**Dark Sky Weather API**

**API Key:** e319b7a02841ce79f4c9eba2f95edae6

**API Request Types:** Forecast Request, Time Machine Request

We are only using ‘**Time Machine Request**’ in our project.

**Time Machine Request**

**https://api.darksky.net/forecast/[key]/[latitude],[longitude],[time]**

**[latitude]** required (We already have this parameter)

**[longitude]** required (We already have this parameter)

**[time]** required (We need to calculate this parameter based on event date)

Either be a UNIX time (that is, seconds since midnight GMT on 1 Jan 1970) or a string formatted as follows: [YYYY]-[MM]-[DD]T[HH]:[MM]:[SS][timezone]. timezone should either be omitted (to refer to local time for the location being requested), Z (referring to GMT time), or +[HH][MM] or -[HH][MM] for an offset from GMT in hours and minutes. The timezone is only used for determining the time of the request; the response will always be relative to the local time zone.

A Time Machine Request returns the observed (in the past) or forecasted (in the future) hour-by-hour weather and daily weather conditions for a date. A Time Machine request is identical in structure to a Forecast Request, except:

* The **currently** data point will refer to the time provided, rather than the current time.
* The **minutely** data block will be omitted, unless you are requesting a time within an hour of the present.
* The **hourly** data block will contain data points starting at midnight (local time) of the day requested, and continuing until midnight (local time) of the following day.
* The **daily** data block will contain a single data point referring to the requested date.
* The **alerts** data block will be omitted.

**Example Query String:**

**https://api.darksky.net/forecast/e319b7a02841ce79f4c9eba2f95edae6/42.024160,-87.944536,1510394400?exclude=hourly,daily,minutely,flags**