**Use Case ID:** SOS18 – Prevent Access

**Use Case Level:** Security.

**Details:**

* **Actor:** Misuser
* **Pre-conditions:**
  1. The Misuser has no access to an Event, Organization, or Member page.
  2. The Misuser has not obtained a valid authentication from a Member with access to an Event, Organization, or Member page.
* **Description:**
  1. Use case begins when the Misuser attempts to gain access an Event, Organization, or Member page. This is done through the log-in page, or by trying to see and/or participate in an Event or Organization the Member is not invited to.
  2. The system shall request the Misuser’s identity.
  3. The system shall attempt to authenticate the Misuser and/or check their privileges.
  4. The system shall reject the Misuser.
  5. The case ends when the system has notified the proper Member or Organization that an infiltration attempt has occurred.
* **Relevant requirements:**

None

* **Post-conditions:**
  1. The system has stopped a Misuser from accessing an Event or Organization.
  2. The system has notified the involved parties of a potential infiltration attempt.
* **Alternative Courses of Action:**

None

**Extensions:**

None.

**Exceptions:**

None.

**Concurrent Uses:**

None

**Related Use Cases:**

SSLS14 – Check Privileges.

**Decision Support**

**Frequency:** On average, 20 attempts per day.

**Criticality:** High. The system should not allow Misusers to easily access non-privileged pages.

**Risk:** Medium. This is a standard security measure that does not require a lot of work to implement.

**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:** Armando J. Ochoa

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

**Date last modified:** 09/01/2019