Event Sharing Android App
Use Case Diagram

Submitted to:

Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:
Bacister, Camille Grace
Lenon, Mikaela Jun
Ubias, Zachary James

In partial fulfillment of Academic Requirements
for the course
CS 191 Software Engineering I
of the
1st Semester, AY 2015-2016

Unique Reference:

The documents are stored in the https://github.com/Zhalen/event-sharing-app

https://github.com/Zhalen/event-sharing-app/blob/master/02-Requirements%20Engineering/Event%20Sharing%20Android%20App%20-%20Use%20Case%20Model.pdf

Document Purpose:

The purpose of this document is to provide a better understanding of the relationship between the users who will use the project and their interactions with the system. This will help the audience know what can each of the actors, those who will use the project and those who we will obtain information from, do and not do.

Target Audience:

This documents aim to target developers who are also interested in this project, the client, and the possible users of the project.
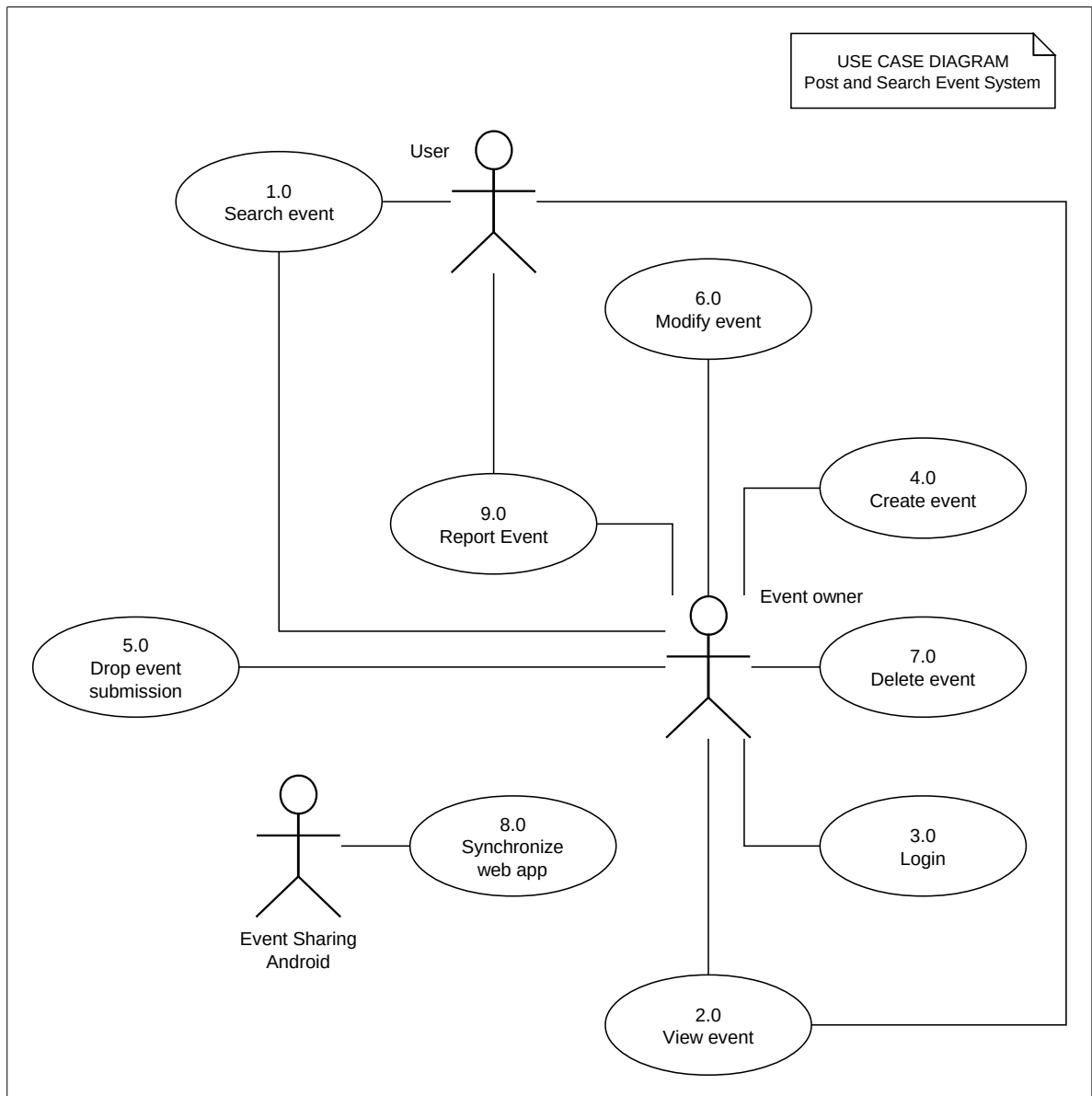
Revision Control

History Revision:

Revision Date	Person Responsible	Version Number	Modification
09/12/15	Mika Lenon	1.0	Initial Document; Added a system description. Added actors and their description.
09/15/15	Camille Bacister	1.1	Added use-cases and description
09/15/15	Mika Lenon	1.2	Added use-cases and description
09/15/15	Zachary Ubias	2.2	Redefined descriptions. Added use-cases. Changed name of Cancel Event to Drop Submission Event
09/19/15	Zachary Ubias	2.3	Made some changes with the Use Case Diagram Image: 1. Linked Report use case to Event Owner; 2. Changed link for 'Create an Account' use case, from Event owner to User.
09/19/15	Zachary Ubias	2.4	Removed 'Create Account' use case. Use case was left for the system's web app implementation.

System Name: Post and Search Event System

Description: The system describes the functionality of the system and basically shows what the system does. The main functions of this system are posting and searching events. Searching events is simple, but a prerequisite such as registration and logging-in by the user must be done in order to post an event. An actor, which can be a person or another machine, has corresponding use case(s); actor interacts with the system to do particular actions, e.g. event owner uploading events or user searching events. This system explicitly shows what actions can an actor do with the system, and which actors can only perform particular tasks.

Use-Case Diagram:

USE CASE DIAGRAM
Post and Search Event System

User

1.0
Search event

6.0
Modify event

9.0
Report Event

4.0
Create event

Event owner

5.0
Drop event
submission

7.0
Delete event

8.0
Synchronize
web app

3.0
Login

Event Sharing
Android

2.0
View event

List of Actors:

Actors	Description
Event Owner	Event owner is also a user who can search and view events, but they are the ones who registered for an account in the application. Hence, they can upload events that will be posted (if approved by the administrator). Their account and inputs are also synced with the web application
Users	Users can be anyone who can simply come-and-go the website to search and view events anonymously. The only use-cases related to the users are Search Events and View Events.
Web Application	Android application must be in sync with the Web Application. The data uploaded or modified in the mobile app should also be passed to the web application and vice versa. The changes that are needed to be sync are the changes done by the Event owners.

List of Use-cases:

Use-Case	Description
Search Events	Search Events is a major functionality under the users and event owners. Anyone who downloaded the application can search for different events around UP. Events of particular categories such as performance, film, organization, competition, and food can also be seen through this use-case.
View Events	This functionality allows the users to click on the event and view its details. Important information such as date, place, person to contact, and other details are included in this functionality.
Log-in	Log-in is a functionality done by the event owner. There are two ways to be able to log-in: create a new account or connect their Facebook or Gmail account. Upon logging in, they can now Create Event. They can also modify and delete their published events.
Create Event	Create Event is a use-case model under the event owner. This functionality tends to create an event along with its specific information. Although any event owner can upload events, only the administrator has the ability to publish it on the application for users to view it.
Drop Event Submission	Drop Event Submission is a counter-part use-case for creating an event that is under the event owner. The event owner cancels an event with pending approval from the administrator.
Modify Event	Modify Event only applies to publish events on the application and only the event owners who uploaded the said events can modify it. Modifications such as change of place of the event, time of the event and other specifics can be done through this use-case.
Delete Event	Delete event is only applicable for publish events approved by the administrator. This use case model opt to delete the event on the application. Uploaded events which are not yet publish cannot be deleted by the event owner, instead, they can be canceled.
Synchronize	Sync local Database with the Web Application's Database. Changes are only done by the event owner and administrator.
Report Event	The user can report suspicious published events. There is a chance that an event owner might use false information to make the administrator approve his post. A solution for a situation like this is to add a functionality of Report Event under the users.