IT490 Project Documentation (Team 7)
NJIT Spring 2018
Professor G. Kotzas

Group Members:
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WeatherToEat

A smarter foodie app that thinks ahead

AN OVERVIEW

WeatherToEat works to make life easier when eating out or planning a night out. Whether it's a corporate lunch, a casual dinner, or a wild night out, WeatherToEat works to narrow your choices down to provide the most ideal experiences. We understand that planning properly isn't everyone's strong point, not to mention the time it requires for busier people on-the-go. Factors like the weather, time of day, traffic, and availability are important but more often than not, they are neglected. Our team is ready to offer a new experience to foodies and regulars alike, allowing for less worry and more control to give a maximum satisfaction rate on any occasion.

OUR GOALS

- We aim to provide a more extensive means of planning a night out or choosing the right place to eat out, or take-out for that matter.
- By offering a unique way to consider more factors all at once, planning things can be made simpler and will save time and effort for our users.
- Our team cares about the small things in the hopes that it increases efficiency when it comes to finding the right place to eat. Increased efficiency should lead to improved productivity and ideally a better attitude and environment.

PROJECT MANAGEMENT

This project is part of the IT490 course and requires the use of RabbitMQ. Guided by Professor Kotzas, our team made use of RabbitMQ to handle the communications between each of our local machines and servers in order to properly handle a users requests. The front-end works to give a user a smooth experience, communicating with the user and accepting their requests through RabbitMQ and into the backend where API calls are made and the proper data is returned to the user, again through RabbitMQ.

PROJECT MANAGEMENT

Users can register to create personalized accounts. By logging in, users can access saved information from previous visits. Login information and saved data are stored in the database. The external data sources are used for pulling map data as well as weather data according to the specifics provided by a user. A user is given results based on the location and time. Time can be specified to account for changes in weather throughout the day. The results are filtered optionally when using weather as a factor and displayed back to the user. Distance and traffic data is also shown in the results.

API's used:

- WEATHER: https://openweathermap.org/api
- YELP: https://www.yelp.com/developers/documentation/v3/business_search -
- Google Places: https://developers.google.com/places/

Our team consists of 5 people. Our responsibilities were divided as follows (subject to change):

GROUP MEMBER	RESPONSIBILITIES
Abdel Moustafa	RabbitMQ Server, Back End
Dina Odum	Front End
Joseph Tobon	Back End
Andrew Kim	Assist in Front end, Security, Documentation
Adnane Errachide	Assist in Front end, Security

FLOWCHART