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A3 Report: COVID TRACKER

1. **Identify a Problem**
   1. Countries are reaching all-time highs on positive cases of COVID 19, and even though each one is taking their respective measurements the cases are still growing exponentially. Also, one of the measurements that countries use is going on lockdown, therefore we still do not know where they get infected or where.
2. **Set a target**
   1. Unfortunately, we cannot where the current patients of the illness got infected. That leaves us to have a scope for those that have not got contact with the virus.
   2. List of people/places to analyze:
      1. Jobs
      2. Supermarkets/Malls
      3. Gym
      4. Schools
      5. Beaches/Rivers
      6. Bars
3. **Analyze the Causes**
   1. COVID 19 can be catch by people with ease. The reason to this is the conduct that individuals take that leads to more infections each day. When countries decide to go on lockdown the number of positive cases were low. Once the government started to open the economy these numbers skyrocketed.
   2. Reasons for positive cases:
      1. No use of protection
      2. No social distancing
      3. Retail businesses opened
      4. More people has been allowed to work
4. **Propose & Implement Countermeasures**
   1. Implement a system that allows users to have a track of places they visited, this data will be compared with other users and if we receive an outbreak of users with COVID 19 the system can determine where the illness was.
   2. Implement a location system that allows users to confirm if they visit the place the system detected. This will cut the process of the user having to sit down and enter the data, by just 2-3 clicks the system will gather the data.
5. **Check/Evaluate**
   1. This propose is not 100% accurate, but this data will be very useful to the government to take the respective measurements instead of choosing randomly.
   2. The reason for the latter is that the system will not track the exact place the person got infected, therefor it will have an approximation due to data comparison.
6. **Act and/or Standardize**
   1. Create and user-friendly app that helps track the people day to day actions (visit places) with just simple clicks. Also, the app can let the users set a schedule, such as if they have a job or go to school.