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Topic: Contact Tracing app

1. **Identify a Problem**

The government of Puerto Rico doesn’t have a robust system of contact tracing for the cases of covid-19. The implementation of software for use by the general populace to help keep track of active coronavirus cases or risk cases. When a positive case is confirmed it is difficult to get the information of all the people who were in contact with that person and they may not be notified by the person who is sick.

1. **Set the Target**

The software must be able to monitor high risk cases of people with a positive diagnostic or with high risk of previous exposure. It should also allow for easy notification of people who were exposed to the patient.

1. **Analyze the causes**

There is not an implemented tracking system for public citizens, other than incoming travelers coming to the country through the airport, which keep tracks of status and self-reported symptoms.

1. **Propose and Implement Countermeasures**

A system that is able to notify the population with the use of technology. This can include login recent locations by means of the users in order to reach those people who may have been exposed. They can be notified by use of mass text messages or in-app notification system. This system keeps track of current cases and prevents further contamination if behavior is changed and precautions are put in place by the general population. The new system should expand on the already established system for incoming travelers.

1. **Check/Evaluate**

This implementation only works if the population behaves responsibly and updates the information accurately.

1. **Act and/or Standardize**

There needs to be an implementation of citizenship accountability in order to assure the cooperation of a large portion of the population.