

OzAttend SRS Document, Team F, Version 1.0

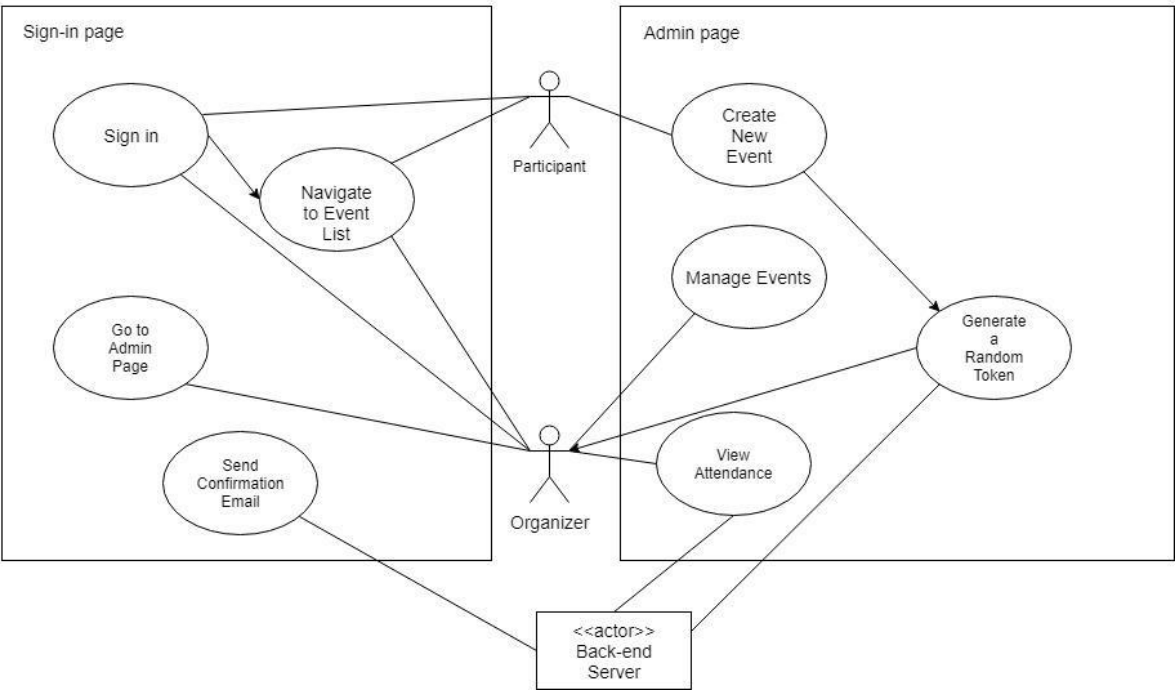
Stakeholders: Daniel Garcia (Programmer), Tek Bhattarai (Programmer), Aaron League (Programmer), and Prof. Ulises Mejias (Sponsor, Customer)

Task Force: Daniel Garcia, Tek Bhattarai, Aaron League

Domain Analysis:

- 1.) OzAttend should be used to take attendance at SUNY Oswego events
- 2.) OzAttend shall provide a time improvement over the passed-paper attendance method
- 3.) OzAttend shall provide an improvement in reliability over the passed-paper attendance method
- 4.) OzAttend shall allow users to create events.
- 5.) OzAttend shall not interact with external systems.
- 6.) Users shall sign in using their Oswego email
- 7.) Users shall mark their attendance using laptops
- 8.) Users shall mark their attendance using mobile devices
- 9.) OzAttend shall become a web based system
- 10.) OzAttend should be used in any place around the SUNY Oswego campus

OzAttend Use Case Diagram



- 1.) User create an account
- 2.) User sign in to account
- 3.) User check event list
- 4.) User select an event
- 5.) User sign in to an event
- 6.) User sign out from account
- 7.) Admin user create an account
- 8.) Admin user sign in to account
- 9.) Admin user create an event
- 10.) Admin user view attendance

- 11.) Admin user print attendance
- 12.) Admin user sign out from account

Requirements and Constraints:

User Classes:

- 1) There shall be three user classes: Administrator, Organizer, and Participant
 - a) The Administrator class shall consist of Prof. Mejias only
 - b) Administrators will have Organizer status for all events
 - c) Organizers shall be allowed to assign Organizer status for a specific event to anyone with a SUNY Oswego email address
 - d) Co-Organizers shall have identical privileges to Organizers for the specific event for which they have been given Organizer privileges
- 2) Each user may create a user account for him/herself
 - a) The OzAttend website will contain fields for entering an email address and password
 - b) Users who sign up will receive a confirmation email
 - c) The confirmation email will contain a confirmation code
 - d) Logging in to a user account should take the user to a list of all events, along with a list of all events for which that user is an Organizer

Event Creation and Management:

- 3) The OzAttend website should contain a list of upcoming events
 - a) Events which are in the process of taking attendance should be shown to be active in some way
 - b) Organizers who are logged in to their user accounts should be able to edit events
- 4) The OzAttend website should have an administrative section in which Organizers can create events
 - a) A user will be able to create events if and only if they have a SUNY Oswego email address and an OzAttend user account
 - b) Users should only be able to create events if they are logged in to their OzAttend user account
 - c) Organizers should be able to create an event by entering an event name, date, time, and location in the administrative section of the OzAttend website
 - d) Location will consist of a building name and room number
- 5) Each event will have a unique Event Key
 - a) An Event Key will be automatically generated upon event creation
 - b) An Event Key will consist of six letters
 - c) An Event Key will be randomly generated for security purposes
 - d) The Event Key for an event will be automatically shared with the Organizer who has created the event
 - e) The Event Key for an event will be automatically shared with any Co-Organizers of that event at the time when they are given Organizer status
- 6) Organizers shall be allowed to edit any parameter for the event for which they have Organizer status, except the Event Key
- 7) Organizers shall be allowed to delete the event for which they have Organizer status
- 8) Organizers should only be able to edit or delete an event if they are logged in to their OzAttend account

Event Attendance and Attendance Data:

- 9) Users shall be prevented from marking their attendance at events they have not attended
 - a) Sign-in will be restricted to the duration of an event
 - b) Organizers will provide the Event Key to the Participants
- 10) Participants shall use the OzAttend website to mark their attendance

- a) The OzAttend website should have appropriate fields for entering name, email address, and Event Key
 - b) Participants shall mark their attendance by entering the Event Key into appropriate fields in the OzAttend website
- 11) Participants with no personal access to OzAttend should be able to mark their attendance using a borrowed device
- a) Participants should be able to record their attendance from a web browser on any web-enabled device
 - b) The procedure for marking attendance with a borrowed device should follow item 10b
- 12) Organizers shall be provided a list of Participants who have attended their event
- a) The list should become available as soon as the event start time has passed
 - b) The list should include an indication as to whether the IP addresses of Participants are within the university domain
- 13) Participants should be sent a confirmation each time they attend an event

UML Class Diagram:

