# About activity

## Normal Activity:

Very basic live cycle,

Volunteers need to sign in before participate. When participate they need to chick in and after finished the need to check out. Up on check out, they can get score or if they have done badly they get no score.

### State transition:



**Draft:** when being created an activity is in draft state. It can be viewed only by the organizers in the corresponding organization and the organization. It can be modified by the organizers in the corresponding organization.

**Approved:** Approved by the organizer in the corresponding organization. Activities in this state are public and can be viewed by volunteers and cannot be modified.

**CanSignIn:** when passed the SignIn start time and not full of participants. In this state, volunteers can SignIn this activity.

**Full:** when in signIn state, people count has reached the max limit. In this state, no one can SignIn, but when someone has signed out, it goes back to the CanSignIn state.

**Abort:** If the activity passes the SignIn close time and has not enough volunteers if will be in Abort state. This is a final state.

**Ready:** when passed the SignIn close time and has enough people. When in this state, no one can SignIn or out. The activity is going to start.

**Running:** when passes the due time. In this state, the activity is running, and volunteers can check in and check out.

**Finished:** when passed the finish time of the organizer manually finishes this activity. In this state, not one can check in or out. If the volunteers are not checked in they will be checked out automatically, if not check out it will be checked out automatically. Both will be checked out as not finished.

### From Volunteer perspective:

The state transition of the VolunteerParticipateInActivityRecord:



This diagram is pretty much self-explain.

The ParticipateStatus of a volunteer is calculated using the diagram above.

## Scattered Activity:

This activity is very different from the first one. It does not require SignIn. Volunteers can go to that activity and check in without SignIn. And then check out. This activity does not have a minimum volunteer count limit, but can have a maximum. As it does not have sign in state, the volunteer limit act on checked in people count.