V.I.E.W.S
Viewable Interactive Events and Weather Service

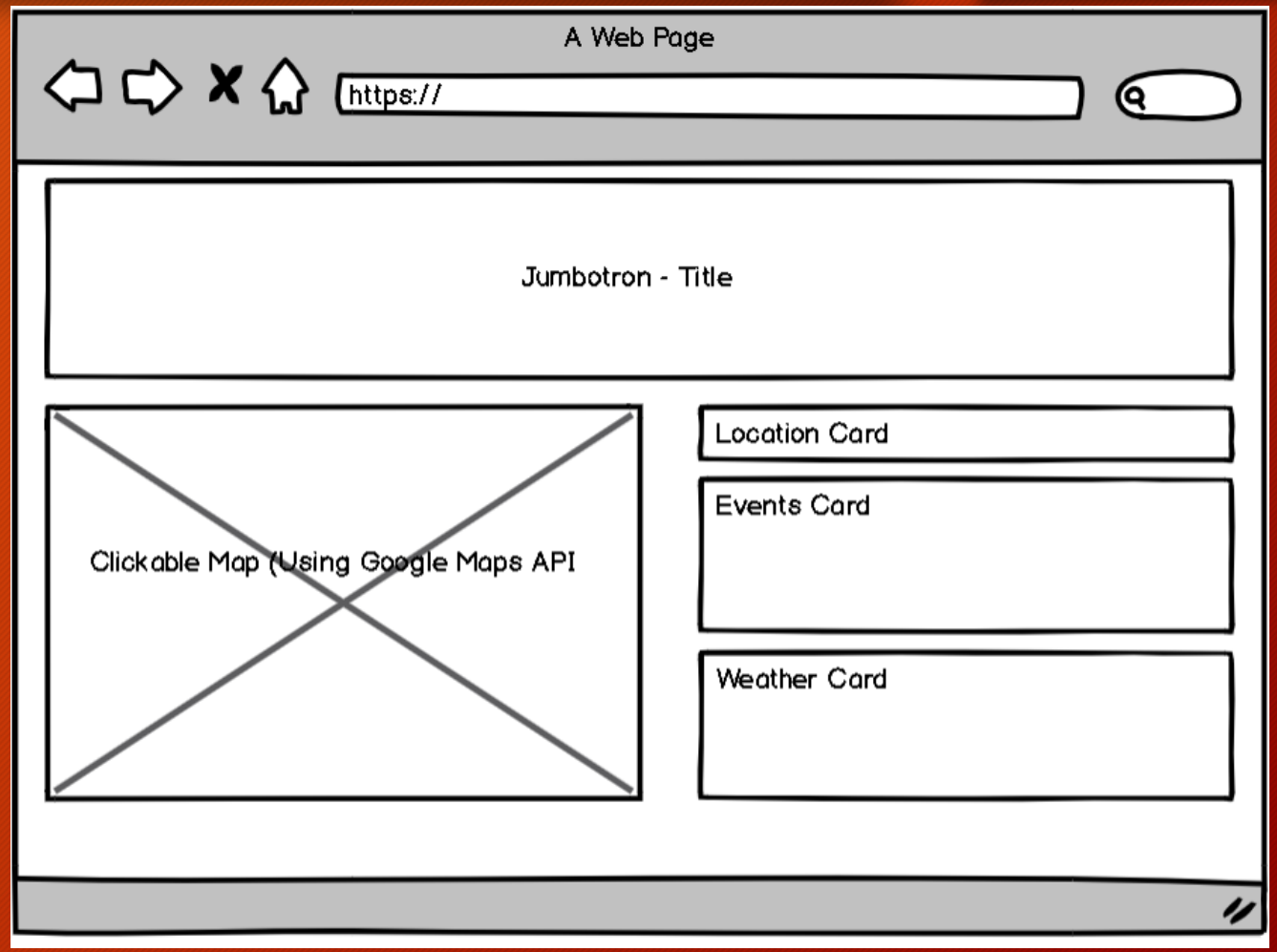
An Event Planner &Weather Service Application

Thursday, December 5, 2019

Project Team
- Brigid Woolery
- Eric Pinder
- Kiran Kesari
- Zachariah Thomas

Concept & Design explained

- Discover events happening around with just a single click on a google map. And because attending for some events require you to check weather and plan properly...we have both events and weather information displayed.
- Website designed with a thoughtful Wireframe
- Big map display with polished UI
- Location card to capture location details including the city and coordinates
- Scrollable Events and Weather cards
- Easy to navigate around the page
- Included bootstrap, font awesome, moment js features
- Used AJAX calls to pull data



Viewable Interactive Events & Weather Service

An application with

Cool Colors, Impressive Icons

&

Easy Access

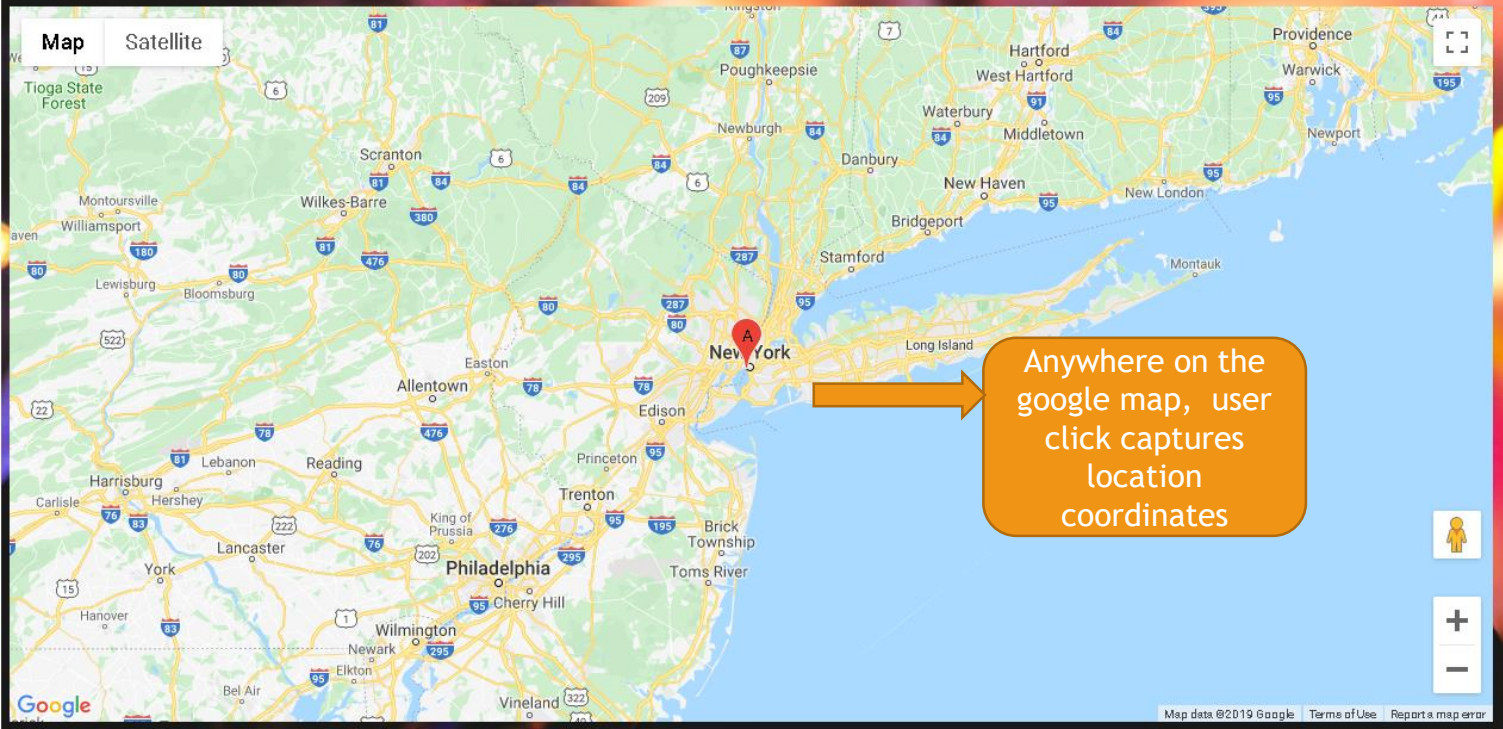
V.I.E.W.S

Viewable Interactive Events and Weather Service

Date: 12/04/2019 11:05:57 PM

catchy Acronym

Provides the city, coordinates and location details.



Anywhere on the google map, user click captures location coordinates

New York,US

Location: America/New_York@New York (40.7, -74.02)

Events (Events within 25 mile radius from the location chosen)

Lists all the events within 25 miles radius of the location listed

Event Name	Event URL	Venue Name	Venue URL	Venue Address	Eve Sta at
FUSION FRIDAYS AT MARACAS HOSTED BY TEAMINNO	Go!	Love Night Club	Location	225 47th Street, New York	Ma 13t 202 10:0 PM

Weather at the Location

light rain 37°F

Accurate weather including Wind speeds

V.I.E.W.S
Functionality explained

Live Demo

Technology explained - Jumbotron

Jumbotron

A Bootstrap Jumbotron with

- Background image
- Formatted date from moment js
- Font Awesome CSS Icons
- Carefully picked colors

Technology explained – Google Maps

Google Maps Platform

Registered for Google Maps API for API Key

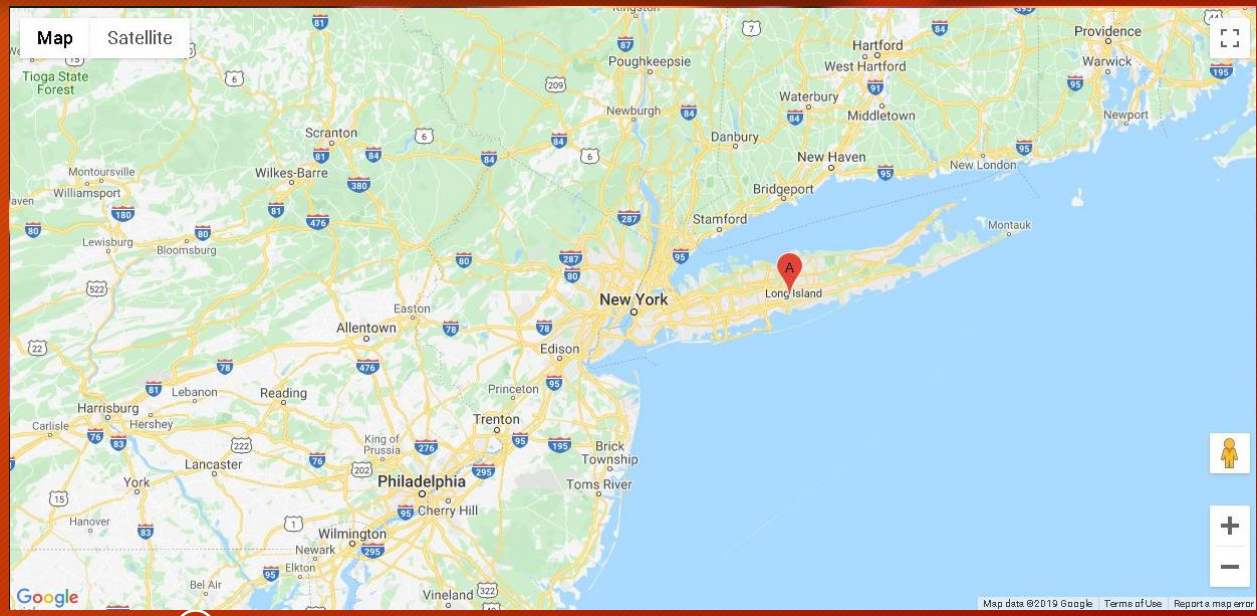
(https://developers.google.com/maps/documentation/javascript/get-api-key)

An interactive google map with

- Google maps event listener to capture user clicks

anywhere on the map

- Decent display of the map with Zoom 8
- Adds custom markers for every user click (A – Z)
- Captures the coordinates even in the middle of the ocean ☺
- Passes the click coordinates to subsequent Events (getEventsList(getPos)) and Weather (displayWeatherInfo(getPos)) functions



Technology explained – Events eventful

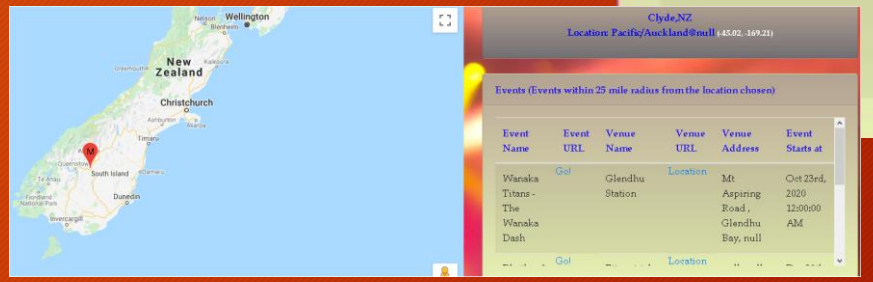
Registered for Eventful API for API Key

(https://api.eventful.com/keys)

An interactive Events list which

- Captures the user's click on the google map
- Lists all the events at the specified coordinates with in 25 miles radius
- Gradient background color display with scrollable tabular window
- Specifies no events in case of no events at the provided location
- Absolutely no restriction on

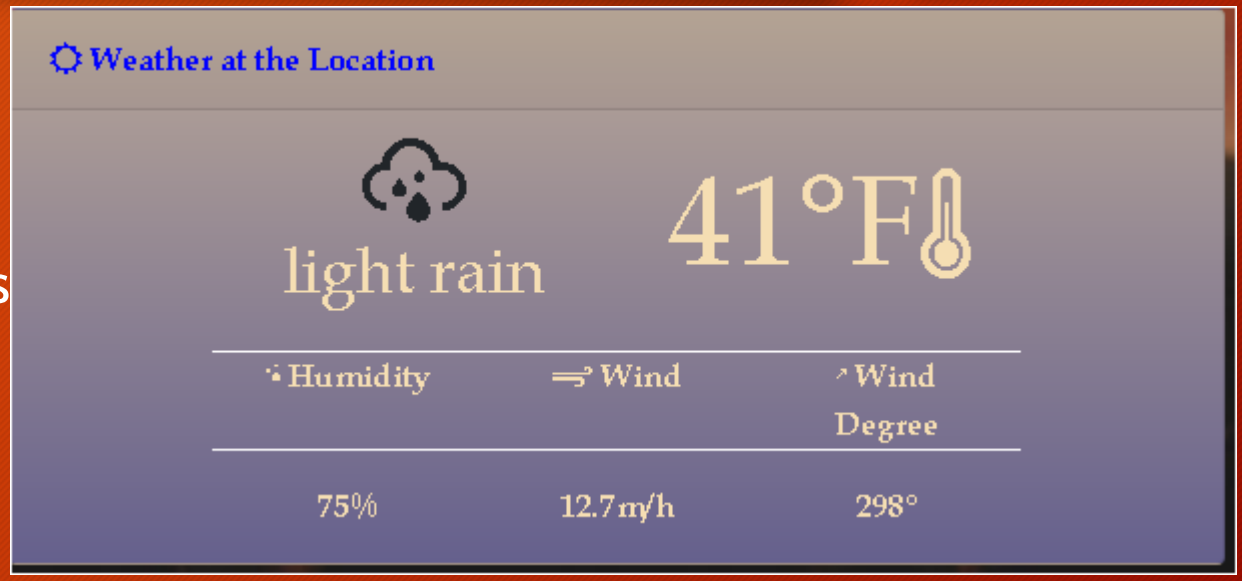
the selection of the location.



Technology explained - Weather

Registered for Weather API for API Key

(https://openweathermap.org/api)



An interactive weather display which

- Captures the location coordinates from google maps
- Accurate weather display
- Big font display with weather icons
- Displays Humidity and Wind values
- Gradient background color display with scrollable window
- Yes, displays weather even if the user click is in the middle of the ocean ☺

Click anywhere ? Validates the user click ?

Challenges & Future enhancements

Challenges

- Technical difficulty in using Google Maps Javascript API - Not able to separate out the Java Script / JQuery logic from the main html page, ended up including all the script logic within the html file
- Had issues in reducing the height of the Jumbotron; screen size adjustments for various screens
- Delay noticed in retrieving data from the Eventful API and Weather API

Planned future enhancements

- Include a login page
- Add a calendar object
- Include events search -> Search by Date; Search by Artist at a provided location
- Provide feature to mark selected events as favorites
- Use database features to store, retrieve and display user selected favorites recognizing the login
- Include a new tab for address navigation / directions to the selected event venue