CS411 Projct Final Documentation

Section 1:

Project Overview:

1. APIs: Weather, Twitter, Yelp
2. Language:

    Front end: Javascript, Angular.js, html, css

    Back end: Javascript
3. Database: MongoDB

    MongoDB schema: ()

```
var Schema = mongoose.Schema;
var tweetSchema = new Schema ({
 Hashtage: String,
 Location: String,
 Keyword: String
});
var tweetsNearU = mongoose.model('TweetsNearBy',
tweetSchema);
```

Section 2:

1. Form Field Validation

Page Name	Form.ID	Expected Value	Test ID	Test Value	Pass/Fail
Twitter search	Textinput, Name	string	tweet.1	Trump	Pass
Twitter search	Textinput, Place	string	tweet.2	Boston	Pass
Twitter search	Two Textinputs	string	tweet.3	hashtag: #boston Search: Dining	Pass
Twitter search	Three Textinputs	string	tweet.4	Hashtag: #boston Search: Dining Location: 824	Pass

				Beacon st	
Twitter search	Multiple Textinput, combination of the above cases	string	tweet.5	Nice restaurants near Boston University	Pass

2. Data validation

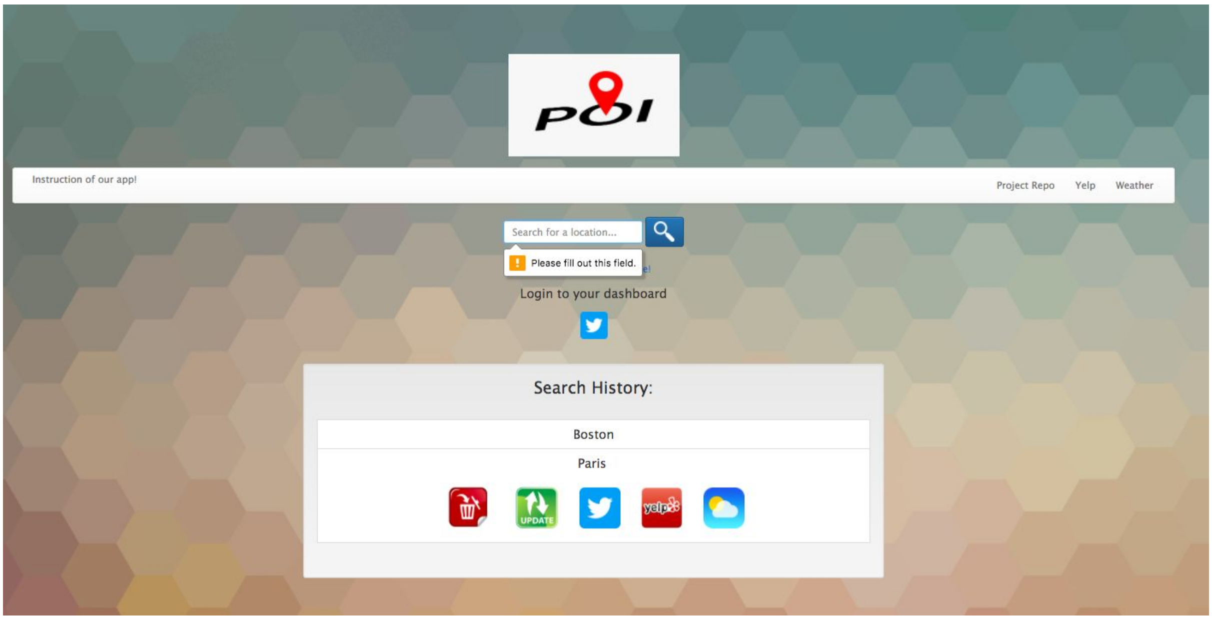
Table	Field	Type	Read/Write	Data Source	Constrains	TestID	Pass/Fail
Tweets NearBy	HashTag	String	r	form input	String < 100	data.1	Pass
Tweets NearBy	Location	String	r	form input	String < 100	data.2	Pass
Tweets NearBy	Keyword	String	r	form input	String < 100	data.3	Pass
Tweets NearBy	Keyword	String	r	from input	String < 100	data.4	Pass
Tweets Nearby	Keyword	String	r	form input	String < 100	data.5	Pass

3. UI Validation

Page Name	UI Element	Expected Function	Test ID	Pass/ Fail
Main	Search_Button	Search of Searchable_API	1	Pass
Main	Content Display	Display media	2	Pass
Main	Login/ Log off	Authentication	3	Pass

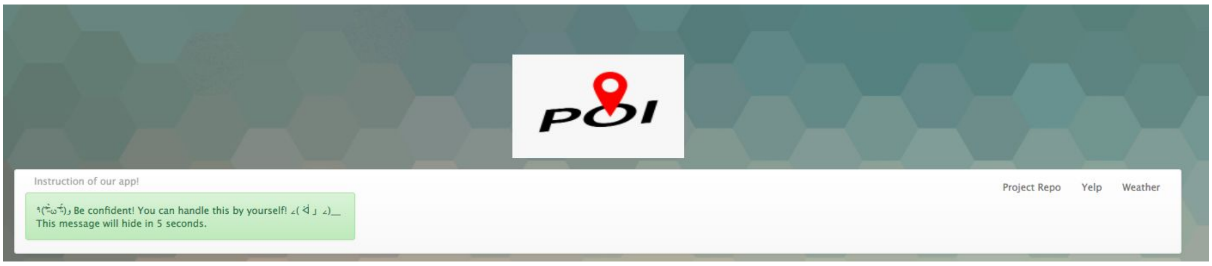
Readme:

This is our webapp, POI, or Points of Interest. It allows users to input a location and get relevant data in the form of weather, tweets, and attractions. The location is loaded into the database along with the relevant information and previous search terms. The buttons allow toggling of the tweets, attractions, and weather data, as well as deletion of locations, and editing them.



Boston

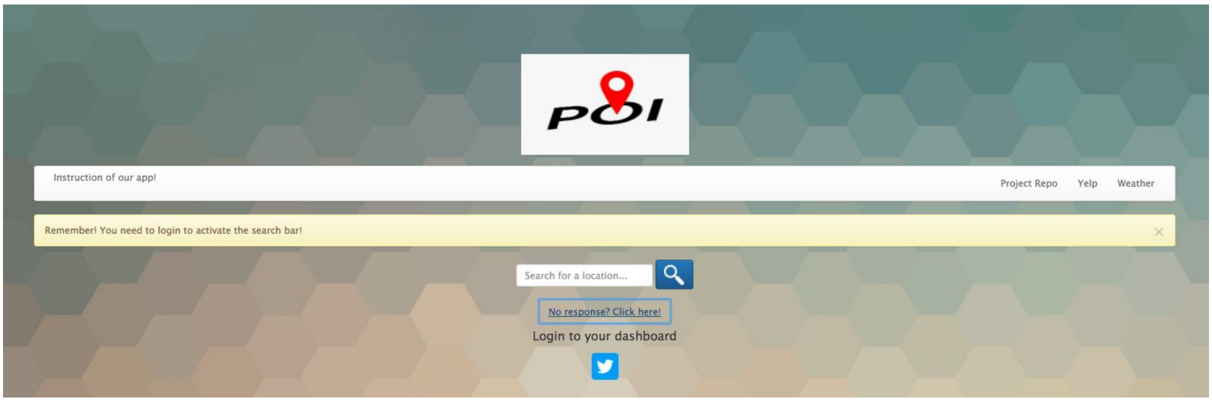
Paris



ᕦ(ò_óˇ)ᕤ Be confident! You can handle this by yourself! ⊿(˙ᗜ ˙ ⊿)__
This message will hide in 5 seconds.

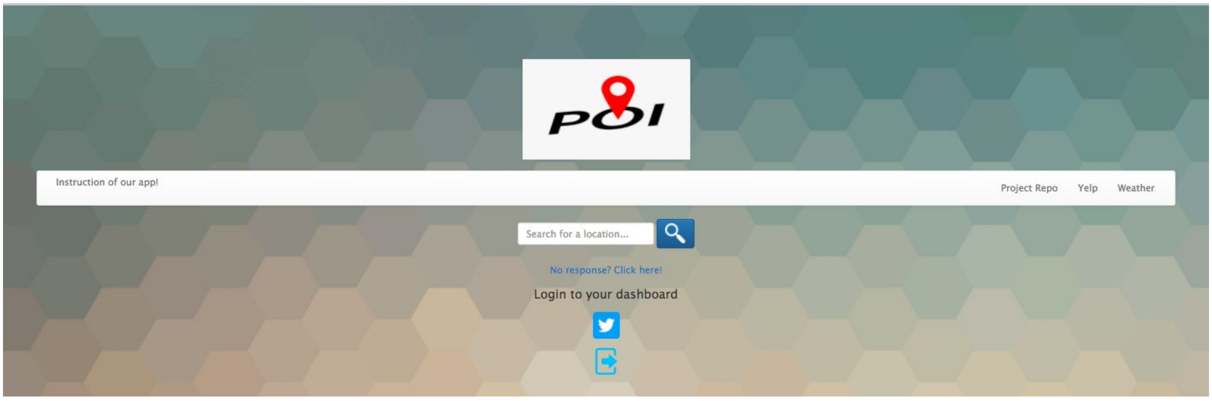
This app requires the user to log into Twitter in order to run all the functions.

Screenshots (preview):

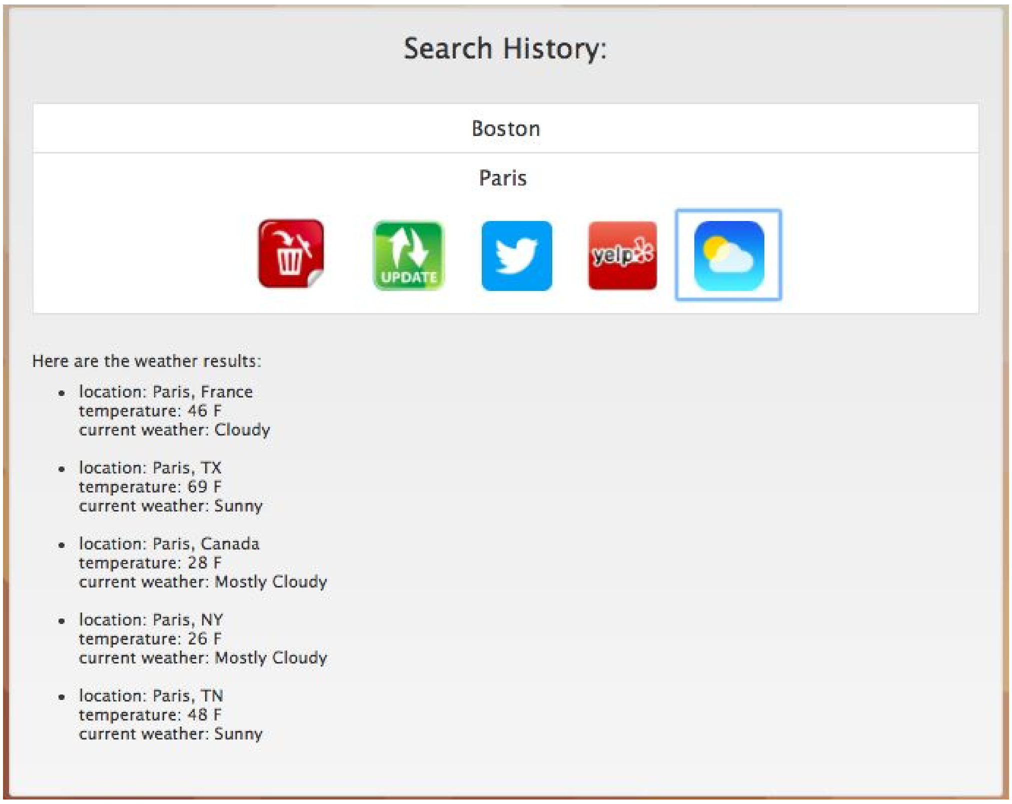


Remember! You need to login to activate the search bar!

After logging in, the logout button will appear.



When you click the weather button, it will search for the weather in your location and shows the following results:



Search History:

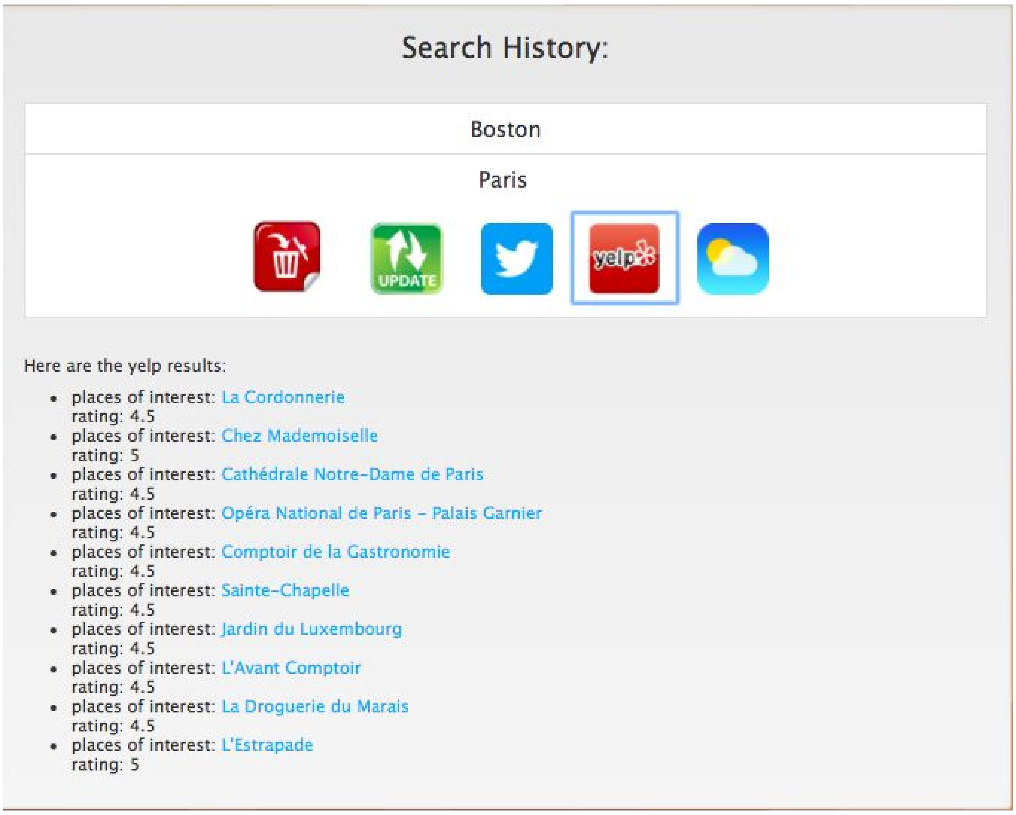
Boston

Paris

Here are the weather results:

- location: Paris, France
  temperature: 46 F
  current weather: Cloudy
- location: Paris, TX
  temperature: 69 F
  current weather: Sunny
- location: Paris, Canada
  temperature: 28 F
  current weather: Mostly Cloudy
- location: Paris, NY
  temperature: 26 F
  current weather: Mostly Cloudy
- location: Paris, TN
  temperature: 48 F
  current weather: Sunny

When you click on the Yelp button, it will search restaurants in your location and show the following results:



Search History:

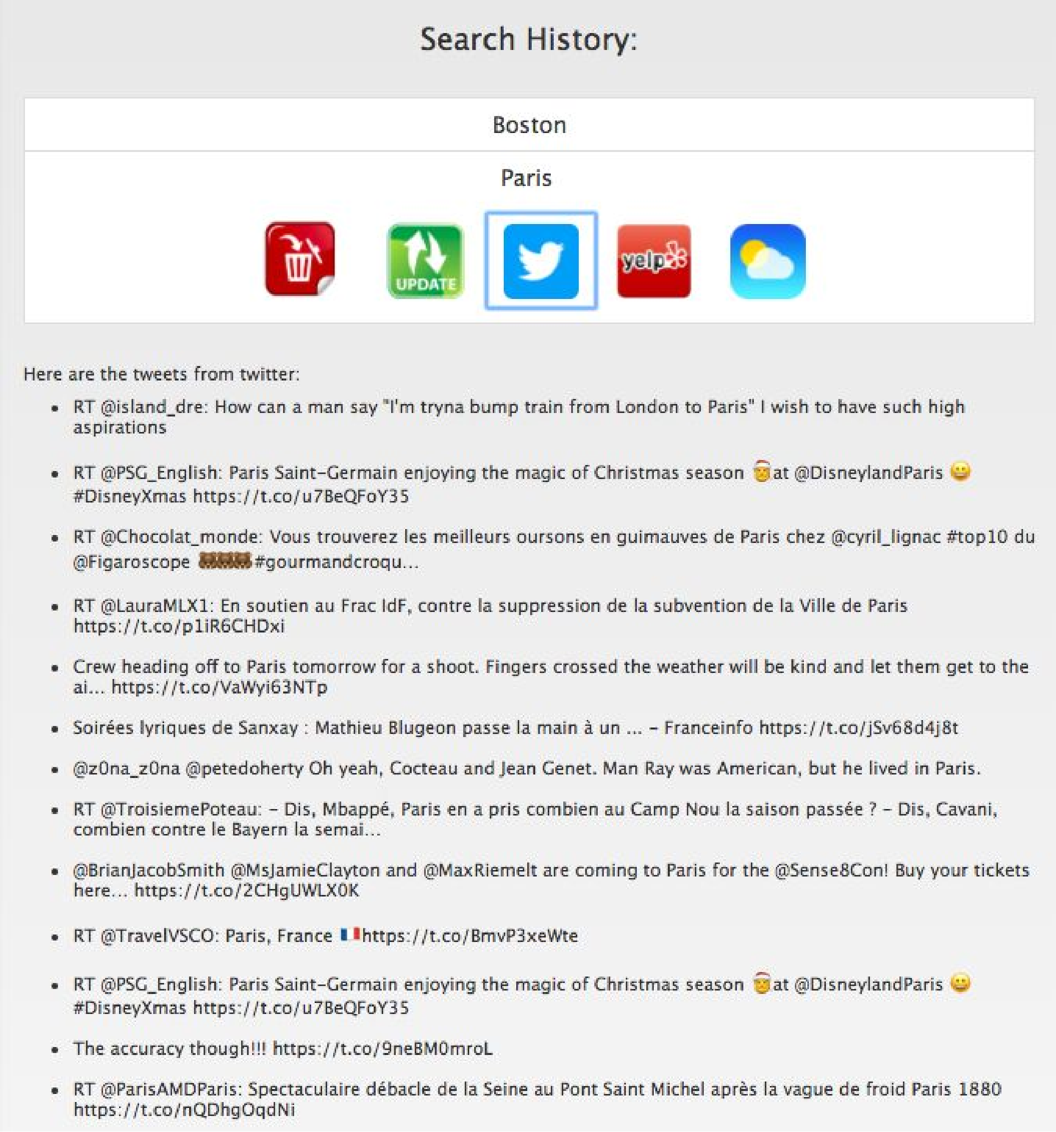
Boston

Paris

Here are the yelp results:

- places of interest: La Cordonnerie
  rating: 4.5
- places of interest: Chez Mademoiselle
  rating: 5
- places of interest: Cathédrale Notre-Dame de Paris
  rating: 4.5
- places of interest: Opéra National de Paris - Palais Garnier
  rating: 4.5
- places of interest: Comptoir de la Gastronomie
  rating: 4.5
- places of interest: Sainte-Chapelle
  rating: 4.5
- places of interest: Jardin du Luxembourg
  rating: 4.5
- places of interest: L'Avant Comptoir
  rating: 4.5
- places of interest: La Droguerie du Marais
  rating: 4.5
- places of interest: L'Estrapade
  rating: 5

When you click on the Twitter button, it will search Twitter using your location and your search terms, then show the following results:



Search History:

Boston

Paris

Here are the tweets from twitter:

- RT @island_dre: How can a man say "I'm tryna bump train from London to Paris" I wish to have such high aspirations
- RT @PSG_English: Paris Saint-Germain enjoying the magic of Christmas season 🎅at @DisneylandParis 😀 #DisneyXmas https://t.co/u7BeQFoY35
- RT @Chocolat_monde: Vous trouverez les meilleurs oursons en guimauves de Paris chez @cyril_lignac #top10 du @Figaroscope 🐻🐻🐻🐻#gourmandcroqu...
- RT @LauraMLX1: En soutien au Frac IdF, contre la suppression de la subvention de la Ville de Paris https://t.co/p1iR6CHDxi
- Crew heading off to Paris tomorrow for a shoot. Fingers crossed the weather will be kind and let them get to the ai... https://t.co/VaWyi63NTp
- Soirées lyriques de Sanxay : Mathieu Blugeon passe la main à un ... - Franceinfo https://t.co/jSv68d4j8t
- @z0na_z0na @petedoherty Oh yeah, Cocteau and Jean Genet. Man Ray was American, but he lived in Paris.
- RT @TroisiemePoteau: - Dis, Mbappé, Paris en a pris combien au Camp Nou la saison passée ? - Dis, Cavani, combien contre le Bayern la semai...
- @BrianJacobSmith @MsJamieClayton and @MaxRiemelt are coming to Paris for the @Sense8Con! Buy your tickets here... https://t.co/2CHgUWLX0K
- RT @TravelVSCO: Paris, France 🇫🇷https://t.co/BmvP3xeWte
- RT @PSG_English: Paris Saint-Germain enjoying the magic of Christmas season 🎅at @DisneylandParis 😀 #DisneyXmas https://t.co/u7BeQFoY35
- The accuracy though!!! https://t.co/9neBM0mroL
- RT @ParisAMDParis: Spectaculaire débacle de la Seine au Pont Saint Michel après la vague de froid Paris 1880 https://t.co/nQDhgOqdNi

When you misspell words, you can edit the search terms by clicking the update button. You can also delete the saved search and create a new search.

Looking Foward:

First, we could auto-detect the user's location with Google's map api. After getting this information, we could automatically update relevant nearby weather information, show a list nearby interested tweets, and grab pictures from instagram to display as a gallery. We could implement an auto-complete functionality allowing the user to type in part of their search terms and have the app auto fill their query. We also would like to provide a more dynamic view. For example, the user could see we could make users to see all data from all apis we are using instead now we have to click each icon to only get one. We would also add more APIs to get more relevant data.