**Use Case ID:** SSL15 – Earn Points

**Use Case Level:** User Goal

**Details:**

* **Actor:** Member
* **Pre-conditions:**
  1. Member has successfully logged onto the system.
  2. Member belongs to an organization.
  3. Member is participating in the organization’s points ranking.
* **Description:**
  1. Use case begins when the Member is registered as participating in an Event.
  2. The system shall check the Event log to see if the Member is already marked as having participated in this Event.
  3. The system shall note the Member’s participation on the Event log.
  4. The system shall note the Member’s participation on the Member’s page.
  5. The system shall award the Member a certain amount of points, as defined by the Event specifications.
  6. The system shall update the Organization’s ranking to reflect the new points.
  7. The case ends once the system notifies the Member that his or her point ranking has changed, by how much, and what his or her new ranking on the Organization is.
* **Relevant requirements:**

None

* **Post-conditions:**
  1. The Event log has been updated with the Member’s participation.
  2. The Member’s points towards the organization has been updated.
  3. The Organization ranking has been updated with the Member’s new points.
* **Alternative Courses of Action:**
  1. In steps D.2, if the Member’s participation is already in the Event log, then all of the following steps are ignored. The Member is notified that he or she has already participated in the Event.

**Extensions:**

None.

**Exceptions:**

1. The Event log, Organization, and Ranking are not accessible or active. In which case the Member shall be notified of the error and told his or her points will not be counted.

**Concurrent Uses:**

None

**Related Use Cases:**

SSLXX – Registering in an Event

**Decision Support**

**Frequency:** On average, 15-30 participants per Event, with an average of 3 Events per Organization created weekly.

**Criticality:** Medium. The point and ranking system is an optional functionality that not everybody will use, and that is subordinate to other systems.

**Risk:** Medium. Implementation does not require any complex specialized knowledge.

**Constraints:**

* Usability
  1. No previous training or knowledge. The system should respond without user interaction after the registration is completed.
* Reliability
  1. Meant Time to Failure: 5% failure monthly is acceptable.
* Performance
  1. The system should be able to handle 20 requests in 1 minute.
  2. The system should update the Event, Member, and Organization logs within 2 seconds.
* Supportability
  1. Point earning should be supported by Chrome, Mozilla, and IE.
* Implementation
  1. The implementation shall use JS React for front-end, and Java-based software for back-end, as well as SQL for database management.

**Modification History**

**Owner:** Armando J. Ochoa

**Initiation date:** 09/01/2019

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