**Use Case ID:** SOS23 – Geolocation Event System

**Use Case Level:** User Goal

**Details:**

* **Actor:** User (Organizer, Member, Guest)
* **Pre-conditions:**
  1. User have made an account on the web app already.
  2. User enabled access to their current location via GPS.
* **Description:**
  1. Use case begins when the User goes to the events page or the home page on the website.
  2. The system asks for accessing to the current location of the user by GPS.
  3. The system verifies that User gave access to their location and will find nearby events based on their location and show them on the map and calendar view.
  4. The case ends when the expected events shown to the User.
* **Relevant requirements:**

GPS and Geolocation Services available in most web browsers (Desktop and Mobile).

* **Post-conditions:** None.
* **Alternative Courses of Action:**

**Extensions:**

None.

**Exceptions:**

None.

**Concurrent Uses:**

None

**Related Use Cases:**

None

**Decision Support**

**Frequency:**

**Criticality:**

**Risk:**

**Constraints:**

* Usability
  1. User must be aware of their privileges and what actions those privileges permit.
* Reliability
  1. Mean Time to Failure – 1% failure yearly is acceptable.
  2. Availability – 30 minutes in a 24-hour period for backup and maintenance.
* Performance
  1. Privilege Checks should be done within 2 seconds.
  2. The system should handle 20 privilege checks in 1 minute.
* Supportability
  1. Should be supported by all browsers.
* Implementation
  1. Using Java-based software for back-end.

**Modification History**

**Owner:** Kian Maroofi

**Initiation date:** 09/10/2019

**Date last modified:** 09/10/2019