CZ2006 Lab Deliverable 1 - Ace It Group

Document content:

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)	1. Login and sign up; 2. Create and edit my profile; 3. Browse events published
Event organizer (can be an individual or an organisation)	4. Create events; 5. Rent event venues; 6. Give ratings to the rented venues; 7. Check information of event participants; 8. Track attendance rate and people who attended; 9. Update event details and notify participants of changes (date, venue or time…)
Event participant (attendees for an event)	10. Search/filter events according to category, time and location; 11. Follow an event organizer; 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 13. Check in at an event; (register or show you're interested) 14. Rate an event and write reviews; 15. Get notified about the upcoming registered events;
Property Owners (those who rent out spaces for hosting events)	16. Create property listing; 17. Provide event venues for rental at a certain rate and capacity; 18. Update available time for the event venues;

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 words and fewer than 200 words.

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.