A close up of a logo

Description automatically generated*cOptimism*A picture containing drawing

Description automatically generated

**Contents**

[**Challenge**: 1](#_Toc38955429)

[**Solution**: 1](#_Toc38955430)

[**Advantage**: 1](#_Toc38955431)

[**Nice to Have**: 1](#_Toc38955432)

[**Flow:** 1](#_Toc38955433)

[Need: 1](#_Toc38955434)

[Help others, help yourself: 1](#_Toc38955435)

[How***:*** 1](#_Toc38955436)

[**Architecture:** 1](#_Toc38955437)

[**Phases:** 1](#_Toc38955438)

# **Challenge**:

This pandemic calls for Social Distancing/Quarantine, whether it is Self-imposed or imposed by the Governing bodies.

In such case, the main concern of common public is how to get essentials, like groceries, medicine, food, etc.

# **Solution**:

Our solution bridges the business, customers, and delivery associates by capturing and sharing the info by different parties.

# **Advantage**:

Different parties provide information, thus forming a Local News Pool.

They provide their travel details (to stores or within and outside City, State, Country) along with other information like date and time, and infection status.

This is stored and cascaded to other users in proximity of the infected and other possible people around them and generates a hot spot warning too.

This can be integrated on Facebook Messenger/Slackbot, can send notifications via Whatsapp, SMS, Email, thus reducing the need for basic users to have an Android/iPhone/other advanced phones.

# **Nice to Have**:

Big Stores have customer database/membership info. Using this notification of vulnerability can be sent.

Big organizations like Banks/Visa/Mastercard/Paytm have date and time of transaction of customer and Store owners. This can be used to notify smaller store customers.

# **Flow:**

|  |  |  |
| --- | --- | --- |
| Need | Help others, help yourself | How |
| Stores need help with business from local people. | Stores share the information about their store  location, open and close time, items available, stock status, freshness status. | Via Chatbot, etc. |
| Customers need help to find which stores are open. | Since not all stores can provide info, Customers can share their experience,  which will help other customers find out about stores | Via Chatbot, etc. |
| Some Customers need help with delivery of the stuff too. | Customers can request Stores/Delivery Associate for door delivery.  Stores/Delivery Associate can coordinate with Customers and deliver the items. | Via Chatbot, etc. |
| Stores/ Customers/ Delivery Associate  want to know if they might be Covid infected. | Stores/ Customers/ Delivery Associate  provide their travel details (to stores or within and outside City, State, Country)  along with other information like date and time,  **and infection status.** | **Via Notification.** |

## Need:

A screenshot of a cell phone

Description automatically generated

## Help others, help yourself:

Customer

Cloudant DB

Information  
Contribute

Information  
Contribute

Information  
Contribute

Covid Vulnerable

Information

Request

Delivery

Associate

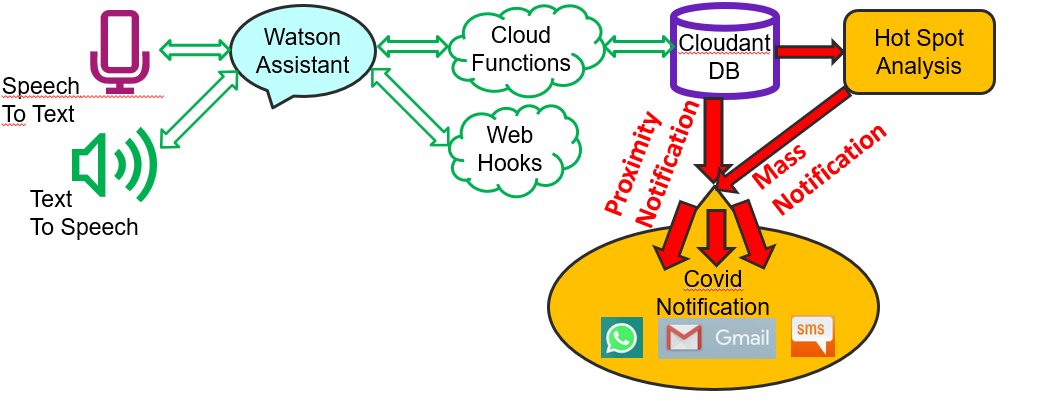
Covid Vulnerable

Business

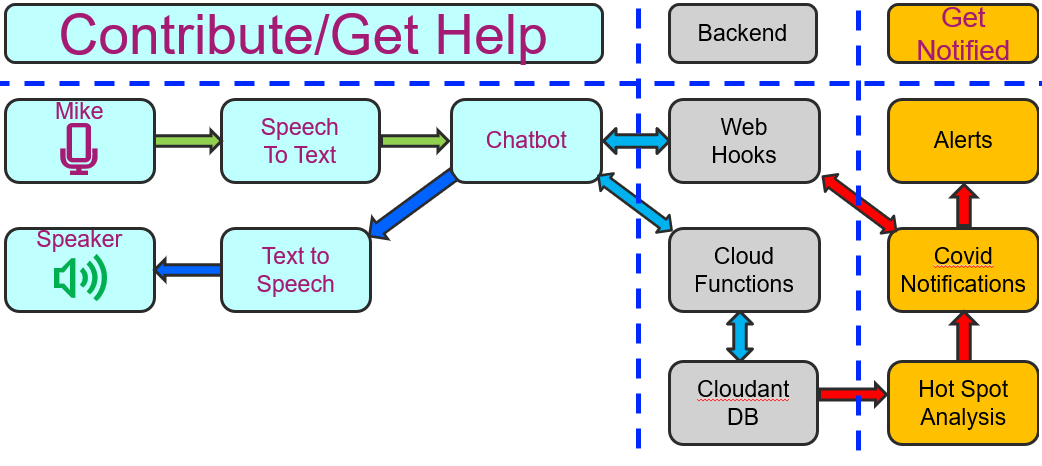
Owner

Covid Vulnerable

## How**:**



# **Architecture:**



# **Phases:**

|  |  |
| --- | --- |
| Current | Future |
| We have used   1. Inputs from store 2. Inputs from/Requests to Customer 3. Inputs from Delivery Associate | We want to   1. Create Proximity and Mass Notifications 2. Provide Map for    1. Direction    2. Hot Spot Representation 3. Use Translator for global usability. 4. Help Stores(/Visa/Mastercard, etc) notify their customers by using their customer database. |
| We have integrated (technically)   1. Chatbot 2. Node Js 3. Cloudant DB 4. Slakbot | We plan to integrate (technically)   1. Speech to text, Text to speech, Translator 2. Maps 3. Facebook Messenger |