

Task 1

Create a ShEx schema to validate events like the following:

```
prefix: <http://example.org/>
prefix xsd: <http://www.w3.org/2001/XMLSchema#>

:tornado1 a :Event ;
    :scale :EF4 ;
    :lengthInMiles 18.17 ;
    :widthInYards 1050 ;
    :state :Ohio ;
    :country :Montgomery ;
    :source :NWSStormSurvey ;
    :beginDate "2019-05-27T21:41:00"^^xsd:dateTime ;
    :endDate "2019-05-27T22:13:00"^^xsd:dateTime .
    :reportSource :nwsStormSurvey;
    :beginLocation :2NEMETAMORA;
    :endLocation :2NEMETAMORA;
    :beginLatLong "40.8/-89.33333"^^xsd:string;
    :endLatLong "40.8/-89.33333"^^xsd:string;
    :deaths false;
    :injuries false;
    :numberOfDeaths 0;
    :numberOfInjuries 3 .
```

Task 2

Create an EntitySchema for events (such as tornado), containing constraints (of any type) for the following Wikidata properties:

- Instance of
- country
- image
- video
- length
- width
- state
- measurementScale
- coordinate location
- start time
- end time
- lowest atmospheric pressure