

# Medical Fact-checker

by Qin Xingzhen, Wang Fengzhiyu, Onnutcha Naknawaphan, Shiyi Xie

Design for Emergency  
Seed ideas



**Medical Fact-checker that help users distinguish the legitimacy of information they saw on the Internet as well as guiding them to the right information and reliable sources.**

It is a solution against online rumour around the pandemic. The solution contains plug-in and extension. We created a UI icon like a pill that could detect rumour, by determining the legitimacy of it with the support from health database. It can also navigate user to find the authentic sources. The authenticity of certain information is labelled by colour of the pill: red means false info, and green means true. It is able to visualize the degree of fuzziness about a piece of information by showing a transition colour. Moreover, when a user is sending misinformation on social media platform, it can warn him or her that this piece of information is false.

However, this project might take up to 4-6 months in making. This is due to its having to reply on an inclusive health datasource. And even though most of health organizations do

have their data published online, creating a database with all the cobined datasource would take time. Hence, this project is divided into two parts: the second being the extension itself and the first being the creation of the said database.

This database can be done by creating a platform-which in this case; an application that allowed stakeholder in medical field as well as knowledgeable volunteers to send in information related to the Covid-19. The application would allowed users to send in facts and information they know with the link or proof from reliable source, which will be determined by the application. After receiving the information, the application would use the wording comparison program to evaluate the pieces of information that got send in by the users. With this data, people in the medical field who are not able to join the frontliners could also participate in the project.

## WHOM IS IT FOR?

People that need assistance figuring out what is fake news and products along with the potential harm those products and information can cause.

## WHY IS IT RELEVANT?

False information has always been spreading online. But nowadays in the time of the COVID19 pandemic, people tend to believe them more easily due to fear, confusion, and sometime lack of communication from the authorities. When it comes to health and wellbeing of themselves and loved ones, people have the tendency to action as soon as possible. Mistake happens because of this. This explains why an app-based solution against medical rumours is needed.

## WHAT IS NEEDED TO IMPLEMENT THE IDEA?

Web / Mobile Apps  
Plugin / Browser Extension  
Machine learning  
HTML  
CSS  
Javascript  
JQUERY  
JSON  
Health database / datasource

## WHO CAN CONTRIBUTE?

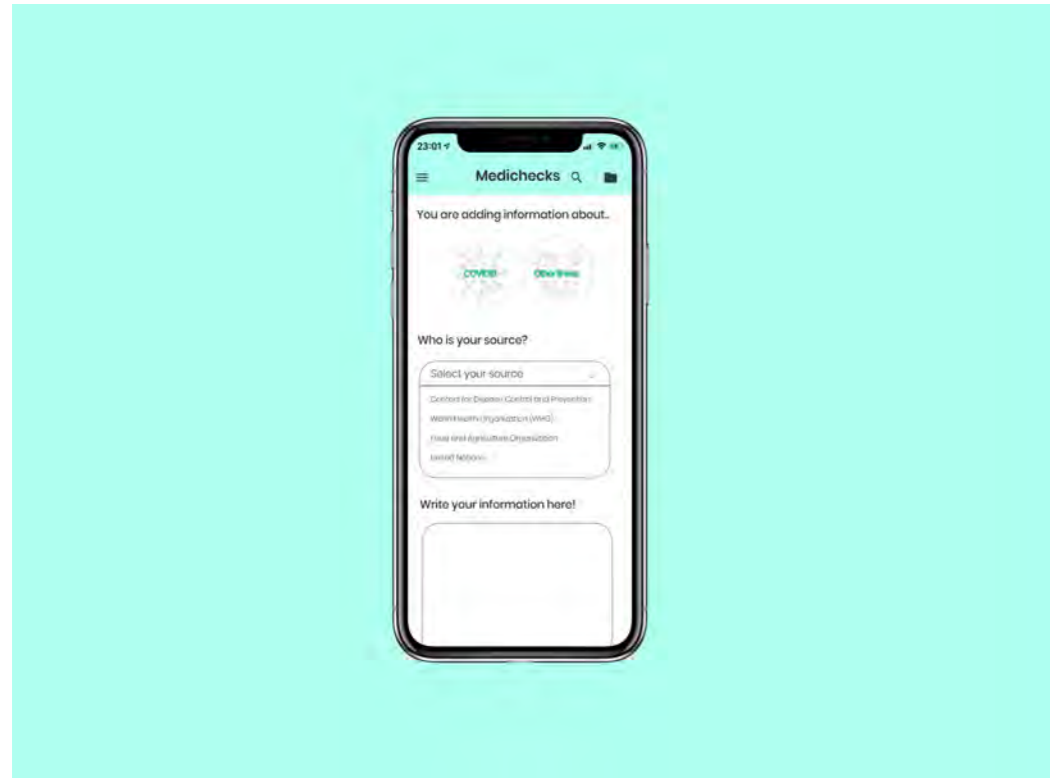
UI/UX designers  
Web/Mobile Apps developers  
Health organizations  
Medical stuffs and experts  
Volunteers



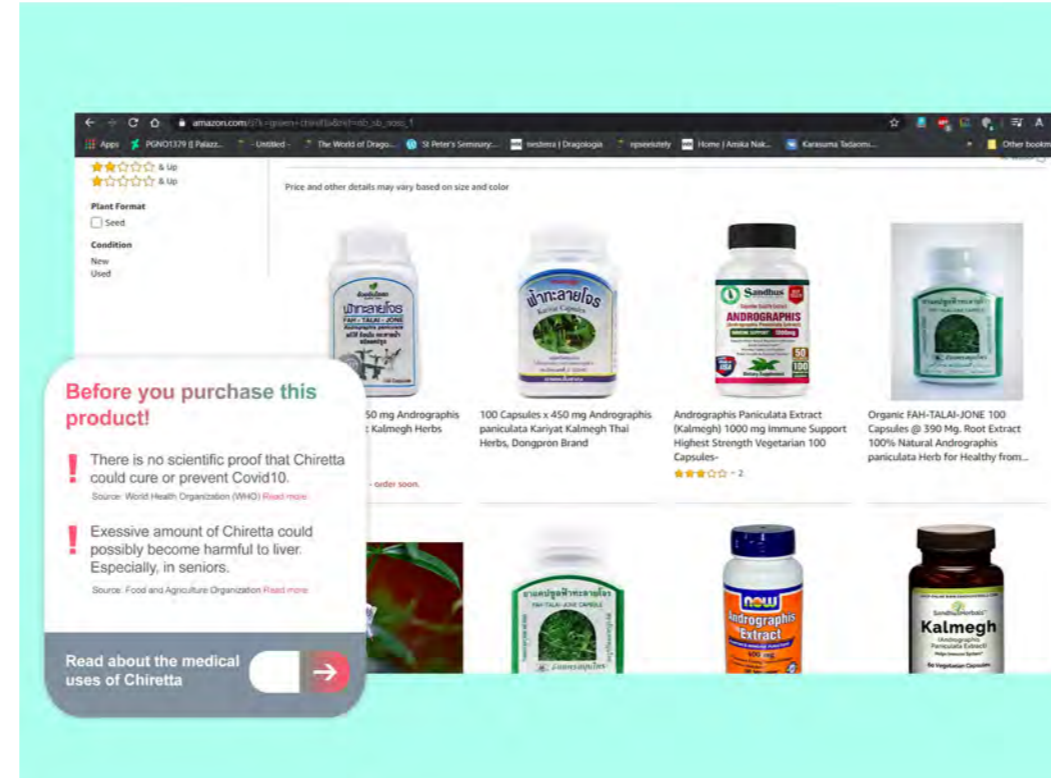
# Medical Fact-checker

by Qin Xingzhen, Wang Fengzhiyu, Onnutcha Naknawaphan, Shiyi Xie

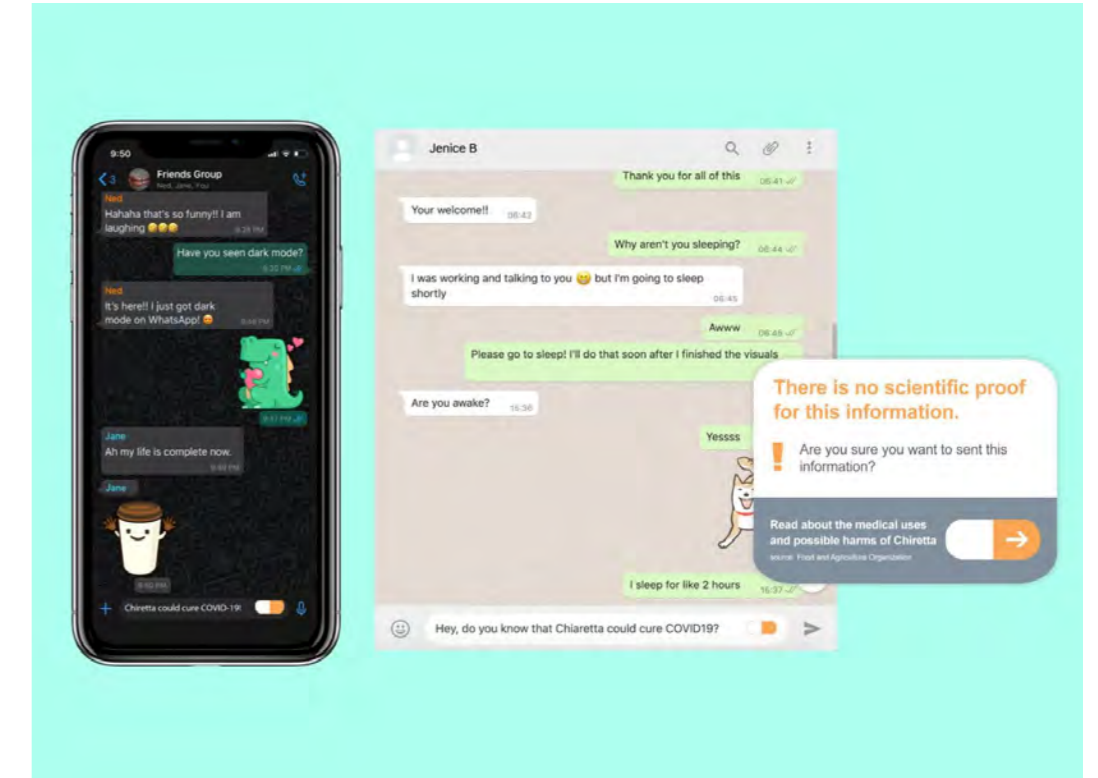
Design for Emergency  
Seed ideas



Application that allowed volunteer to contribute in creating database



Medical fact-checker warns the user for possible harms of a product



Medical fact-checkers question the user before spreading false information

## Video / media:

<https://www.who.int/data/gho>  
<https://www.cdc.gov/DataStatistics/>  
<http://www.fao.org/statistics/en/>

## Contacts:

onnutcha.n@gmail.com



Title by Authors' names is licensed under a Creative Commons Attribution 4.0 International License.  
name.surname@email.com / www.website.com (author's email, or link to a website - optional)