

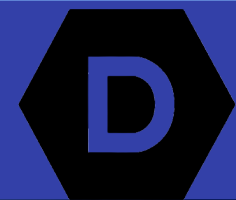
Microsoft US Azure AI: Hack for Humanitarian Action

WOMEN AND CHILDREN SAFETY PROTECTION APP

POWERED BY



MICROSOFT



DEVPOST



WOMEN IN ARM

KAVYA MANDLEM

<https://kavyamandlem.github.io/>

Major Problems

01 Being stalked on roads and empty places

02 Unsafe Environment

03 Domestic Violence

04 Health care problem

05 Women Trafficking



Solution Outcome

Twilight Women Safety App

keeps your loved ones safe by triggering an alarm to the relevant government women safety team with geo location. Women safety team able to track the geo location using azure maps and quick response has been taken.

Use Cases

- ➡ The woman's safety device with GPS tracker can be used while walking through the dark street at night.
- ➡ This project is also useful in case of an accident.
- ➡ Can be used to get rid of robbers.

Twilight Health Care Bot

Chatbot can interact with the users, giving them a realistic experience of chatting with a Medical Professional, can detect human message patterns using AIML . It retrieves keywords from the initial messages to know the possible medical problems that the user has, based on their input.

Use Cases

- ➡ Provide medical information
- ➡ Collect patient data
- ➡ Mental health assistance

Why Azure?

Azure is a Internet-based computing means storing,accessing data,application accessed over the internet anywhere at anytime with high accuracy, cost saving, highly secured, ease scalable, built in AI/ML features.

➤ Cost Savings	➤ Easy Connectivity	➤ Accessibility anywhere
➤ Highly Secured	➤ Low Data Risk	➤ Easy Deployment
➤ Compliance Standards	➤ Less Maintenance	➤ Increased Collaboration

Service Details

Twilight women safety application built using Microsoft Azure modern LC/NC technology

Twilight Women Safety App

LINK → <https://apps.powerapps.com/>



→ Azure Map (Twilight Maps)



→ SQL Server(twilight)



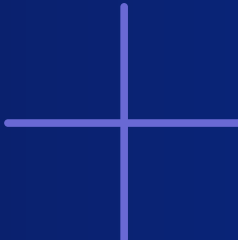
→ SQL Database(twilight)



→ PowerApps (GEO AUTO LOCATION)



→ PowerApps (GEO AUTO LOCATION)



→ Azure Health Bot (twilighthealthbot)



→ App Service (twilighthealthcare)

LOGIN USING

USER NAME → odl_user_539179@cloudevents.ai

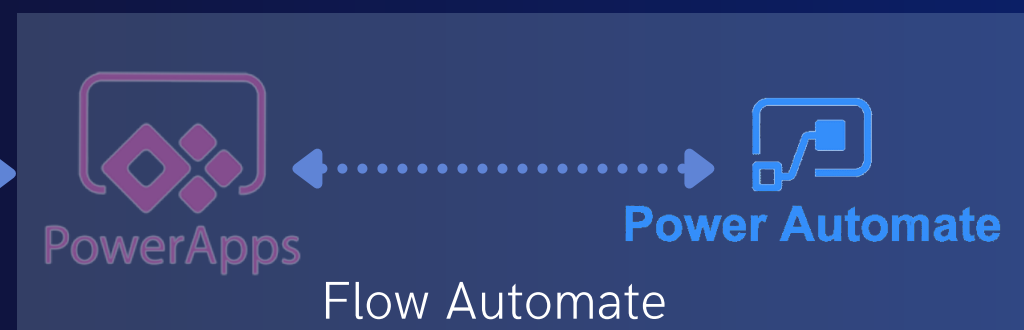
PASSWORD →

PUBLIC ACCESS

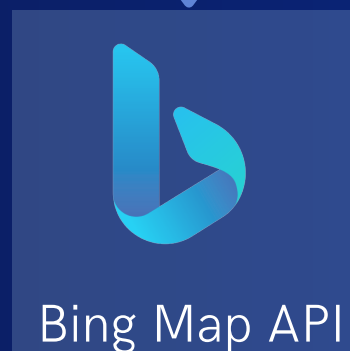
Architecture

Twilight Women Safety App

Data collection



<https://apps.powerapps.com/>



GPS



Storage



Governemnt sector

Azure Maps API
GPS



Web Apps



LINK

Twilight Health Care Bot



<https://twilight.azurewebsites.net/>

Web Apps



Azure Health Bot



Service features

Twilight Women Safety App



Power Apps is a suite of apps, services, and connectors, as well as a data platform, that provides a rapid development environment to build custom apps for your business needs.



Flow
Automate

Power Automate Flow creation of automated workflows between apps and services to synchronize files, get notifications, and collect data.



Storage

Industry-leading SQL Server engine with limitless scalability and intelligent performance and security

Azure SQL Database is an intelligent, scalable, relational database service built for the cloud



Map automatically discovers application components on Windows and Linux systems and maps communication between services



GPS

Immersive map-based apps is easy with an extensive support system for developers with premium features



Site

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Ruby, Node.js, PHP, or Python

How it Works

Twilight Women Safety App

<https://apps.powerapps.com/>

LC/NC Power APP which Fetches location of people automatically by allowing to detect in setting.
Based on location and latitude people address /postal code has been fetched.
Location is shared by pressing the submit button.

Bing Api enables to find location details
location gets stored in sql database table
End result output responded to powerapps in Address and postal tab.

Shared location data gets stored in Sql data bse and using flow.
when new item created in table flow runs to share the latitude/longitude to relevant government team via mail

Based on mail details location tracked and immediate action has been taken using azure maps hosted on web apps site

latitude

10.7836427

longitude

78.6909152

Address

post code

Submit

PowerApps

Get location by point (Preview)

Point Latitude

Getlocationbyp... x

Point Longitude

Getlocationbyp... x

Include Entity Types

The entity types that you want to return in the response.

Include Neighborhood

Yes

Include Country Code

No

Insert row (V2)

Server name

Use connection settings (twilight.database.windows.net)

Database name

Use connection settings (twilight)

Table name

Location

lat

Getlocationbyp... x

lon

Getlocationbyp... x

address

Address Forma... x

postalcode

Address Postal ... x

Respond to a PowerApp or flow

LocationAddress

Address Forma... x

LocationPostCode

Address Postal ... x

Add an output

When an item is created (V2)

Server name

Use connection settings (twilight.database.windows.net)

Database name

Use connection settings (twilight)

Table name

Location

Show advanced options

Compose

Inputs

lat x lon x address x postalcode x

Send an email (V2)

To

twilightcloudcoderz@gmail.com x

Subject

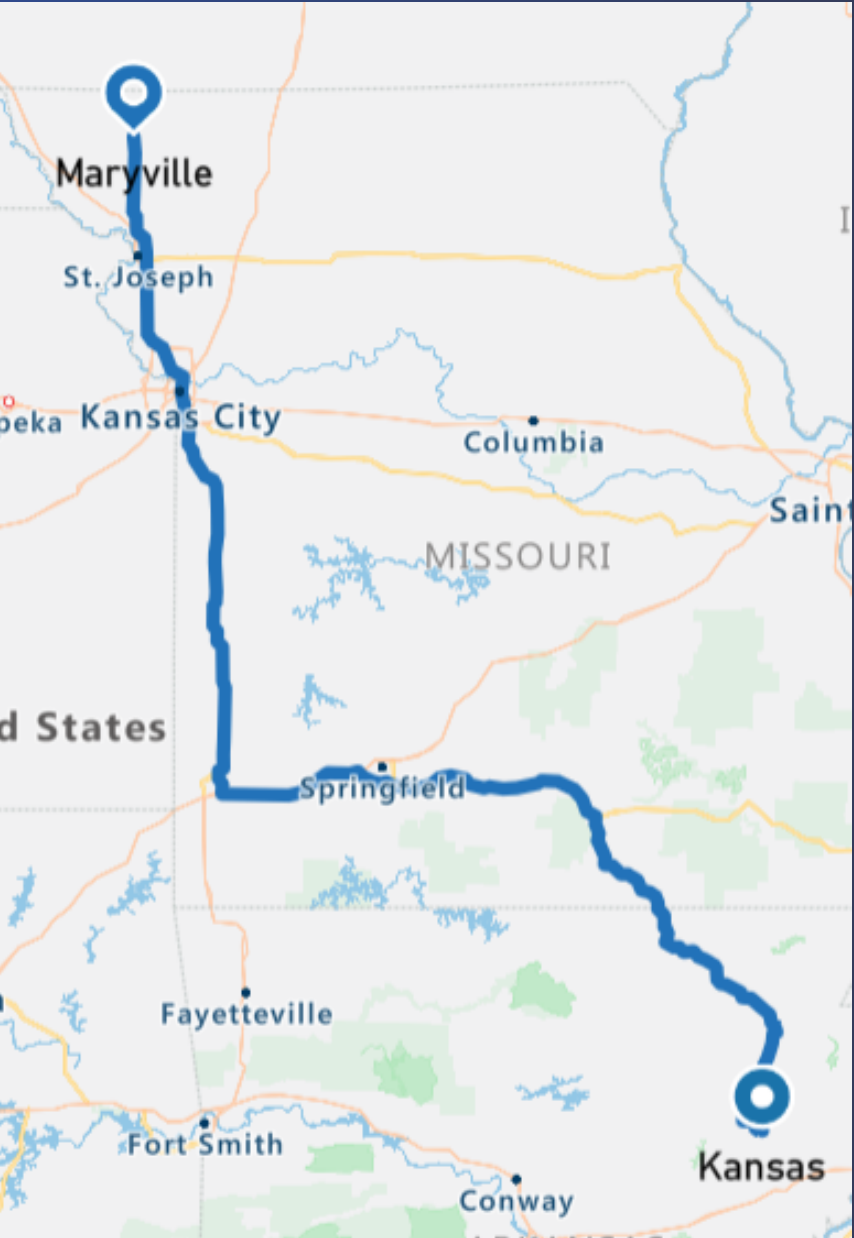
location

Body

Font 12 B I U

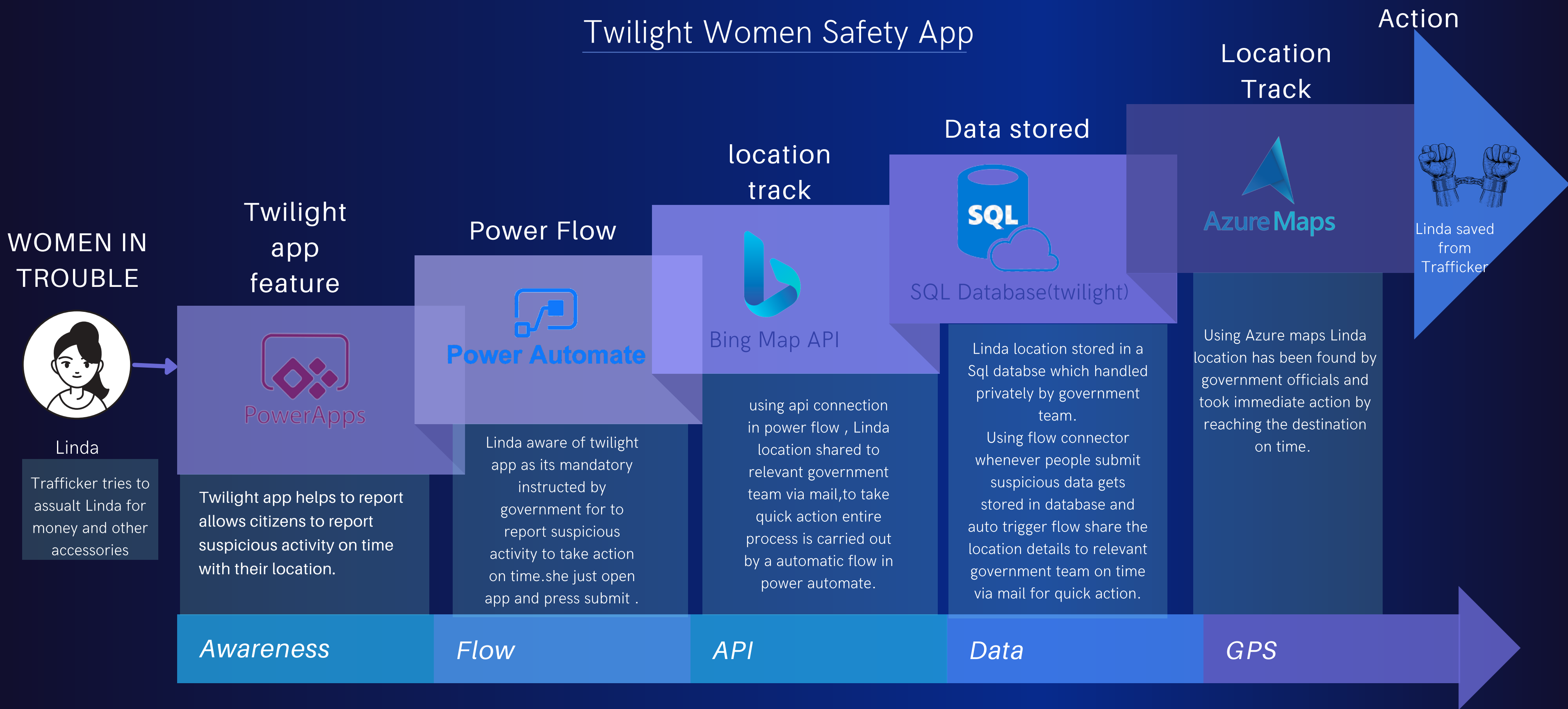
Outputs x

Show advanced options



Linda Story

Twilight Women Safety App

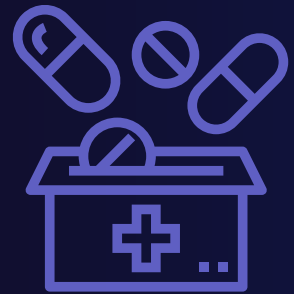


Features- Azure Health Bot

Twilight Health Care Bot

<https://twilight.azurewebsites.net/>

Azure Health bot service is a AI-powered cloud platform technology that empowers developers in all healthcare organizations to build and deploy in a ease way to help patients and cutomer in timely manner



Health care Intelligence



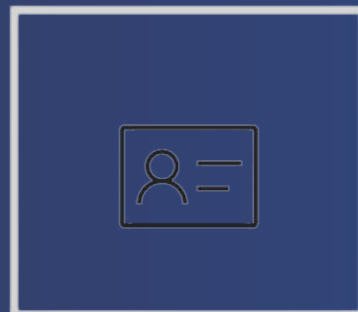
customizable and
Extensible



Secured,
Privacy, Compliance

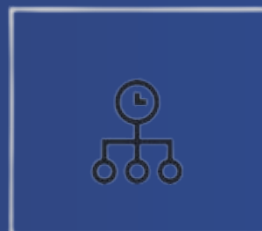
Conversational Elements

Interacting with user input by sending prompt messages display statement and takes answer from user what its want to actually do, yes/no for confirmation from users to act and proceed further on issue, statement to display content.



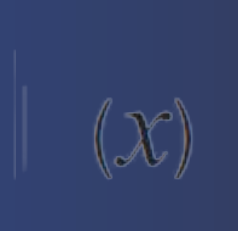
flow control

Branch used for split decision, switch user to multiple cases, begin helps to run another scenario, replace with another scenario, end to stop scenario.



Advanced Functionality

Data connection helps to connect other external APIs, Global variable set and get variable to use and maintain context, action to take control and modify bot, language understanding to translate the language via interaction with LUIS.

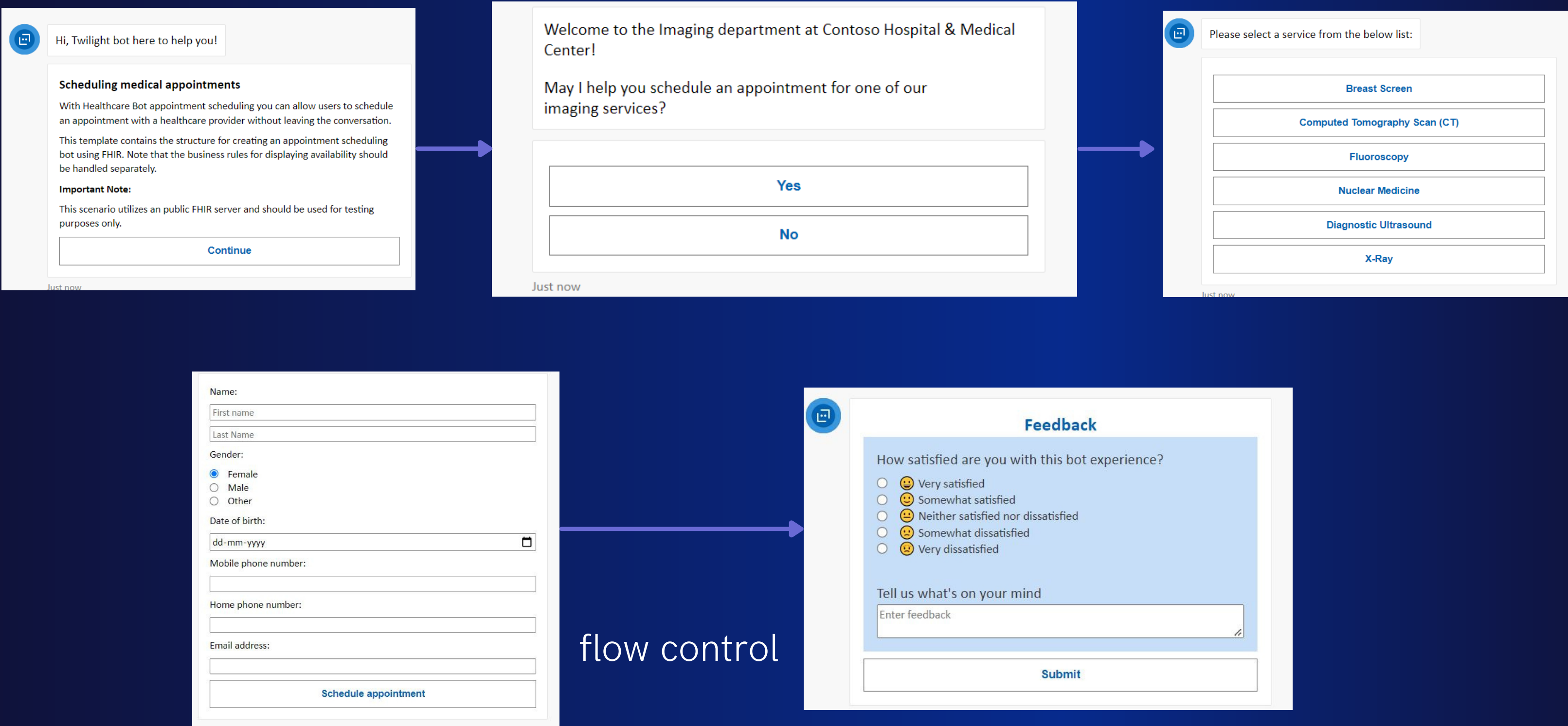


How It Works

Twilight Health Care Bot

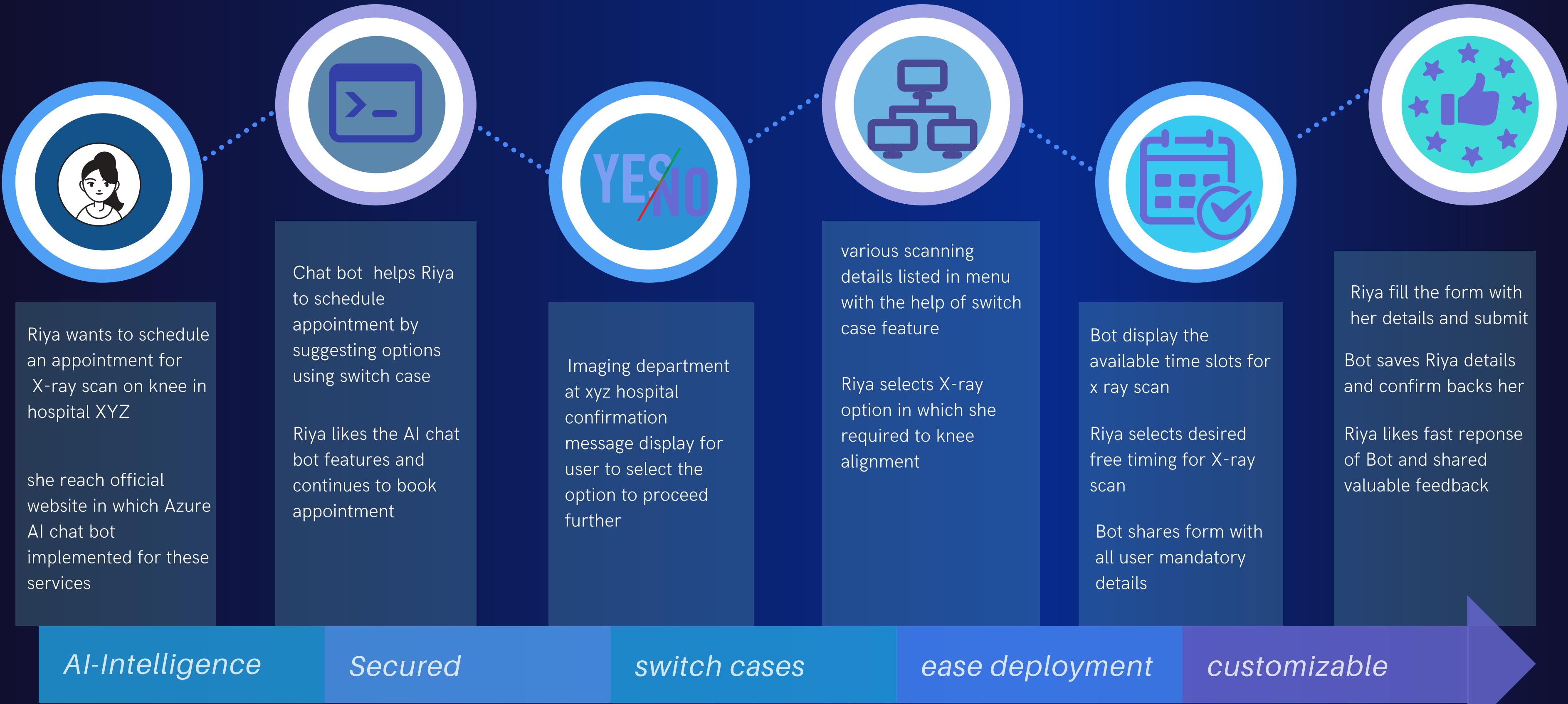
Conversational Elements

flow control



Riya Story

Twilight Health Care Bot



Demonstration

Git hub link

Video Link

Future RoadMap



Safety Drones

Aerial photography to visualize the area and location tracking

Market analysis and forecast weather conditions

Thermal sensor drones for search and rescue operations



Video Analyser

Customise video workflows to your specific needs via a pipeline description language that works from the edge to the cloud and for live and batch scenarios

Workplace safety-Business assets analyse workplace video to detect safety violations

Thanks for the opportunity to learn and explore new technology

Team - Twilight

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