

Milestone 1

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Our application allows users to find nearby events based on GPS location, rate events, and possibly view others' ratings of events. In order to accomplish this end goal, progress has been made to implement and understand a web API for local events, called "Eventful". This API finds details about events and allows developers to access a JSON Array that is generated by the web service. The JSON information is accessed by using a developer key, and requesting a specific query for events. We were able to retrieve information for locations all over the United States, by inputting a county or state ("Charlottesville" for example).

So far, the application implements a temporary search function to use as the location, but this will be retrieved from the GPS in future implementations. One-word locations result in a list of nearby, approaching events appearing on the screen. We were able to parse the "title" of each event and simply display that, for now. We imagine parsing the date, details, etc. will be relatively simple. We are also experimenting with different queries that include additional details besides the location of the events. Thus, for this milestone we have demonstrated a significant understanding of the web service, Eventful, and have proved that we are able to retrieve data from a generated JSON.