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**Sprint 1 Documentation**

# **User Requirements, Functional/Non-functional Requirements**

* Consumers should be able to view a map of local and upcoming activities that do not conflict with events in their schedule.
  + The system shall require users to log in via Google. (F)
  + The system should access the user’s Google Calendar in order to find free time ranges in their schedule for activities. (F)
* Consumers shall be able to access upcoming and attended activities.
  + The system shall collect activities such as hikes, concerts, places to eat, and other events from the Google API and store them in the database. (F)
  + The system should fetch recommendations from the database within 5 seconds. (NF)
* Organizers shall be able to contribute new activities to the database.
  + The system shall allow only authorized users to add activities to the database. (F)
  + The system shall validate local organizers to authorize them to add upcoming activities to the database. (F)
* New organizers shall be able to submit a request for authentication to post events.
  + The system should respond to an authentication request within one week of submission. (NF)
  + The system shall be able to revoke the authorization of an organizer if necessary. (F)

# **User Stories and Acceptance Criteria**

* As a consumer, I can search for events near me, so that I can find things to do.
  + I can find events that are ongoing or upcoming.
  + I can choose to find more information on events I’m interested in.
  + I can search for events without filters, or search by type (enumerated in glossary), event time range, event posting date, or age restrictions
* As a consumer, I can browse events by event category, so that i can find a specific type of event
  + I can select a category of events to view
  + I can view a list of events of the same type
  + I can further filter the events in a given event type list
* As a consumer, I can switch between a day and night style of the product website, so that I can reduce strain on my eyes at night
  + I can switch to a day style with a light background
  + I can switch to a night stype with a dark background
* As a consumer, I can choose to watch events, so that I can be automatically contacted of changes to those events
  + I can ‘watch’ events
  + I can receive emails of changes to events im watching
* As an organizer, I can create a new event, so that other users may see and potentially attend it.
  + I can provide a name, location, time, and additional description to my event
  + I can save my event
  + I can save a draft of my event.
  + I can publish a draft of my event
  + I can view my event as a user.
  + I can see how many people are interested in my event.
* As an Organizer, I can edit my existing events, so that i may provide new information
  + I can edit my event after it has been created.
  + I can automatically inform users watching my event of changes to the event information
* As a Consumer, I can pull up my Google calendar and manage my dates and times, so I can find events that don’t conflict with my schedule.
  + I can import my calendar from Google.
  + I can view information about events that are ongoing.
  + I cannot edit my calendar directly from this application; rather, I can follow the link on the page to edit the calendar from Google.
  + I will receive a new list of events with events that have time conflicts with my calendar filtered out
* As an Admin, I can add, view, edit, and delete events, so that I can oversee what events are being posted
  + I can create new events
  + I can view recently created events
  + I can change posted events to pending if the event’s authenticity comes into question
  + I can edit existing events
  + I can delete events
* As an Admin, I can authenticate an individual event, so that consumers may see the event in event search results
  + I can authenticate an event
* As an Admin, I can authenticate and unauthenticate organizer accounts, to control who can post events without individual authentication
  + I can authenticate an organizer account
  + I can unauthenticate an organizer account

**Security Requirements**

* The system shall salt passwords being passed between parts of the system to ensure their plaintext value can’t be viewed at any point.
  + Risk Identification: Hackers get information and access to accounts they should not be able to.
  + Risk Analysis: Our passwords must be stored safely in our database
  + Risk Decomposition: Our passwords are stored as plaintext (at first).
  + Risk Reduction: Salt those passwords!
* Consumers shall not be able to view the calendars and schedules of other users.
* Organizers shall not be able to modify the details of events posted by other organizers.
* Consumers will not be able to access other’s event log or schedule
  + Consumers will not be able to access other’s personal information
* Consumers or Organizers cannot remove other’s events

**Safety Requirements**

* Admins shall authenticate postings so criminals/predators cannot create events with the intention of harassing or harming people.
  + Risk Identification: Predatory or criminal consumers can create events with the intention of harassing or harming the people that attend.
  + Risk Analysis: There is a need to filter out events created with malicious intent.
  + Risk Decomposition: The postings have no form of verification for authenticity.
  + Risk Reduction: Have admins authenticate postings to verify legitimate events.
* Consumers will not be able to access other’s event log or schedule
  + Consumers will not be able to know where others are and harass them in person

**Glossary**

* Consumers: users of the application seeking to find and attend activities
* Organizers: system-authorized users of the application capable of organizing and posting events
* Activities:events that are being recommended for users by the system
  + i.e. food, hike, concert, event, etc.
* Event log:System component that displays current and upcoming events
* Scheduler:System component that manages users inputted dates so that the system can recommend events that do not conflict with the user's schedule//
* Watching events: Consumers have set up notifications for updates to specific events

**Use cases UML**





