

# CZ2006 Lab Deliverable 1 - Ace It Group

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## Project Mission Statement

EventSG is a mobile application for island-wide community event publishing and registration. It enables event organizers to post upcoming community events and allows interested individuals to browse and sign up for posted events.

Dataset used: Community Clubs (<https://data.gov.sg/dataset/community-clubs>)

Target users: event organizers, participants, property owners

As a/an ...	I can ...
General user (Event organizer, Event participants and Property Owners)	<ol style="list-style-type: none"><li>1. Login and sign up;</li><li>2. Create and edit my profile;</li><li>3. Browse events published</li></ol>
Event organizer (can be an individual or an organisation)	<ol style="list-style-type: none"><li>4. Create events;</li><li>5. Rent event venues;</li><li>6. Give ratings to the rented venues;</li><li>7. Check information of event participants;</li><li>8. Track attendance rate and people who attended;</li><li>9. Update event details and notify participants of changes (date, venue or time...)</li></ol>
Event participant (attendees for an event)	<ol style="list-style-type: none"><li>10. Search/filter events according to category, time and location;</li><li>11. Follow an event organizer;</li><li>12. Get notified about events nearby; (is this needed? I don't know, a bit extra, but we leave it there for now, hhhh) no</li><li>13. Check in at an event; (register or show you're interested)</li><li>14. Rate an event and write reviews;</li><li>15. Get notified about the upcoming registered events;</li></ol>
Property Owners (those who rent out spaces for hosting events)	<ol style="list-style-type: none"><li>16. Create property listing;</li><li>17. Provide event venues for rental at a certain rate and capacity;</li><li>18. Update available time for the event venues;</li></ol>

## Functional Requirements

1. All users shall be able to manage their account information.
  - 1.1. Users must register an account when they use EventSG for the first time.
    - 1.1.1. Users must set a username for their account.
      - 1.1.1.1. The username must be unique.
      - 1.1.1.2. The username must contain at least 8 characters and no more than 16 characters.
    - 1.1.2. Users must set a password with at least 8 characters that contain at least one uppercase letter, one lowercase letter and one special character(\*, @, %, !).
    - 1.1.3. Users must choose their date of birth from a drop-down menu.
    - 1.1.4. Users must provide a valid email address.
    - 1.1.5. Users must provide a valid handphone number.
    - 1.1.6. Users must select their occupation from a drop-down menu.
    - 1.1.7. Users may opt to provide the organisation that they are affiliated with.
      - 1.1.7.1. The name of the organisation must not exceed 80 characters.
    - 1.1.8. Users may opt to choose multiple categories of events that they are interested in.
  - 1.2. Users must be able to modify their account information.
    - 1.2.1. Users can change their username.
      - 1.2.1.1. The new username must be different from the old username.
      - 1.2.1.2. The new username must be unique.
      - 1.2.1.3. The new username must contain at least 8 characters and no more than 16 characters.
    - 1.2.2. Users can set a new password after keying in the old password.
      - 1.2.2.1. The new password must be different from the old password.
      - 1.2.2.2. The new password must have at least 8 characters that contain at least one uppercase letter, one lowercase letter and one special character(\*, @, %, !).
      - 1.2.2.3. The new password must be confirmed by entering the same new password twice.
    - 1.2.3. Users can change their email address.
    - 1.2.4. Users can change their handphone number.
    - 1.2.5. Users can change their occupation.
    - 1.2.6. Users can change their organisation affiliation.
    - 1.2.7. Users can add new categories of events or drop chosen categories.
2. Event organizers shall be able to manage events that they initiate.
  - 2.1. Event organizers can create an event
    - 2.1.1. The event information must include a title
      - 2.1.1.1. The title must be text of at least one character and less than 128 characters.
    - 2.1.2. The event information must include the event date and time.
      - 2.1.2.1. User enters the event date by selecting from the drop-down menu
      - 2.1.2.2. User enters the event time by selecting from the drop-down menu
    - 2.1.3. The event information must include the event location.

- 2.1.3.1. The event location should be include room number, level number, building number, street number, street name and postal code
  - 2.1.4. The event information must include the registration deadline.
    - 2.1.4.1. User enters the registration deadline by selecting from the drop-down menu
  - 2.1.5. The event information must include the organiser's information.
    - 2.1.5.1. Organiser's information must include the organiser's name.
      - 2.1.5.1.1. The organiser's name should be text of at least 1 characters and no more than 128 characters
    - 2.1.5.2. Organiser's information must include the organiser's contact number or email address.
      - 2.1.5.2.1. The organiser's contact number should only include numerical numbers.
    - 2.1.5.3. Organizer's information may include other information listed in the organiser's profile.
  - 2.1.6. The event information may include the maximum number of registrations allowed.
    - 2.1.6.1. Event organizers would receive a notification when registration has reached the maximum.
  - 2.1.7. The event information may include a description of the event.
    - 2.1.7.1. The length of description should be at least 20 characters and must not exceed 1000 characters.
- 2.2. Event organizers can update event information
  - 2.2.1. Registered participants will receive notifications of the updated information in 1 second.
  - 2.2.2. For each event, the event organizer may update the event information for up to 3 times.
  - 2.2.3. Event organizers cannot modify the event information when there are fewer than 48 hours left before the commencement of the event.
  - 2.2.4. Event organizers can close registration before the registration deadline.
    - 2.2.4.1. A "Due to overwhelming response, the event registration has closed" will be displayed at the top of the event information section.
- 2.3. Users can browse vacant venues.
  - 2.3.1. Users can choose to sort vacant venues by price, or rating for the event venues.
  - 2.3.2. Users can search for venues based on capacity of the venue
  - 2.3.3. Users can search for venues based on the location of the venue
  - 2.3.4. Users can filter event venues by setting a price range.
  - 2.3.5. Users can filter event venues by setting a distance range from his/her current location.
  - 2.3.6. Users can filter event venues by setting a venue rating range.
- 2.4. Users can rent vacant venues.
  - 2.4.1. The venue would be marked as "Rented" after the event organizers finish the rental procedure and reach consensus with the property owner

- 2.4.2. The rental procedure requires the organizer to key in rental details
  - 2.4.2.1. The event organizer needs to key in his/her real name as shown in passport
  - 2.4.2.2. The event organizer needs to key in his/her NRIC number as shown in the NRIC if they are Singaporean
  - 2.4.2.3. The event organizer needs to key in his/her FIN number if they are non-Singaporean but holding a valid long-term pass
- 2.4.3. The event organizer must specify the time period for renting the property
- 2.5. Users can rate the revenue they rented
  - 2.5.1. The rate should be an integer number between 1 and 5, both inclusive.
  - 2.5.2. The event organizer may also leave a short review, which should be at least 10 characters and fewer than 200 characters.
- 2.6. Event organizers can check event related data
  - 2.6.1. Event organizers can check information of registered individuals
    - 2.6.1.1. Event organizers can check a participant's username and contact number
    - 2.6.1.2. Event organizers can check a participant's attendance status
  - 2.6.2. Event organizers can trace the total number of registered participants in real-time
  - 2.6.3. Event organizers can check the attendance rate of an event
    - 2.6.3.1. The attendance rate should be displayed in the form of percentage with 2 decimal points.
- 3. All users shall be able to interact with published events as participants.
  - 3.1. Users shall be able to see a display of events.
    - 3.1.1. Users shall be able to see a list of recommended events based on their interests and locations.
      - 3.1.1.1. specify how to recommend....
    - 3.1.2. Users shall be able to see a list of upcoming events that they have registered.
  - 3.2. Users shall be able to search for events.
    - 3.2.1. Users can filter events by name, category, time, location and event organizers.
    - 3.2.2. Users can sort searching results according to time and distance.
    - 3.2.3. Users can see a map which displays the searching results.
      - 3.2.3.1. specify the map...
  - 3.3. Users shall be able to check event details
  - 3.4. Users can add an event into a list called saved events.
  - 3.5. Users can register for an event.
    - 3.5.1. Users need to key in his/her real name as shown in passport
    - 3.5.2. Users need to key in his/her NRIC number as shown in the NRIC if they are Singaporean
    - 3.5.3. Users need to key in his/her passport number if they are foreigners

- 3.6. Users can cancel registrations.
  - 3.6.1. Users cannot cancel a registration if there are only 48 hours left before the commencement of the event.
  - 3.6.2. Users must specify reasons for the cancelation.
- 3.7. Users shall be able to manage the list of saved events,
  - 3.7.1. Users can register for an event in the list.
  - 3.7.2. Users can remove an event from the list.
- 3.8. Users can get notified by the upcoming events registered or saved.
- 3.9. Users shall be able to manage the list of followed event organizers,
  - 3.9.1. Users can look at the profile of an event organizer.
  - 3.9.2. Users can look at the events organised by an event organizer.
  - 3.9.3. Users can cancel the follow of an event organizer.
- 3.10. Users can take attendance when they participate in an event.
- 3.11. Users shall be able to see the list of events that he has already participated,
  - 3.11.1. Users can rate an event and write reviews.
- 4. A user may choose to lease their property for an event.
  - 4.1. Users can list their available properties for renting.
    - 4.1.1. Users must specify the location of each property.
      - 4.1.1.1. The property location should include room number, level number, building number, street number, street name and postal code.
    - 4.1.2. Users must specify the capacity of each property.
    - 4.1.3. Users must provide the time period for leasing each property.
    - 4.1.4. Users must provide the rental fee of each property.
  - 4.2. Users shall be contacted by interested users who are organising events.
    - 4.2.1. Users who are organising events would be able to see all available properties.
    - 4.2.2. Users who are organising events must specify their location of interest.
    - 4.2.3. Users who are organising events must specify the capacity of their choice.
    - 4.2.4. Users who are organising events must specify the time period for renting the property.
    - 4.2.5. Users who are organising events shall mention their budget.
    - 4.2.6. Users who are organising events shall then choose the property that matches their expectations.
      - 4.2.6.1. Users who are organising events would be given the name and contact number of the owner.
  - 4.3. Users must be able to make changes to the provided details of their property.
    - 4.3.1. A new property can be added.
    - 4.3.2. A property's availability can be changed between "vacant" and "booked".
    - 4.3.3. Details regarding the venue can be changed.

- 4.3.4 Details regarding the cost of the property can be changed.
- 4.3.5 The time period for leasing the property can be changed.

### Non-Functional Requirements

Performance	The App must respond to users' actions within 2 seconds. (can you reduce it even further hahah cause i feel 2 seconds is long )
Portability	The App should support both Android and IOS platforms.
Usability	The App should provide guidance for new users.
Privacy	User's profile cannot be accessed by other users.