System and Unit Test Report
Event Hub
3/8/2022

System Test Scenarios:

Sprint 1:
A. User Story 1: As a user, I want to be able to create an account so that I can use the platform.
B. User Story 2: As a user, I want to be able to sign in so I can use the app and store my information.
C. User Story 3: As someone looking for events, I want to be able to input a location so that I can see events in a specific area.

Scenario A:

1. Start the EventHub app and tap “Sign Up” and type
   a. First name = “Richard”
   b. Last name = “Jullig”
   c. Email = “rjullig@ucsc.edu”
   d. Password = “M0d31V13wC0n7r0113r”
   e. Press “Sign up”

Scenario for B and C:

1. Start EventHub app, type
   a. Email = “rjullig@ucsc.edu”
   b. Password = “M0d31V13wC0n7r0113r”
   c. Press “Login”
2. Allow location permissions and press the top search bar, type “Santa Cruz, CA” and press search
3. Richard should be able to see all events around Santa Cruz, CA

Sprint 2:
A. User Story 1: As someone looking for events, I want to have an event feed upon opening the app so that I can browse events in my area.
B. User Story 2: As someone looking for events, I want to be able to expand events in my feed to read more about the event details.
C. User Story 3: As someone looking for events, I want to be able to mark an event as “attending” so that I can show the host that I am attending.

D. As someone looking for events, I want to be able to search for keywords so that I can find the events that I am looking for.

Scenario:

1. Start the EventHub app and login.
2. Once logged in, the user should be able to see a feed of events nearest to them.
3. User taps on an event that piques their interest and brings them the event’s details page.

4. User reads the details and clicks “Attend Event” on the bottom of the event details page and the host receives a notification that someone is attending the event.
5. User presses the back button to go back to the event feed.
6. User clicks the search bar and types “ocean.”
7. The user should be able to see a filtered feed with only the events near them with the word “ocean” in either the event title or description.

Sprint 3:

A. User Story 1: As an event host, I want to be able to create events so that I can share them with other people using the app.
B. User Story 2: As someone attending events, I want to be able to see a list of the events that I am attending so that I can keep track of them.
C. User Story 3: As an event host, I want to be able to see a list of the events that I have created so that I can keep track of them.
D. User Story 4: As an event host, I want to be able to edit and delete events so that I can keep my created events up to date
E. User Story 5: As someone looking for events, I want to be able to see event addresses and locations on a map so that I can visualize which events are near me.

Scenario A, C and D:

1. Start the EventHub app and login.
2. Press the “Create” button on the bottom and type
    a. Title = “CSE 115A Final Presentations”
    b. Description = “See your fellow peers’ cool app projects and presentations!”
    c. From = “3/9/22” at “8:00 AM”
    d. To = “3/9/22” at “9:05 AM”
    e. Location = “J Baskin Engineering 152, Santa Cruz, CA”
    f. Attendee Limit = 200
    g. Adds a photo
    h. Press “Create Event”
    i. Event is now available for all users to search
3. Press “Back” and then press “My Events” then “Hosting”
4. User can see all the events they are hosting
5. User presses the pencil icon on the “CSE 115A Final Presentations” event and types
    a. Attendee Limit = 50
    b. Press “Save”
    c. Event is now updated and attendees get notified of the change(s)
6. User presses “Edit” and presses “Delete Event”
7. Event is now deleted and attendees get notified of event cancellation.

Scenario B and E:

1. Start the EventHub app and login.
2. User presses “My Events” and sees all the events they are attending.
3. User presses on an event and presses the address on the page.
4. The user can see the location of the event and other events on the map.

Sprint 4:

A. User Story 1: As a user, I want to be able to edit my profile so that I can change the way my name and profile pic appear to others.

B. User Story 2: As a UCSC student, I want to see real events happening at UCSC so I can find events in the area that interest me.

C. User Story 3: (Touch-ups from previous sprint) As someone looking for events, I want to be able to expand events in my feed to read more about the event details.

D. User Story 4: (Touch-ups from previous sprint) As someone looking for events, I want to be able to input a location so that I can see events in a specific area.

Scenario A, C, D:

1. Start the EventHub app and login.
2. Press “Settings” and “Edit Profile” and enter
    a. First name = “Dr. Shrimp”
    b. Last name = “Puerto Rico”
    c. User chooses a profile picture from their camera roll or takes a photo after enabling camera permissions.
    d. Press “Save”
3. The user should be able to see their updated profile screen.
4. User presses “My Events” and clicks on an event.
5. The user can see the details of the host and can see a small map with the event location.
6. User presses “Back” then “Feed” and taps on the search button and enters “San Juan, Puerto Rico” on the search bar that appears below.
7. The user can see all events near San Juan, Puerto Rico.

Scenario B:

1. Start the EventHub app and login.
2. The user taps on the search button and enters “UCSC” and should see events pertaining to UCSC.

Unit Tests:

1. **Feed search**
    - a. **Testing the feed search using various strings**
    - b. **Should return no events if invalid or searched event(s) if valid**

Equivalence Class	Description	Possible Values
EC_{empty}	No Input	“”
EC_{string}	Any Input	“5”, “Santa Cruz”, “1337”, “$*%&”

2. **Event Creation / Event Edit**
    - a. **Testing for valid event inputs such as future dates and non-profane using combinations of the below equivalence classes**
    - b. **If invalid then sends a user an alert, otherwise creates or edits an event**

Equivalence Class	Description	Possible Values
$EC_{vLocation}$	Valid Locations	“UCSC”, “Los Pericos Santa Cruz”
$EC_{iLocation}$	Invalid Locations	“1”, “”, “Gotham City”, “!@#&*(“
EC_{vDate}	Valid Start and End Dates	“3/20/2022 9AM to 3/20/2022 5PM”, “5/1/2023 12AM to 5/1/2024 11:59PM”
EC_{iDate}	Invalid Start and End Dates	“2/29/2022 3PM to 2/29/2022 4PM”, “3/7/2022 12PM to 3/7/2022 11AM”
EC_{vName}	Valid Event Names	“Rush Hour”, “123”, “$%!@#”, “poop”
EC_{iName}	Invalid Event Names	Any profanity, “drugs”, “Pneumonoultramicroscopicsilicovolcanoconiosis”, > 30 characters, “”
EC_{vDesc}	Valid Description	“Rush hour in Santa Cruz, it may be a long 2 hour wait”, “_Nathan”, “”
EC_{iDesc}	Invalid Description	Any profanity, > 300 characters
$EC_{vAttendees}$	Valid Attendee Limit	5, 129, 50000
$EC_{iAttendees}$	Invalid Attendee Limit	< 2 or > 100000

3. **Sign-up**
    a. **Testing for valid sign-up fields including first name, last name, email, and password**
    b. **If invalid then sends the user an alert, otherwise creates an account for the user and logs them in**

Equivalence Class	Description	Possible Values
EC_{vName}	Valid first and last names	"Jackson", "Jullig", "Smith-Hawkins"
EC_{iName}	Invalid first and last names	"", "Jullig 2", "!@#", > 20 characters, any profanity
EC_{vEmail}	Valid email address	"rachel@ready.net", (any real email address that isn't registered)
EC_{iEmail}	Invalid email address	"", "h", (any email address that is already registered)
$EC_{vPassword}$	Valid password	"hellothere89", "" > 6 characters
$EC_{iPassword}$	Invalid password	"", "1234", < 6 characters

4. **Log-in**
    a. **Testing for valid log-in fields including email and password**
    b. **If invalid then sends the user an alert telling them that the email/password is invalid, otherwise logs the user into their account**

Equivalence Class	Description	Possible Values
EC_{vEmail}	Valid email address	"rskrenta@ucsc.edu"
EC_{iEmail}	Invalid email address	"", "h", (any email address that isn't yet registered)
$EC_{vPassword}$	Valid password	(any password that matches the email address)
$EC_{iPassword}$	Invalid password	"", (any password that doesn't match the email address)

5. **Location search**
    a. **Testing for valid input into the location search bar**
    b. **If invalid then sends the user an alert, otherwise sets the user’s location to the inputted location and updated the event feed and map accordingly**

Equivalence Class	**Description**	**Possible Values**
$EC_{vLocation}$	**Valid locations**	**“Santa Cruz, CA”, “Kiev, Ukraine”, “Portland, Maine”**
$EC_{iLocation}$	**Invalid locations**	**“$!@#%”, “f”, “10”, 🧢, any non-existent location**

6. **Edit Profile**
    a. **Testing for valid profile fields including first name and last name**
    b. **If invalid then sends user an alert, otherwise updates the user’s profile with the inputted first and last names**

Equivalence Class	**Description**	**Possible Values**
EC_{vName}	**Valid first and last names**	**“Jackson”, “Jullig”, “Smith-Hawkins”**
EC_{iName}	**Invalid first and last names**	**“”, “Jullig 2”, “!@#”, > 20 characters, any profanity**