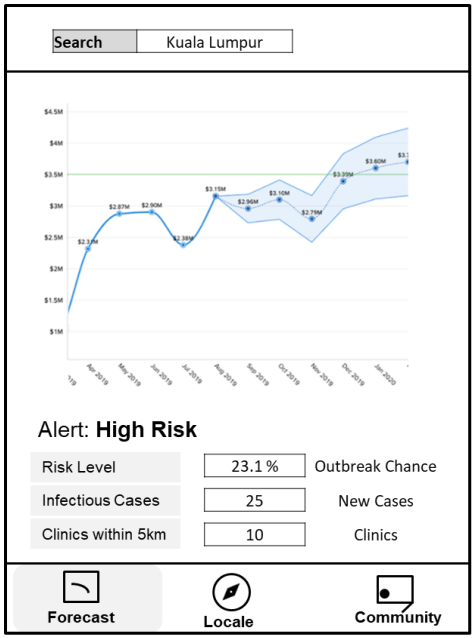
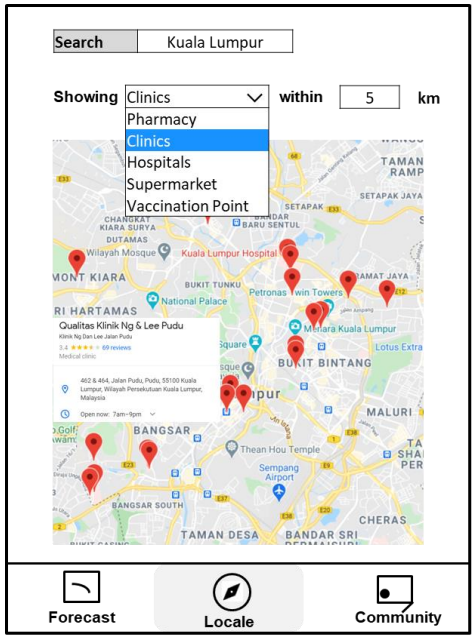
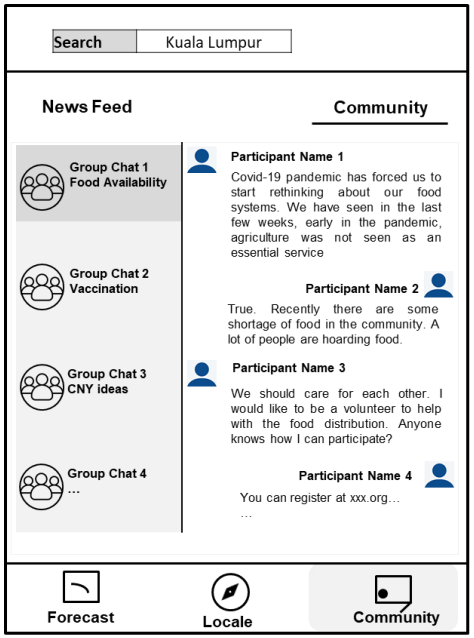
Localized Infectious Disease Alerting System (LIDAS)







Team: SABJ

Challenge: Health Tech

Meet Our Team Member

Stacy

Data scientist

Singapore National Eye Center

Amber

Data scientist

OPRI Singapore

Bowen

Data scientist

LipidALL

Jason

Consultant

Zuellig Pharma

Inspiration

Infectious disease outbreak greatly impacts population health. People need to know where to seek help.

With **Localized Infectious Disease Alerting System (LIDAS),** users will be able to get **customized** clinical and essential need information based on his or her **locale** in **South-East Asia** , get **alerts** on upcoming increases in case of infectious disease and utilize the app to **prepare** themselves.

LIDAS

Raise Awareness

- *LIDAS predicts the likelihood of outbreak, and users get alerts on disease outbreak risk based on his/her location.*
- *LIDAS helps to raise awareness of current disease condition.*

01

Customize Service

- *LIDAS can provide users with personalized healthcare advice,*
- *LIDAS acts as a platform to consolidate localized information, from nearby vaccination clinic, pharmacy stores, medical centers to daily essentials like super-markets and food-courts.*

02

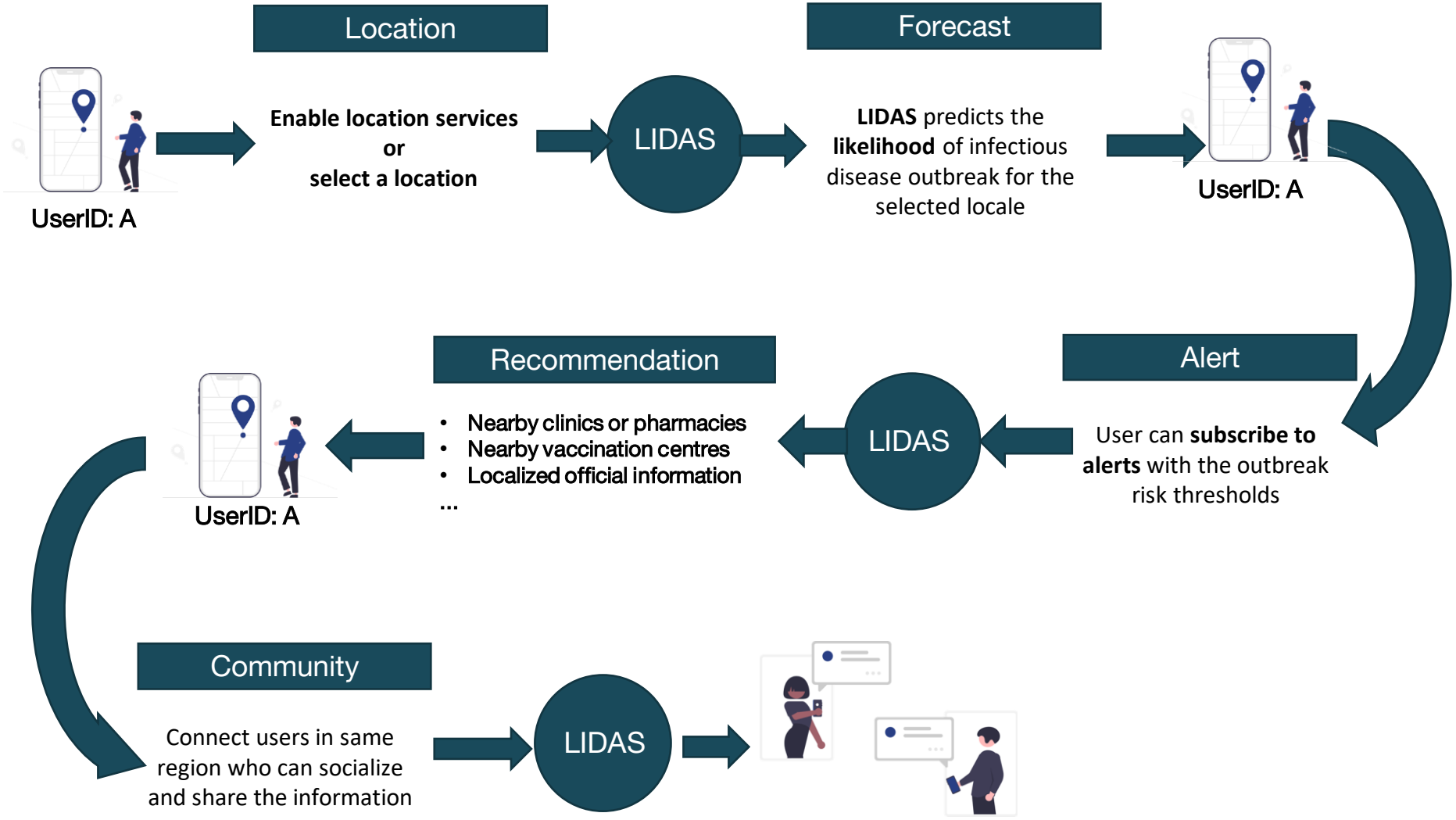
Build Connection

- *LIDAS helps to build social connection among community.*
- *LIDAS links users with registered professionals 24/7.*

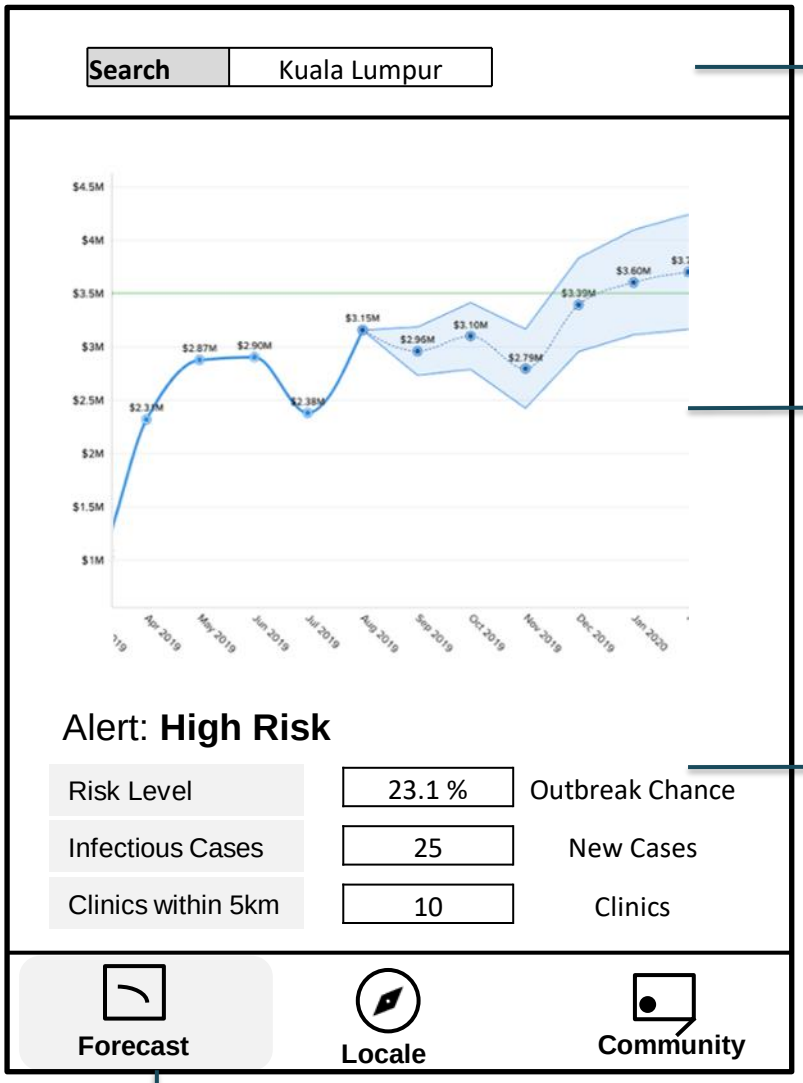
03

LIDAS Features

Forecasting + Geographic info service + Social Connection



LIDAS – Forecast



User select a location they are interested.

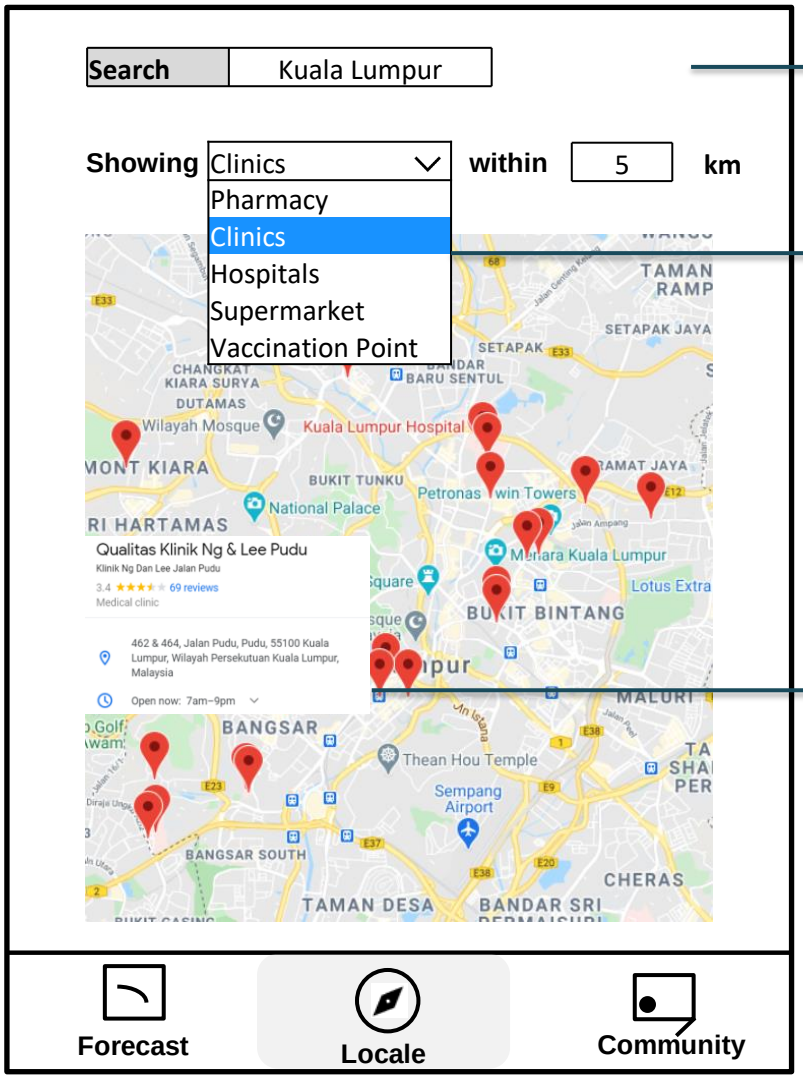
LIDAS predicts the likelihood of infectious disease outbreak for the selected locale.

Based on the prediction, LIDAS provides a level of risk alert.

LIDAS also provides a few key metrics related to the infectious disease. It can track the current progress.

LIDAS has three main features: forecast , customer service based on geo location, and community.

LIDAS – Geolocation Service



Users select a location they are interested.

Users can search local information defined by the radius, such as nearby clinics or pharmacies, nearby vaccination centers etc.

Users can click and get the information of the selected clinics or pharmacies.

LIDAS – Social Connection

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Search | Kuala Lumpur

News Feed | **Community**

MoH: Over 600,000 have registered for Covid vaccination via Mysejahtera.

Moderna is developing booster shot for new coronavirus variants

How KL shopkeepers see the tiny uptick in MCO 2.0

IATA plans digital travel pass to steer airlines towards recovery

Forecast | Locale | Community

Users can receive the local news related to the infectious disease.

Search | Kuala Lumpur

News Feed | **Community**

Group Chat 1
Food Availability

Group Chat 2
Vaccination

Group Chat 3
CNY ideas

Group Chat 4
…

Participant Name 1

Covid-19 pandemic has forced us to start rethinking about our food systems. We have seen in the last few weeks, early in the pandemic, agriculture was not seen as an essential service

Participant Name 2

True. Recently there are some shortage of food in the community. A lot of people are hoarding food.

Participant Name 3

We should care for each other. I would like to be a volunteer to help with the food distribution. Anyone knows how I can participate?

Participant Name 4

You can register at xxx.org…
…

Forecast | Locale | Community

Users can participate in community discussion. They can allocate resources, share information, and discuss policies etc.

Build & Deploy App with Azure

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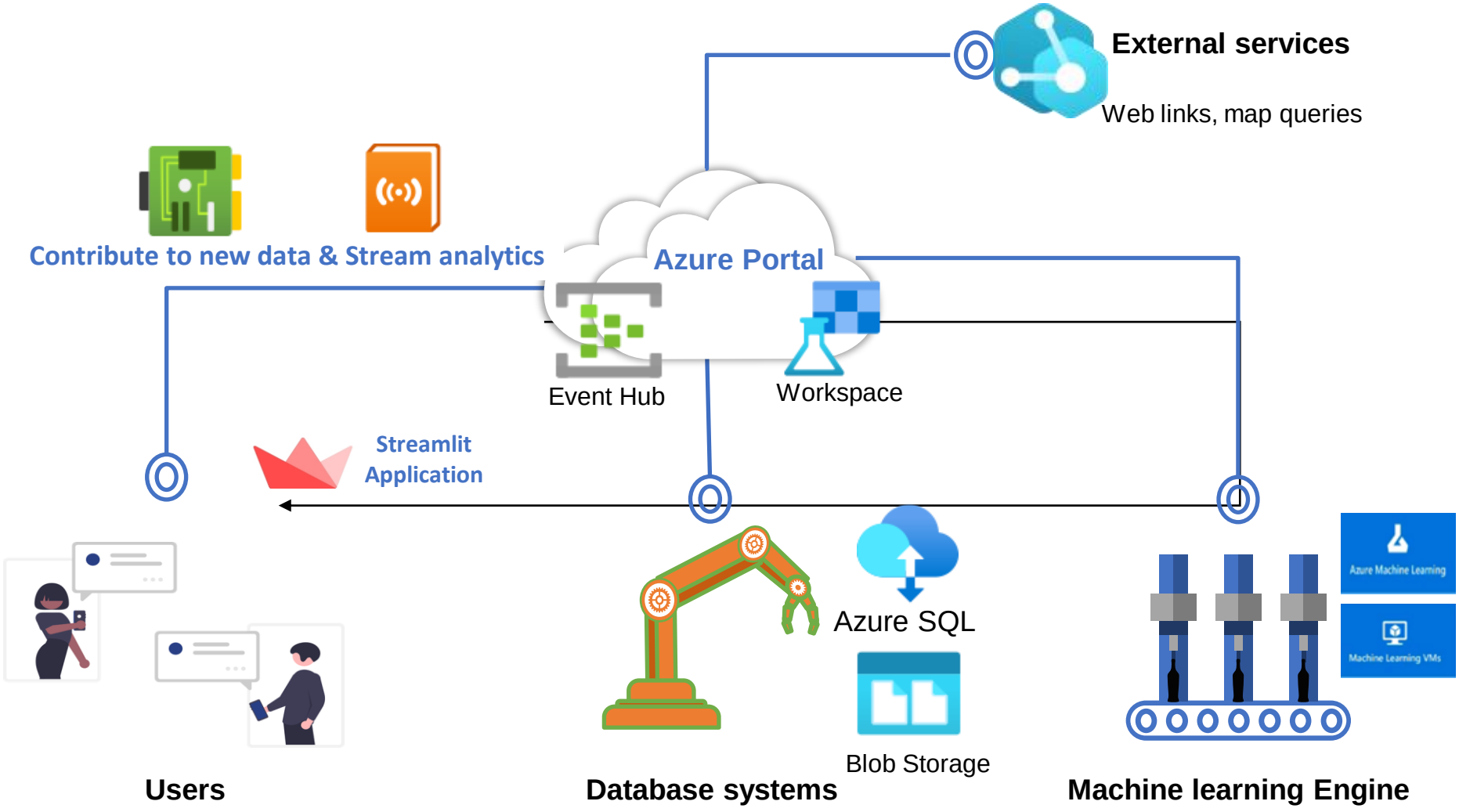
Utilize 4 Azure APIs: Auto ML, Azure Maps, Bing News Search and Discourse, to build LIDAS apps

Solution Architecture with Azure

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