MiniTrace

A Contact-Tracing System to Slow the Spread of COVID-19

EECS 473: Group D

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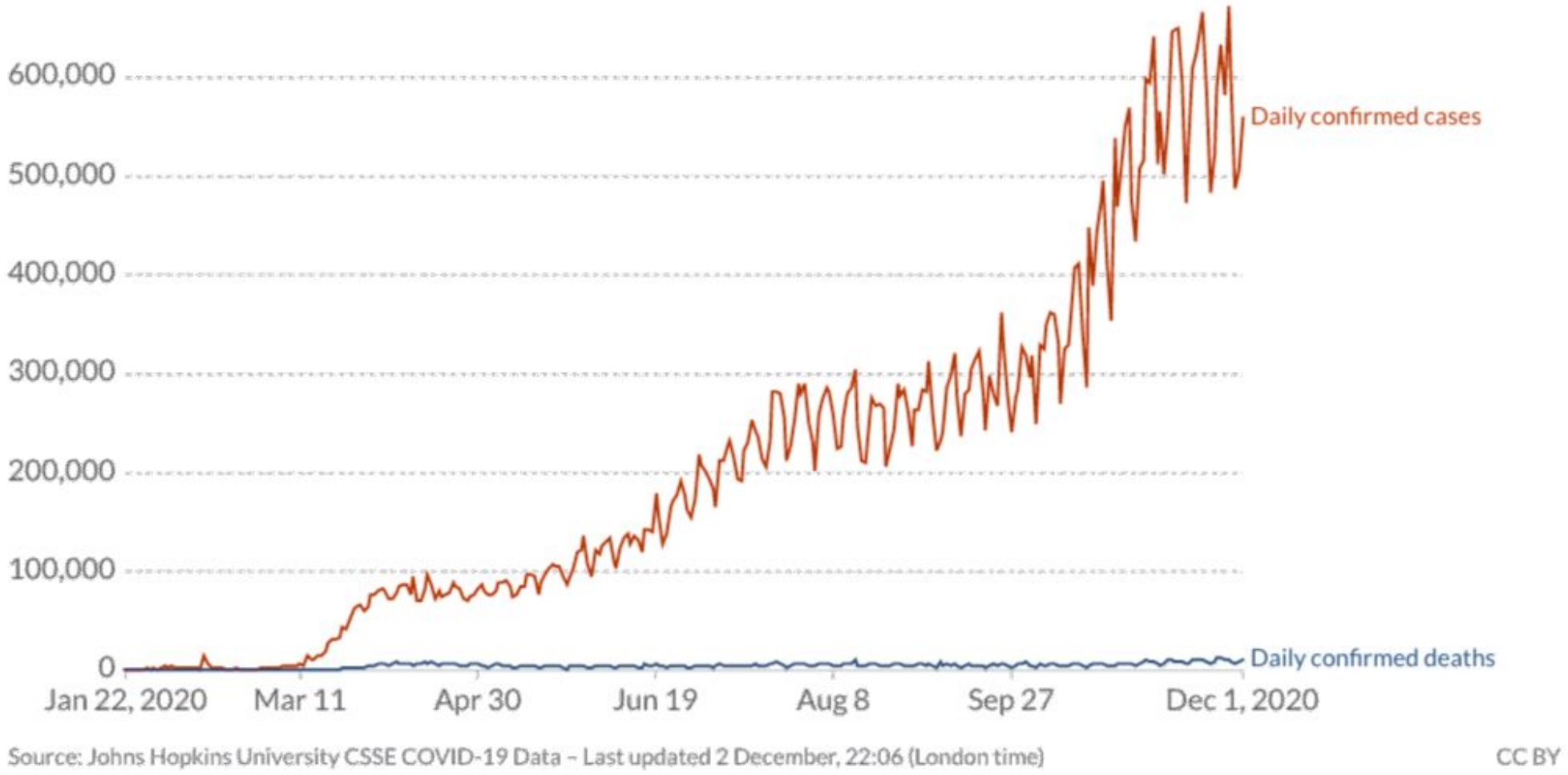
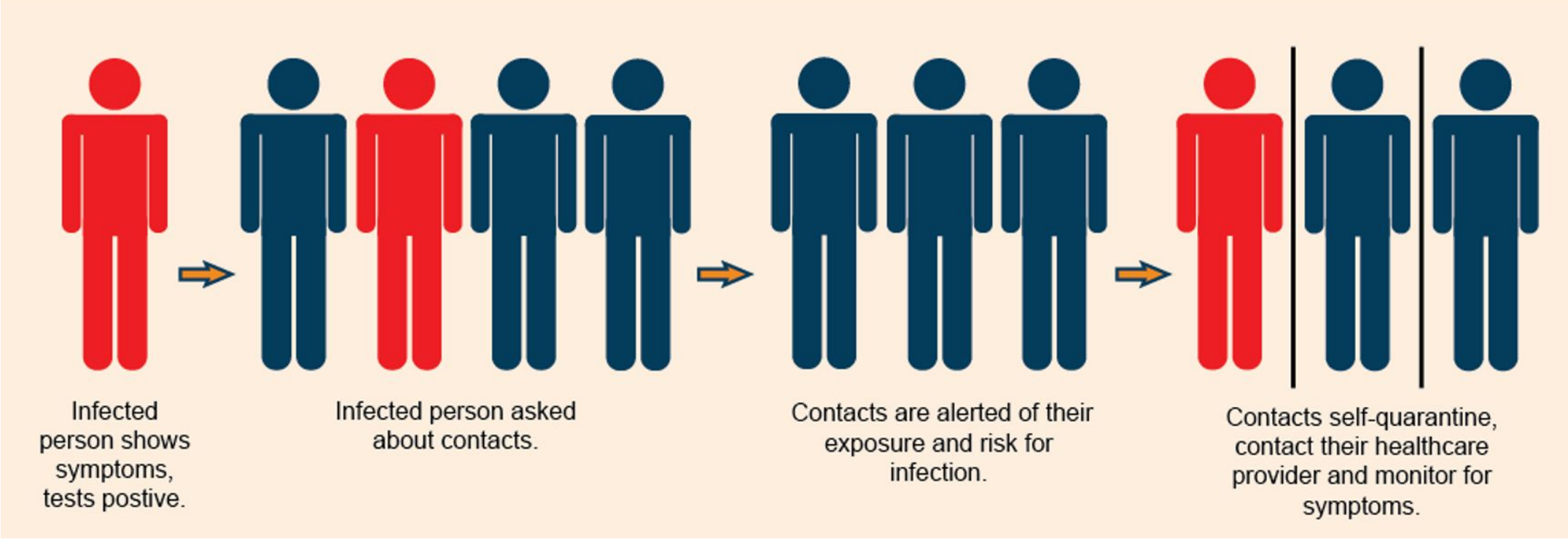
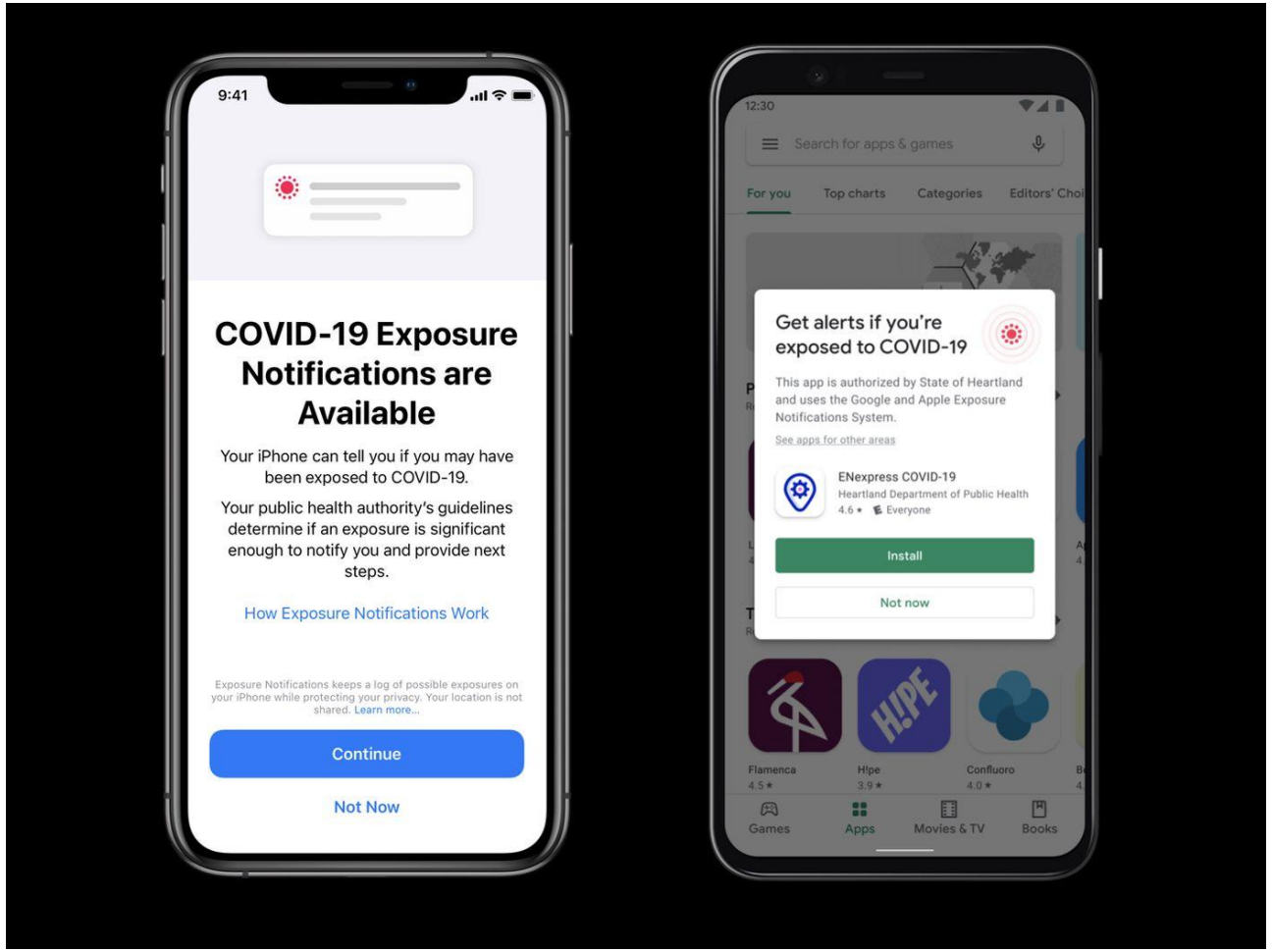
COVID-19 is currently spreading faster than it ever has before, totaling over 60 million confirmed cases worldwide



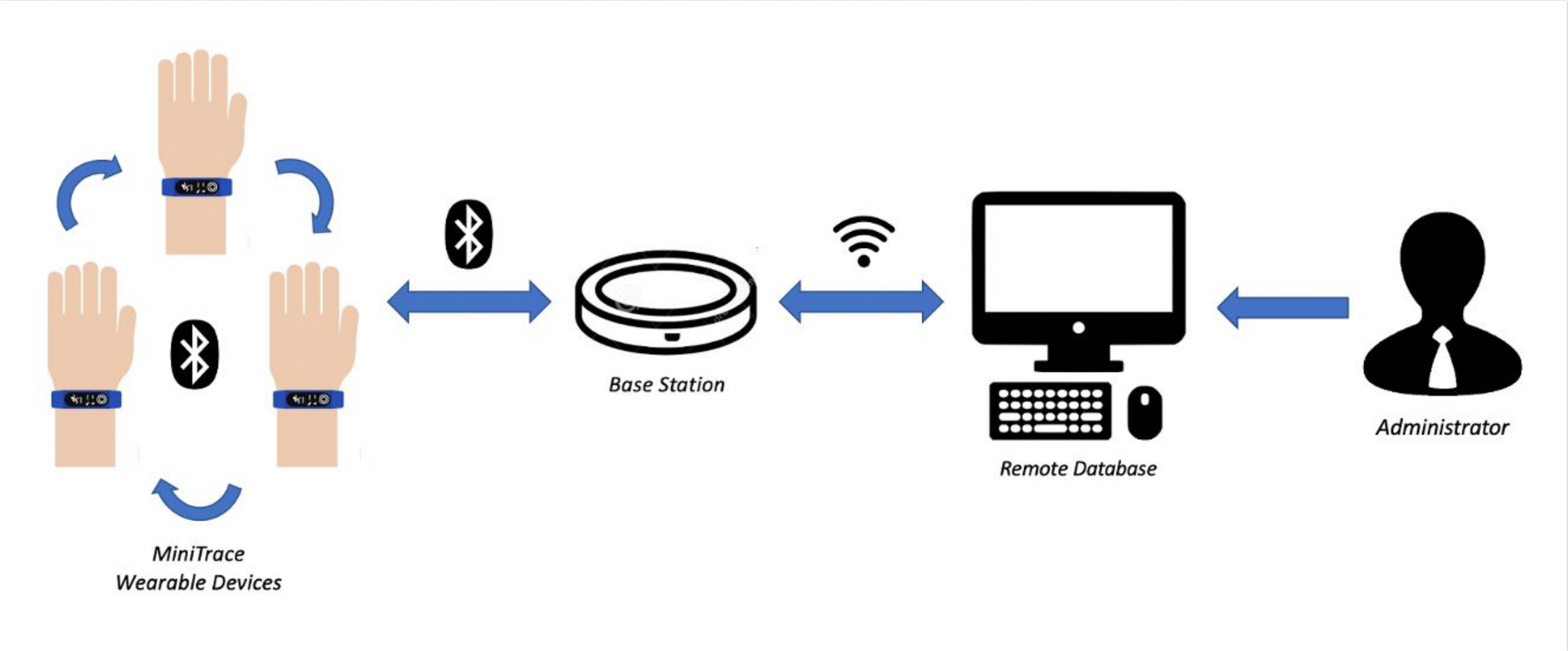
MiniTrace attempts to decrease this rise in COVID-19 cases by tracking possible exposures through contact tracing



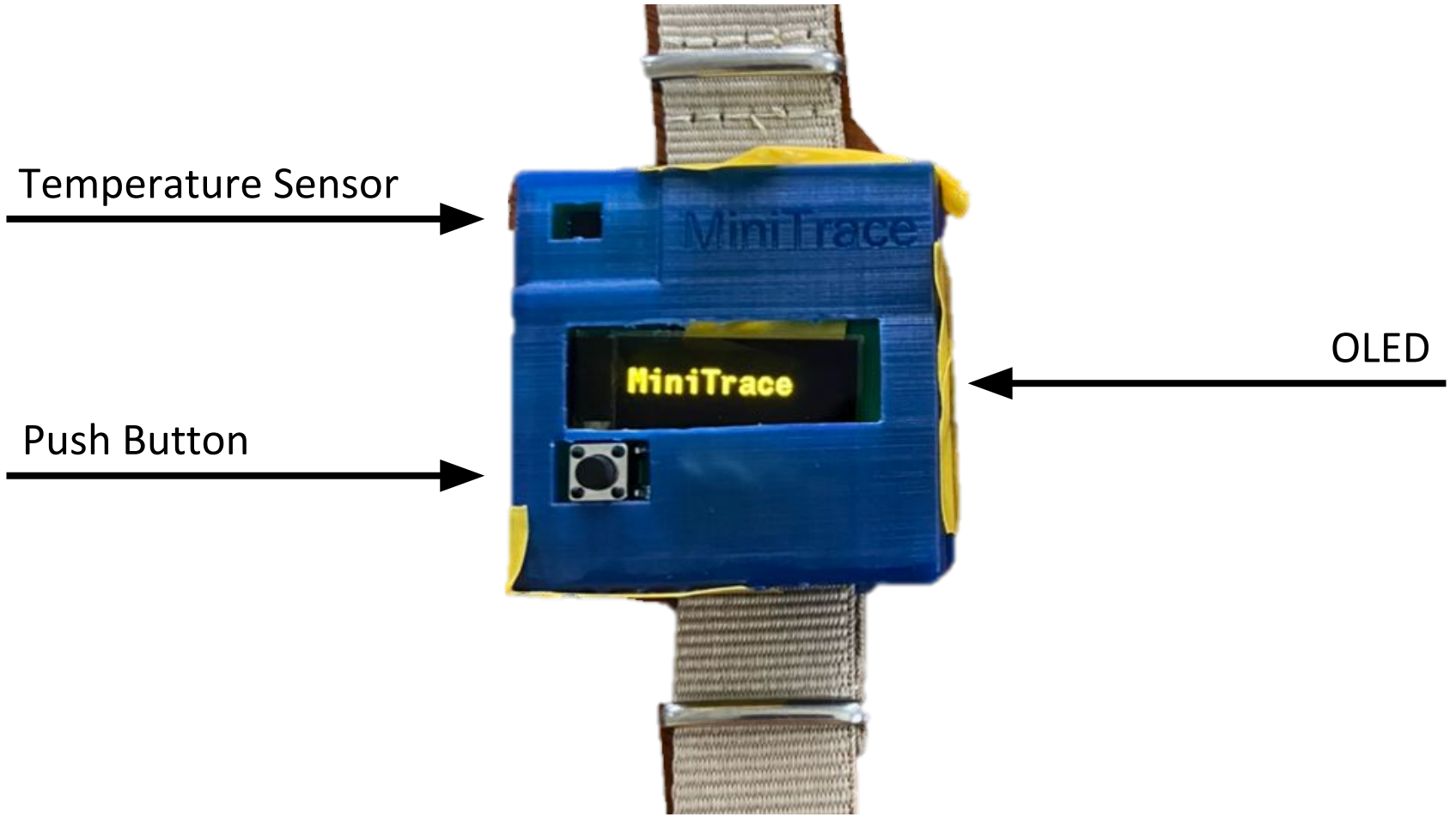
MiniTrace fills gaps in the market caused by other contact tracing applications through enforcing privacy and attainability



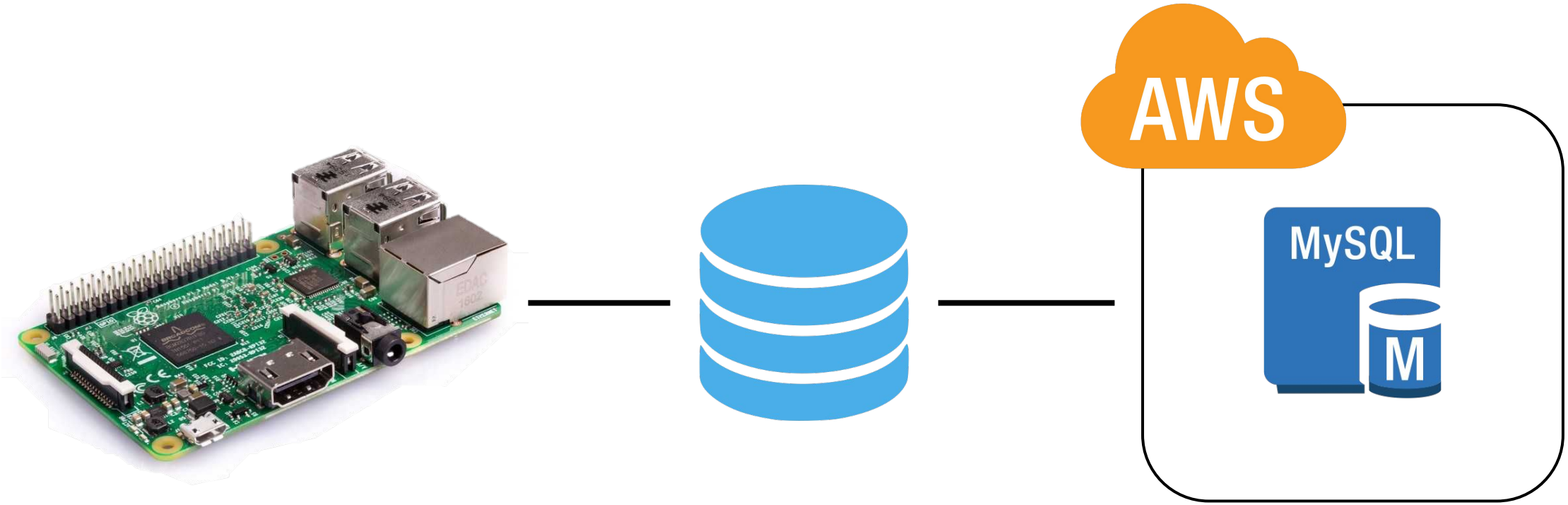
MiniTrace High-Level Overview



Wearable Device



Base Station and Database



Base Station

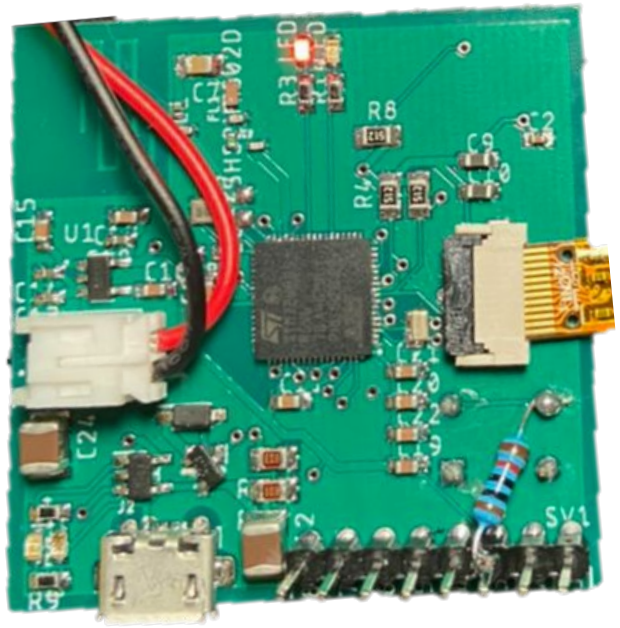
MySQL Database

AWS MySQL
Database Instance

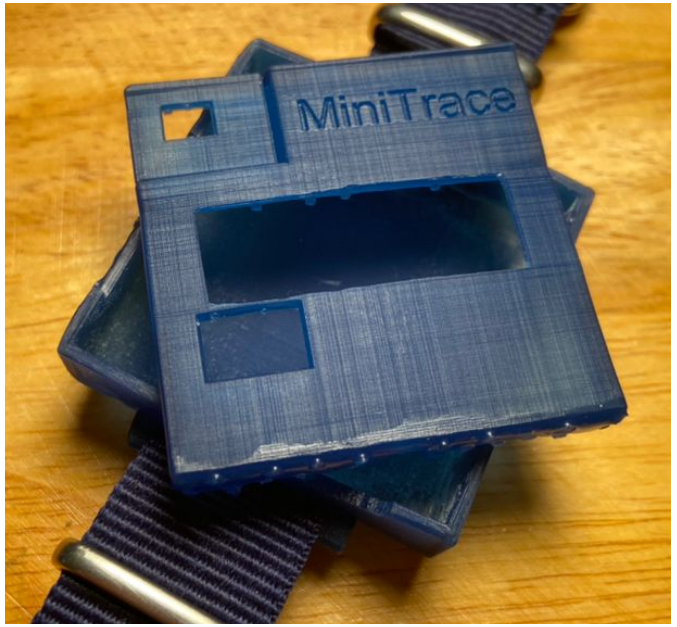
Demo

Demo: Flipping through Screens

Major Hardware Challenges

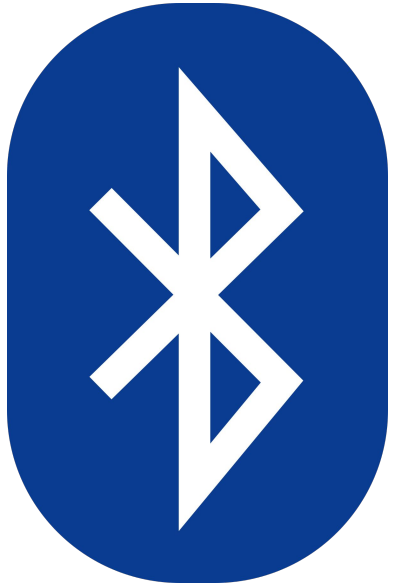


PCB

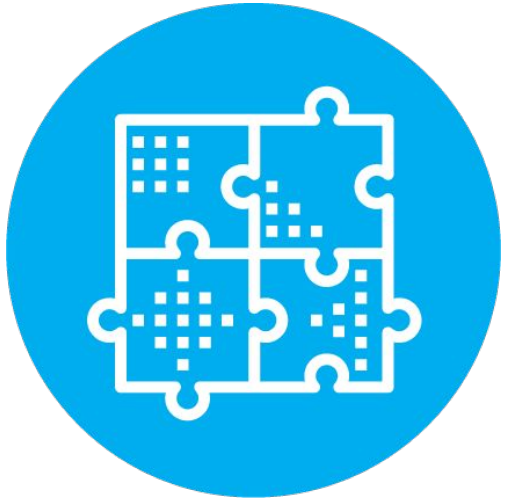


Casing

Major Software Challenges



Bluetooth LE



Integration

To ask our team questions, join us at

https://umich.zoom.us/j/99843931992

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