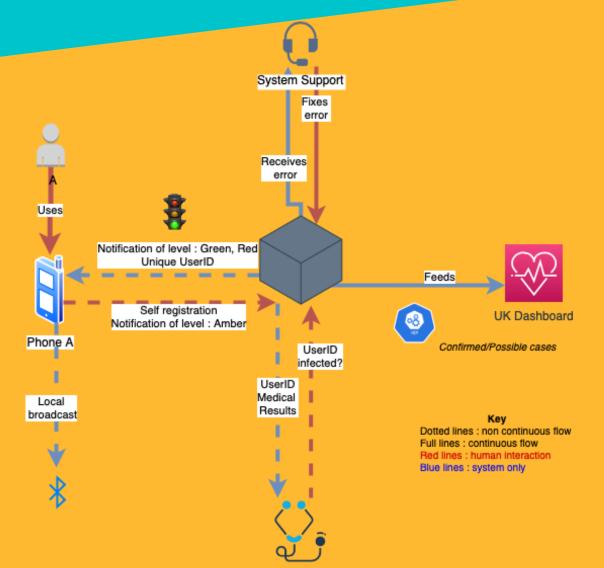
- **A.** Status is automatically updated to minimise user workload.
- **B.** You will receive a notification for each status update and book a medical test through this app.

### **Medical Report.**

- **A.** Take a test with NHS registered professionals.
- B. Minimal workload for medical staff who can batch test.
- **C.** Once available, medical results are sent to users.



# Safety, Security



- 1. Old data is **permanently deleted.**
- 2. Current data backup on database, cloud, device storage.
- 3. **System support** to notify suspicious change of status.
- 4. The "Cone spread" for non-direct interactions notifies users of their risk of infection.
- 5. Real-time dashboard shows virus spread in the UK, updated by the **3-level memory**.