Behaviour Risk Model Algorithm (BRMA) Api Design Doc

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Input: (string)
        URL: http://brma.herokuapp.com/api/v1
        GET/POST parameter: gps data
        desc: set of lines where each line have exactly three fields latitude, longitude and
              minutes spent at that location.
       sample:
       {'location':
                   {'duration': 120, 'latitude': 50.73858, 'longitude': 7.07873}, {'duration': 120, 'latitude': 50.737204, 'longitude': 7.102983}, {'duration': 120, 'latitude': 26.13, 'longitude': -80.32}
        }
Output: (json)
        desc: JSON consisting of:
                a. brma score: the BRMA score ranging from 0 to 150
                b. nimby score: ranging from 0 to 50
                c. yimby score: ranging from 0 to 50
                d. env score: JSON consisting of:
                        * agi: air quality score ranging from 0 to 12.5
                        * crime score: ranging from 0 to 12.5
       sample: {"brma score": 69.25, "nimby score": 0, "yimby score": 50,
                  "environment score": {"normalized environment score": 19.25,
                  "crime rate": 6.375, "air quality index": 3.25}}
ProjectVision Error Codes:
        100: 'invalid ison'
       101: 'invalid value'
      102: 'missing value'
Code Description:
        repository: <a href="https://github.com/projectvision/healthapp-api2">https://github.com/projectvision/healthapp-api2</a>
        command to run the api: python web api.py
        modules:
                web api: handler for get/post requests
                scorer: computes nimby and yimby scores
                env scores: computes both the environment scores (agi and crime)
                crime rate api: interface for provide crime rates for a given lat/long
       config: the yaml format file of yimby and nimby locations
        requirements: list of required python libraries
        templates/: containing the html
        Procfile: heroku specific file for running the app
        crime rate.cc: utility script for parsing the crime date (not production relevant)
```

test_api: simple python script for demoing api usage.