

## Contact and positive Management case

The system will manage the interactions between citizens, and the update of data to the health company assigned to manage covid cases. Every person who has the app on their phone, will have a dedicated part that will manage contacts between other citizens. This dedicated part will:

- Save in a list all the citizens who the user entered in contact whit within 2 meters and for more than 15 minutes
- Monitors the state of the user, considering if its positive and if its entered in contact with a positive citizens
- Updating daily the contact list of the user to the health company

On the other hand, also the health company has his dedicated part of the applications that:

- Manage global information, with a list with all the users that subscribed to the applications (negative and positive), a list with all positive users, a percentage of positivity on the whole population and a dictionary that manage all user's global contacts
- Will manage new positive users (e.g. discovered through tampons), or new negative users, changing their state and notifying his contact
- Get daily updates from users devices