**Use Case ID:** SOS22 – Attendance Tracker

**Use Case Level:** User Goal

**Details:**

* **Actor:** User (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 already signed up for a specific event.
  2. The system will simultaneously if the User is within the range of the event at the time it is happening.
  3. The system then marks the user as present in the event if their location is within the event range and may add to their score (depending on whether event type enabled scoring users based on their attendance).
  4. The case ends when the mentioned event ends.
* **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