YelperAssistant

Project Overview

Introduction: Yelp is a search service using crowd-sourced reviews about local businesses and facilitates searching for events, lists and communication between Yelp users
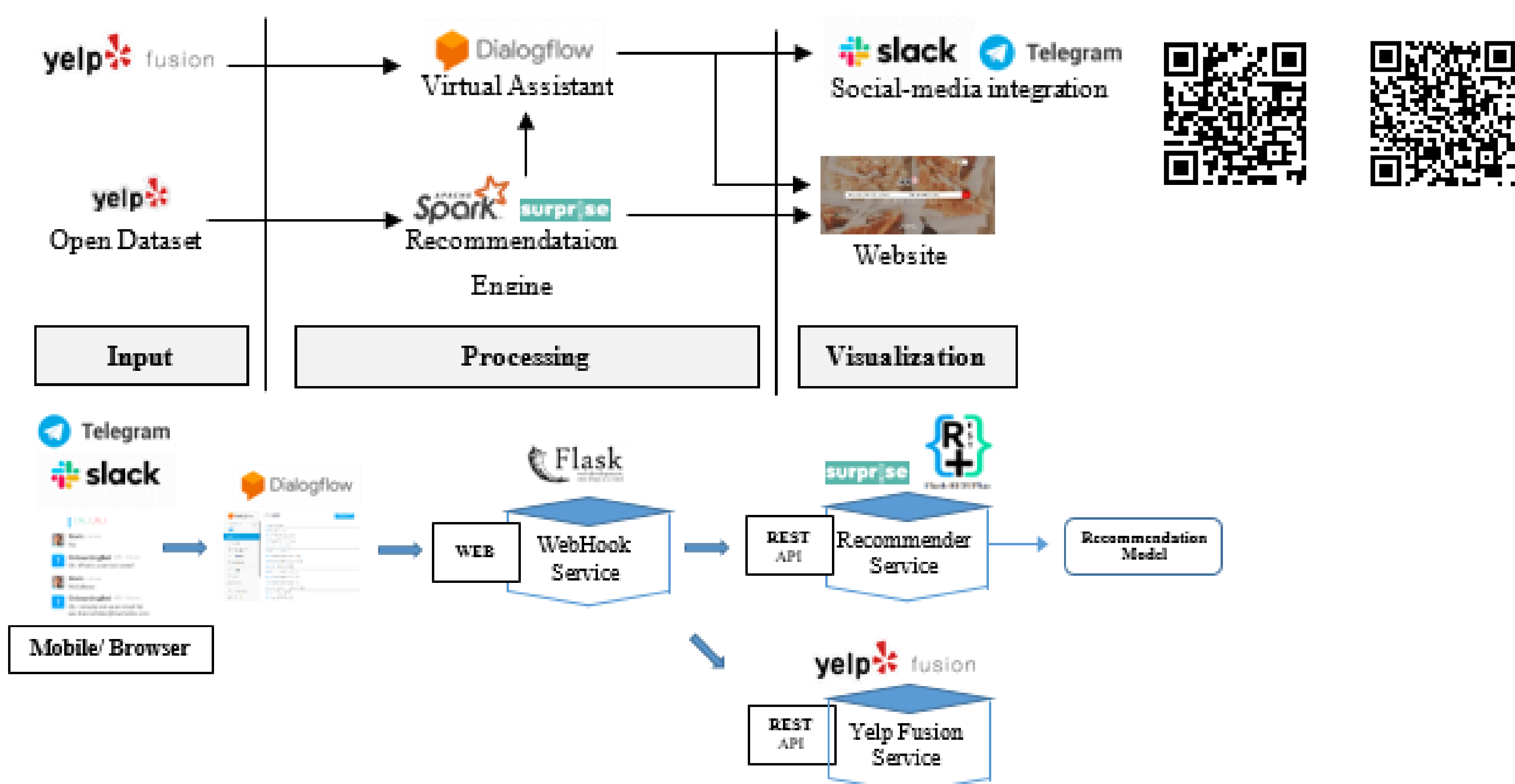
Problem: Non user-friendly search interface coupled with generic information not personalized to user's interest resulting in onerous search experience
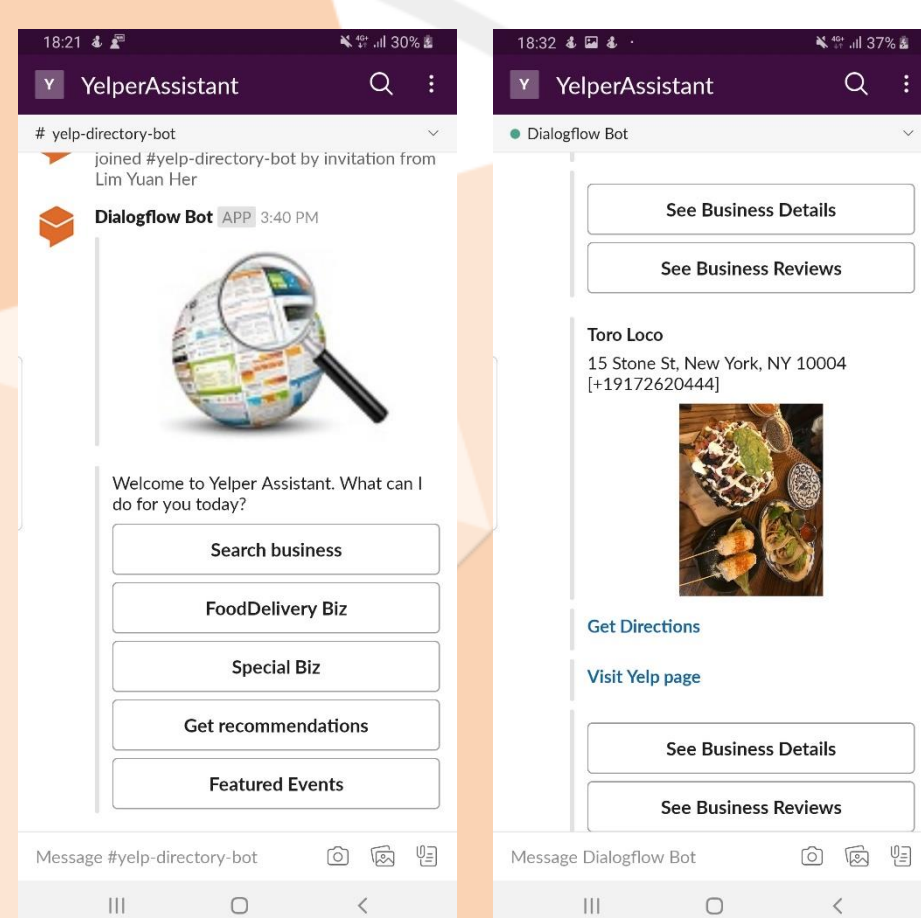
Requirements:
- To develop a personalized recommender based on reviews data
- To provide a virtual assistant interface to allow users to query for personalized recommendations and to facilitate Yelp information search
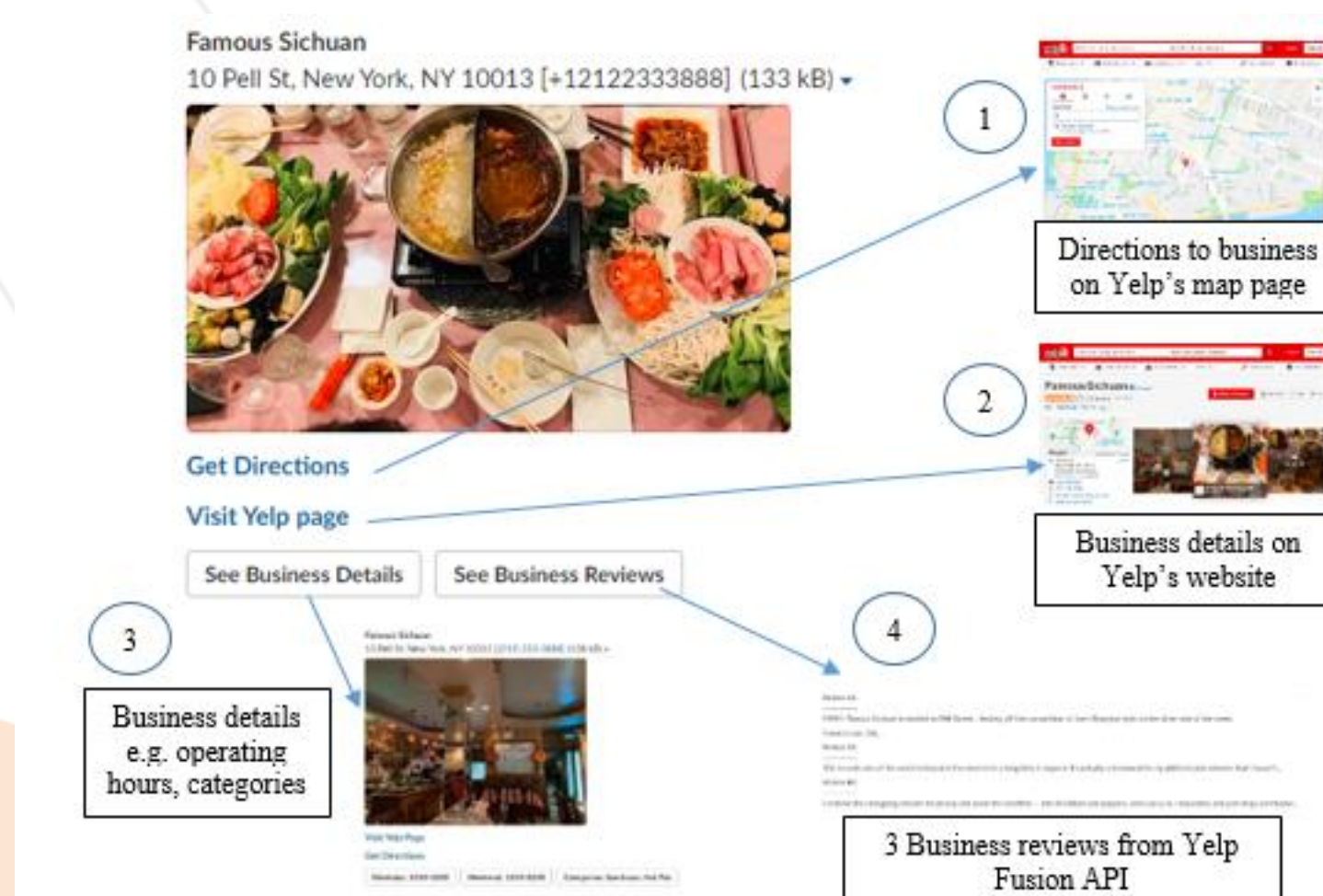
Solution:
Slack/Telegram chatbot powered by Google DialogFlow with fulfilment by Yelp Fusion API (for Yelp information) and recommendation engine powered by Scikit-Surprise.

Technologies: Google DialogFlow, Scikit-Surprise, Yelp Fusion API, Flask, REST API, micro-services

Chatbot Screenshots

Search Result

Name_of_Student
Lim Yuan Her (17060167)

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