

Providing legal assistance for public



Background

When you encounter some problem where you need legal assistance, what would you do?



Normally what we do

- Ask from someone who has legal expertise.
- Search web.
- Book a lawyer.

Drawbacks of above ways

- Can get misleading, wrong information.
- Waste of time, effort, money.



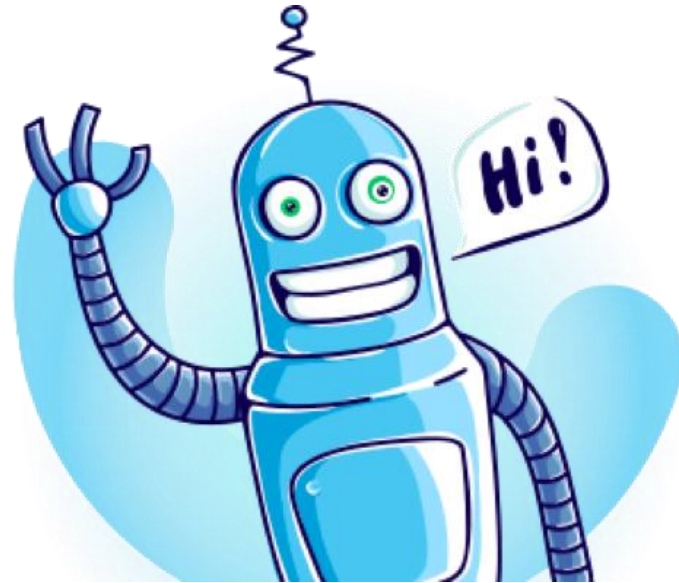
Our solution

- It is an Interactive application.
- It contains,
 - Lawbot - chatbot
 - Social platform to communicate ideas among users



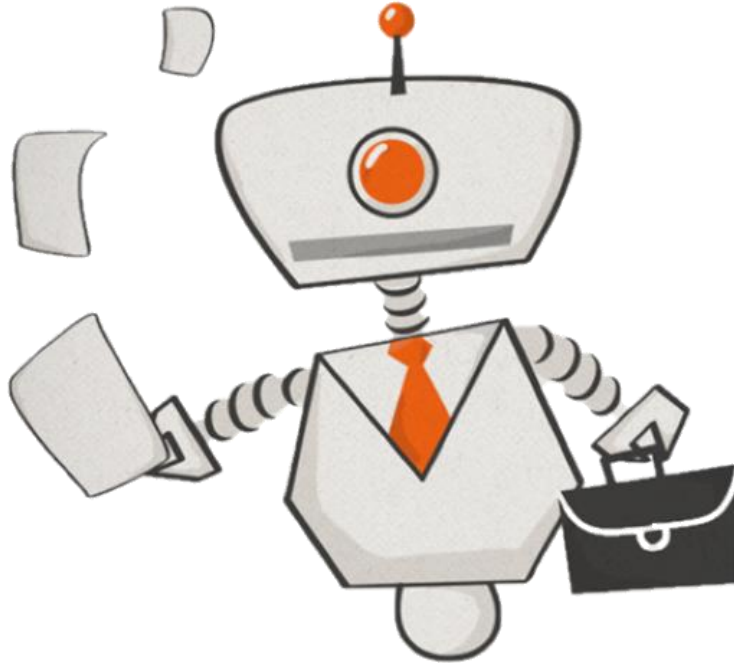
What is a Chatbot

A virtual user that simulate a conversation with another human



Instead of customers emailing your business a question,

So why chatbot cannot be a legal assistant?



Why Chatbot?

- It's super easy and efficient.
- Can read and write messages just like human would
- Bots can both initiate action as well as respond to requests from users
- They can automate conversations, transactions or workflows



Lawbot - our chatbot

What it does?

- It will take the user's question as text/voice.
- It checks if he can answer the question using his predefined data.
- It will ask questions from the user in return to clarify the issue.
- Provide the user with the most appropriate answer.
- If user requests, he will provide with the documents and places related to the issue.

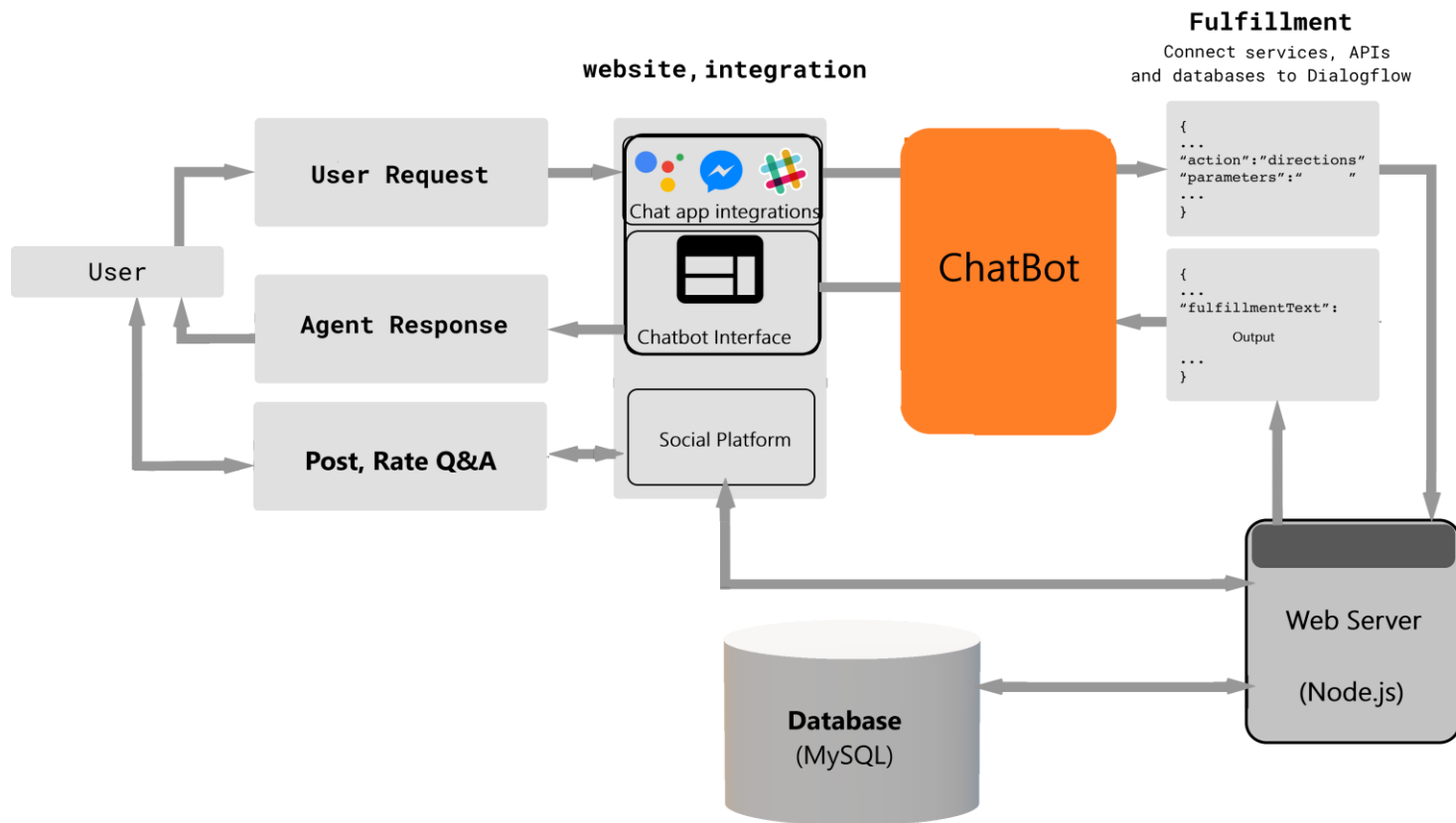
Social Platform

Where people can

- post legal issues.
- answer to those questions.
- rate the questions, answers and users.



High level architecture



Tools and Technologies

- **Tools**

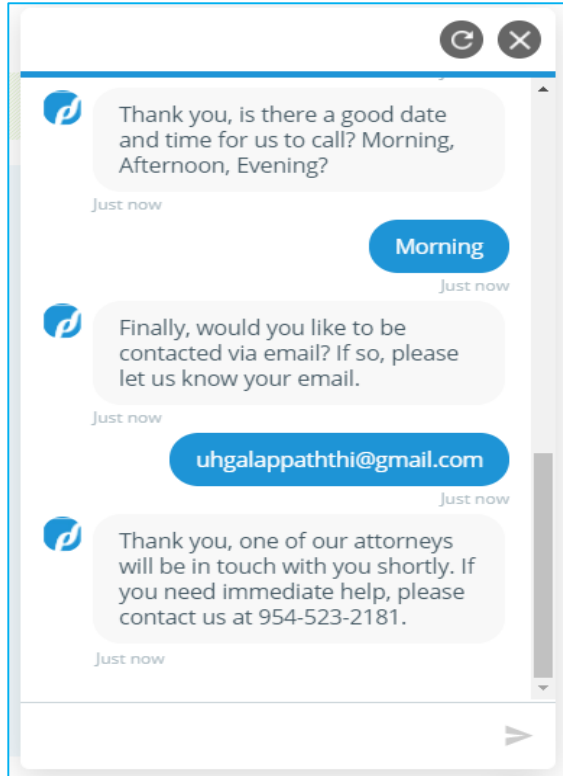
- Dialogflow
- MySQL Workbench
- Visual Studio Code

- **Technologies**









- Node.js
- Angular
- SQL

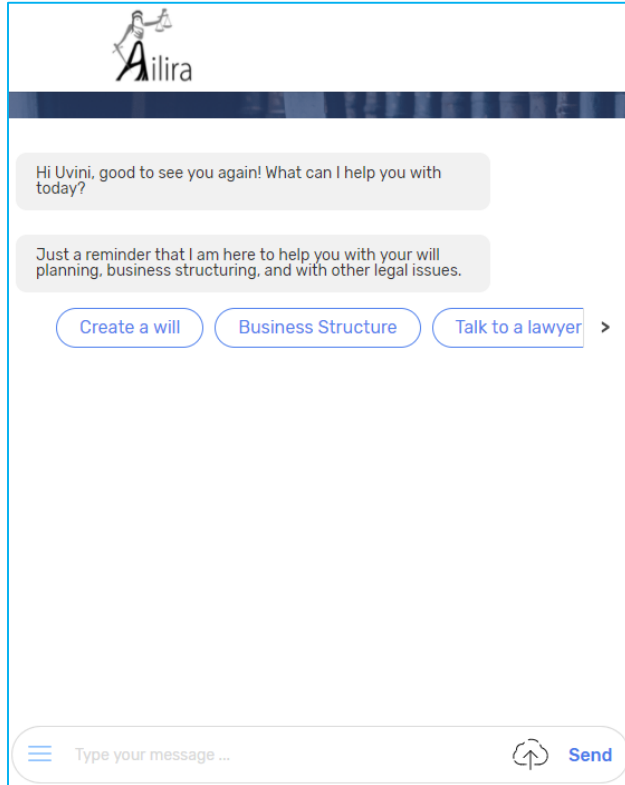
Related work

Comparison with existing systems



- PaperStreet company develops solutions like these for law firms.
- It will only contact you a lawyer.
- So it's similar to booking a lawyer.

	PaperStreet	Our solution
1) Conversation Based	 - Structure Based	 - like talk to another human
2) Answers user's questions	 - Need to go through a lawyer.	
3) Social platform for user interaction		
4) Voice support		



- It's one of the most popular and best legal assistants available.
- But it's just like a navigator.
- You can't ask questions of your own.
- To use Ailira, you need to log in through facebook.

	Ailira	Our Solution
1) Conversation Based	✗ - Structure Based	✓ - like talk to another human
2) Social platform for user interaction	✗	✓
3) Voice support	✗	✓

Commercial Value

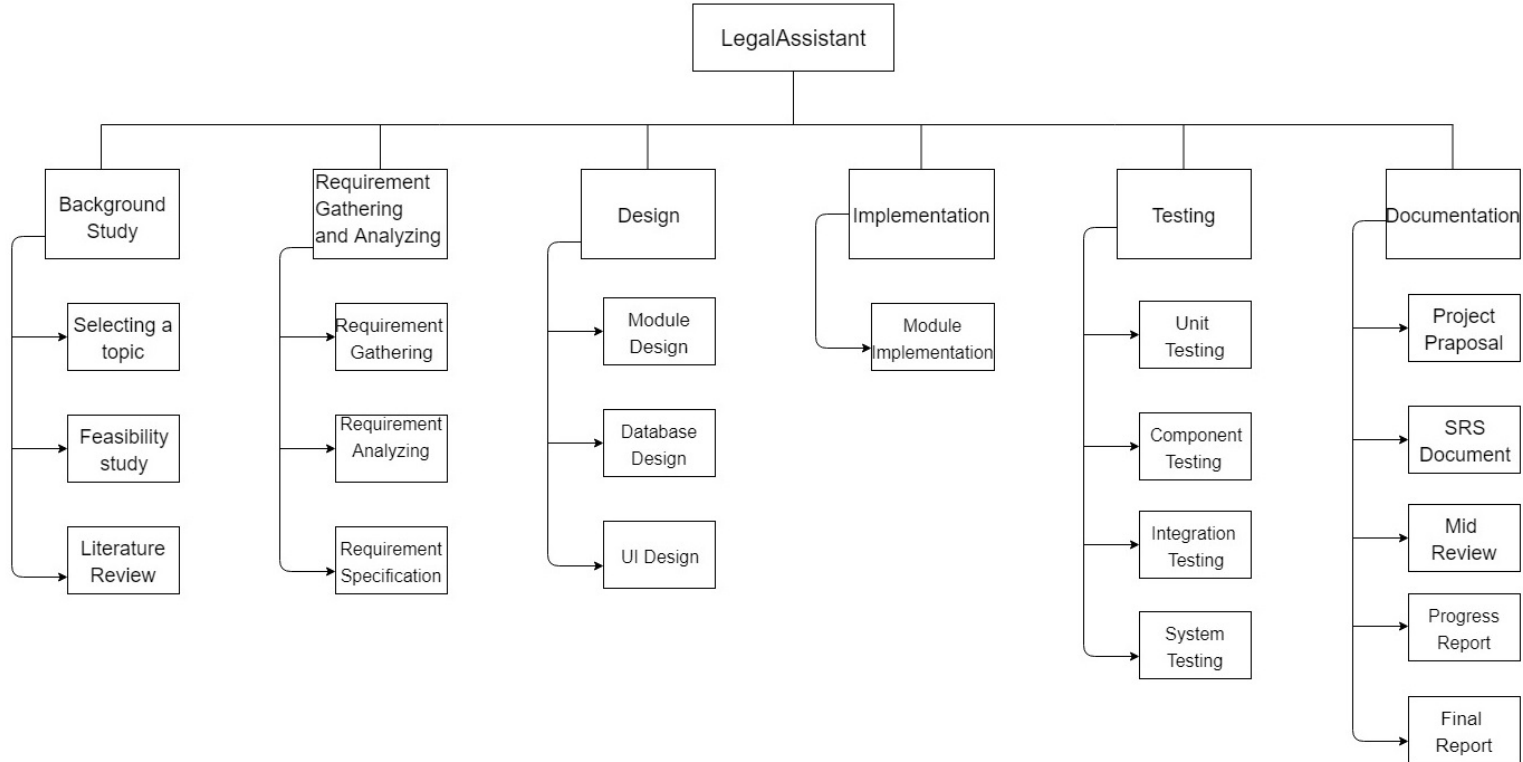
Targeted users

- All Sri Lankan citizens
- Law firms, lawyers – display advertisements
- Tourists – to get idea about Sri Lankan laws

Individual Workload

Member 1 B. Hingalagoda (IT15013224)	Member 2 G.U.H. Galappaththi (IT15000422)	Member 3 N.T.Nishshanka (IT15001894)
Developing the chatbot model.	Developing a training dataset to be used by the chatbot.	Design and implementation of the social platform - an efficient way for users to interact with each other and share their ideas
Use NLP to develop the chatbot.	Database design and implementation. Integrate external APIs to the chatbot.	Adding commercial value to the social platform by displaying advertisements of lawyers and law firms.
	Finding the legal issues and solutions to them.	Design the front end of the chatbot.

Work Breakdown Structure



Thank you

