

### TEST-1 - Register an account

Description	The user can create an account as a student or an organizer by inputting their email address and a password.
Actor	The user of the app.
User Goal	The user wants to make an account so that their data can be saved and accessed.
Desired Outcome	The user can access their account with their email address and a password.
Dependent Test Cases	None
Requirements	SR-1, SR-2
Pre-Conditions	The user has the app but has not registered for an account. The user is on the homepage.
Post-Conditions	The user's account data is stored in a database.
Trigger	The user wants to personalize their events and protect their private data.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall click the "Register" button on the homepage of the app.</li> <li>2. The system shall display the registration form.</li> <li>3. The user shall enter the email address "tester.teameight@gmail.com", the username "teameighttest", and the password "testpassword"</li> <li>4. The user shall click the "Complete Registration" button.</li> <li>5. The system shall validate the input to the registration form.</li> <li>6. The system shall create an account using the inputted email and password.</li> <li>7. The system shall direct the user back to the login page.</li> </ol> <p><b>Result:</b> This tests passes when the login button is displayed instead of the registration button.</p>
Alternative Workflow	<p>Invalid email:</p> <ol style="list-style-type: none"> <li>3. The user shall enter the invalid email address "tester", the user name "teameighttest", and the password "testpassword"</li> <li>4. The user shall click the "Complete Registration" button.</li> <li>5. The system shall check if the input to the form is valid.</li> <li>6. The system shall display an error message indicating an incorrect email.</li> </ol>
Priority	1
Status	NS

## TEST-2 - Log into your account

Description	The user can log into their account to access their saved data.
Actor	The student or organizer using the app.
User Goal	The student wants to access their saved events data and view their calendar. The organizer wants to access their created events data and create more events.
Desired Outcome	The user successfully accesses their account and the functionalities offered by having a student or organizer account.
Dependent Test Cases	TEST-1
Requirements	SR-1, SR-2
Pre-Conditions	The user has an account and is on the homepage.
Post-Conditions	The user is logged in and has access to their private data and account functionalities.
Trigger	The student wants to view their saved events or wants to save more events. The organizer wants to view their created events or wants to create more events.
Workflow	<ol style="list-style-type: none"> <li>1. The frontend shall render the homepage described in homepage.xml</li> <li>2. The user shall click the "Account" tab.</li> <li>3. The frontend shall render the login form described in login.xml, and a "Login" button to log in to your account.</li> <li>4. The user shall enter the email address "tester.teameight@gmail.com", and the password "testpassword"</li> <li>5. The backend shall validate the form, and shall apply the user's settings to the app view.</li> <li>6. The frontend shall direct the user to their account page.</li> </ol> <p><b>Result:</b> This test passes when the account tab no longer displays the login form, and instead displays the user's account information.</p>
Alternative Workflow	None
Priority	1
Status	NS

### TEST-3 - Log out of your account

Description	The user can log out of their account.
Actor	The student or organizer using the app.
User Goal	The user wants to log out of their account for security purposes.
Desired Outcome	The user is able to successfully log out, and their saved data is properly saved and accessible in a future time.
Dependent Test Cases	TEST-1, TEST-2
Requirements	SR-3
Pre-Conditions	The user is logged into an account and wishes to log out.
Post-Conditions	The app on the user's device will now show the login screen on app-startup.
Trigger	The user does not want their data to be accessed by anyone else.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall click on the "Account".</li> <li>2. The system shall display the "Account" tab.</li> <li>3. The user shall select the logout button.</li> <li>4. The system, shall remove the user-specific settings which were enabled.</li> <li>5. The system shall change the "Account" tab to display a login button.</li> </ol> <p><b>Result:</b> The test passes when the login button is displayed on the "Account" tab.</p>
Alternative Workflow	None
Priority	1
Status	NS

#### TEST-4 - Access your account settings

Description	The user or organizer will be able to access their account settings.
Actor	The user or organizer.
User Goal	The user wishes to access their account settings in order to view or change them.
Desired Outcome	The user or organizer successfully accessed their settings.
Dependent Test Cases	TEST-1, TEST-2
Requirements	SR-5
Pre-Conditions	The user or organizer has an account for the app with valid log in, and is logged in.
Post-Conditions	The user or organizers changed settings will be stored if they choose to do so.
Trigger	The trigger is either the user or organizer wants to change some aspect of their account.
Workflow	<ol style="list-style-type: none"> <li>1. The frontend shall display the homepage described in homepage.xml.</li> <li>2. The user shall click on the "Account" tab.</li> <li>3. The frontend shall display all the user-specific settings that the user can change.</li> <li>4. The user shall change their settings to filter by food-related events by default.</li> <li>5. The user shall click the "apply" button</li> <li>6. The Firebase backend shall make changes to the homepage to display events with the "food" tag, reflecting the changed settings.</li> <li>7. The frontend shall render the account page with the changed settings.</li> </ol> <p><b>Result:</b> This test passes when the homepage displays all events with the "food" tag by default (when the homepage is first opened).</p>
Alternative Workflow	None
Priority	2
Status	NS

### TEST-5 - Reset password

Description	The user or organizer will be able to change their password.
Actor	The user and organizer.
User Goal	The user wishes to change their password after they have originally created the account.
Desired Outcome	The user successfully changed their password.
Dependent Test Cases	TEST-1, TEST-2, TEST-4
Requirements	SR-6
Pre-Conditions	The user or organizer has an account for the app.
Post-Conditions	The user or organizers password will be updated in the database.
Trigger	The trigger is either the user or organizer believes that their password is compromised or they have forgotten their password and wish to change it.
Workflow	<ol style="list-style-type: none"> <li>1. The system shall render the login form, below which is option to change password if it has been forgotten.</li> <li>2. The user shall click the text "Forgot Password".</li> <li>3. The system will display a button that says "Send Password Reset Code"..</li> <li>4. The user shall click the button.</li> <li>5. The system shall send the password reset code to the user email.</li> <li>6. The user shall input the correct code in the corresponding box.</li> <li>7. The system shall show two text boxes to enter and confirm a new password.</li> <li>8. The user shall enter their new password in both of the available text boxes, and click "Enter".</li> <li>9. The system shall display the login page.</li> </ol> <p><b>Result:</b> This test passes when the user is able to use their new password to log in with their email.</p>
Alternative Workflow	<p>Incorrect secret code entered more than 4 times</p> <ol style="list-style-type: none"> <li>6. The user shall input incorrect secret code.</li> <li>7. The display shall display an error message saying "Incorrect secret code"..</li> <li>8. Steps 6 and 7 are repeated 5 times (if the correct secret code is</li> </ol>

	<p>inputted, the system returns to normal workflow).</p> <p>9. The system shall disable the password change page.</p> <p>10. The system shall display an error message and a countdown to when the user can retry.</p> <p>11. After 30 minutes, the system shall display the password change page as normal.</p> <p><b>Result:</b> This test passes when the countdown is over and the user can input their secret code.</p>
Priority	2
Status	NS

## TEST-6 - Show all events

Description	The user sees a list of all the events.
Actor	The user of the app.
User Goal	The user wants to view all events on the homepage with no filters.
Desired Outcome	The user sees list of events on the homepage.
Dependent Test Cases	None
Requirements	SR-7
Pre-Conditions	The user has the app.
Post-Conditions	The app shows the homepage with all events.
Trigger	The user wants to see all events.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall start the app.</li> <li>2. The backend shall gather a list of all currently available events gathered from the Firebase database.</li> <li>3. The frontend shall use this list to render the homepage described in homepage.xml.</li> </ol> <p><b>Result:</b> This test passes when the events shown match the events in the Firebase database</p>
Alternative Workflow	None
Priority	1
Status	NS

### TEST-7 View calendar

Description	The user sees the calendar page.
Actor	The student using the app.
User Goal	The user wants to view all their saved events on their calendar.
Desired Outcome	The user sees the events on their calendar.
Dependent Use Cases	TEST-1, TEST-2
Requirements	SR-8
Pre-Conditions	The user is on the homepage.
Post-Conditions	The app shows the calendar with all saved events.
Trigger	The user wants to see their calendar with their events saved.
Workflow	<p>The user has an account:</p> <ol style="list-style-type: none"> <li>1. The system shall display the homepage.</li> <li>2. The user shall click on the “Calendar” tab.</li> <li>3. The system shall get a list of events saved by the user from the database.</li> <li>4. The system shall display a calendar displaying those events.</li> </ol> <p><b>Result:</b> This test passes when the page is switched to the “Calendar” tab, and the system displays the list of saved events from the Firebase.</p>
Alternative Workflow	<p>The user does not have an account:</p> <ol style="list-style-type: none"> <li>1. The system shall display the homepage..</li> <li>2. The user shall click on the “Calendar” tab</li> <li>3. The system shall display a blank calendar with a message that says “Sign in or Register to save events”.</li> </ol> <p><b>Result:</b> This test passes when the system shows the blank calendar and corresponding login message that says “Sign in or Register to save events”.</p>
Priority	1
Status	NS



### TEST-8 - Filter the saved events

Description	The user can use a filter menu to choose specific types of events they would like to see from their saved events.
Actor	The student using the app.
User Goal	The user wants to view certain saved events that fall under a category.
Desired Outcome	The user sees saved events based on their filter choices on the calendar.
Dependent Test Cases	TEST-1, TEST-2, TEST-7
Requirements	SR-9
Pre-Conditions	The user has logged in and is on the calendar page.
Post-Conditions	The app shows a calendar with the filtered saved events.
Trigger	The user only wants to see certain saved events.
Workflow	<ol style="list-style-type: none"> <li>1. The frontend shall render the calendar described in calendar.xml, with one saved event in each category.</li> <li>2. The user shall click on the "Filter" button.</li> <li>3. The frontend shall display a menu of options for the filter.</li> <li>4. The user shall select the "food" option.</li> <li>5. The user shall click "Apply".</li> <li>6. The backend shall use the selected options to gather a list of food-related events from the user's saved events in the Firebase database.</li> <li>7. The frontend shall display the calendar with the expected food-related event.</li> </ol> <p><b>Result:</b> This test passes when the calendar displays the expected food event, and no other events.</p>
Alternative Workflow	None
Priority	3
Status	NS

## TEST-9 - View an Event

Description	The user can view an event either from the homepage, the calendar, or the "Calendar" tab.
Actor	The user of the app.
User Goal	The user wants to see information about an event.
Desired Outcome	The user sees all the details of an event.
Dependent Use Cases	None
Requirements	SR-10
Pre-Conditions	The user is on the homepage. The registered user is on the calendar page.
Post-Conditions	The user is on the event's page.
Trigger	The user wants to learn more about an event.
Workflow	<p>The user is on the homepage:</p> <ol style="list-style-type: none"> <li>1. The user shall click on an event called "Career Fair".</li> <li>2. The system shall gather that event's data from the Firebase database.</li> <li>3. The system shall display the corresponding event page.</li> </ol> <p><b>Result:</b> The test passes when the details of an event are displayed on the screen, containing the time: 1:00pm, location: PC Ballroom East, and description "Career Fair".</p>
Alternative Workflow	<p>The registered user is on the calendar page:</p> <ol style="list-style-type: none"> <li>1. The user shall click on an event called "Career Fair".</li> <li>2. The system shall gather that event's data from the Firebase database.</li> <li>3. The system shall display the corresponding event page.</li> </ol> <p><b>Result:</b> The test passes when the details of an event are displayed on the screen, containing the time: 1:00pm, location: PC Ballroom East, and description "Career Fair".</p>
Priority	1
Status	NS

## TEST-10 - Create an Event

Description	The user can create an event.
Actor	The organizer using the app.
User Goal	The user wants to create an event to be viewed by users.
Desired Outcome	The user successfully created their event and other users can view it.
Dependent Test Cases	TEST-1, TEST-2, TEST-4
Requirements	SR-11
Pre-Conditions	The user is on the homepage.
Post-Conditions	The event can be viewed by users.
Trigger	The user wants to attract people to their event.
Workflow	<ol style="list-style-type: none"> <li>1. The frontend shall render the homepage described in homepage.xml.</li> <li>2. The user shall click on the “Calendar” tab.</li> <li>3. The frontend shall render the “Calendar” page described in calendar.xml.</li> <li>4. The user shall click the “Create Event” button.</li> <li>5. The frontend shall render the “Create Event” page described in createEvent.xml.</li> <li>6. The user shall enter event information in the designated text fields: name: testEvent, description: this is a test description, date: 4/20/2019, time: 4:20 pm, location: UCSD Price Center</li> <li>7. The user shall click the “Post Event” button.</li> <li>8. The backend shall save the event to the user’s account and store its details in the Firebase database.</li> <li>9. The frontend shall render the created event’s page.</li> </ol> <p><b>Result:</b> This test passes when the event is rendered with the corresponding information displayed, and when all the information is correctly contained in the database.</p>
Alternative Workflow	None
Priority	1
Status	NS

### TEST-11 - Save an event

Description	The user can save events to view in the future in their “Calendar” tab.
Actor	The student using the app.
User Goal	The user wants to save an event to be easily accessible in the future.
Desired Outcome	The user can view an event they have saved in the “Calendar” tab.
Dependent Test Cases	TEST-1, TEST-2, TEST-9
Requirements	SR-12
Pre-Conditions	The user has logged in to a student account and is viewing an event.
Post-Conditions	The event is saved in the user’s “Calendar” tab.
Trigger	The user is interested in an event and wants to access it in the future.
Workflow	<ol style="list-style-type: none"> <li>1. The system shall render the event’s page.</li> <li>2. The user shall click the “Save” button.</li> <li>3. The system shall save the event to the user’s account in the Firebase database.</li> <li>4. The system shall change the “Save” button into an “X” button.</li> </ol> <p><b>Result:</b> This test passes when an “X” button is displayed next to the event, and the event can be found in the users “Calendar” tab.</p>
Alternative Workflow	None
Priority	2
Status	NS

## TEST-12 - Respond to an event

Description	The user can show that they are going to an event or are interested in an event.
Actor	The student using the app.
User Goal	The user wants to express that they are going to or are interested in an event.
Desired Outcome	The user successfully indicates that they are going to or are interested in an event.
Dependent Test Cases	TEST-1, TEST-2, TEST-9, TEST-11
Requirements	SR-13, SR-14
Pre-Conditions	The user has logged in to a student account and is viewing the test event created in TEST-10.
Post-Conditions	The app increments the number of people going to or the number of people interested in an event and the name of the user is added to the corresponding list of people “Going” or “Interested” in an event.
Trigger	The user wants to go to or is interested in an event.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall click the “Going” button.</li> <li>2. The backend shall update the number of people going to the event.</li> <li>3. The frontend shall render the number of people going to the event.</li> <li>4. The backend shall update the list of popular events.</li> <li>5. The backend shall save the event to the user’s account in the Firebase database.</li> <li>6. The frontend shall change the “Save” button into an “X” button.</li> </ol> <p><b>Result:</b> This test passes when the number of people going to the event is displayed as “1”, when the test event is displayed before events with 0 expected attendees, and when the user’s account contains the test event.</p>
Alternative Workflow	<p>The user chooses to express interest:</p> <ol style="list-style-type: none"> <li>1. The user shall click the “Interested” button.</li> <li>2. The backend shall update the number of people interested in the event.</li> <li>3. The frontend shall render the number of people interested in the event.</li> <li>4. The backend shall update the list of popular events.</li> <li>5. The backend shall save the event to the user’s account in the Firebase</li> </ol>

	<p>database.</p> <p>6. The frontend shall change the “Save” button into an “X” button.</p> <p><b>Result:</b> This test passes when the number of people interested in the event is displayed as “1”, when the test event is displayed before events with 0 expected attendees, and when the user’s account contains the test event.</p>
Priority	3
Status	NS

TEST-13 - Share an event

Description	The user can share an event via a link to the event page.
Actor	The user of the app.
User Goal	The user wants to share an event with another person.
Desired Outcome	The user successfully shares the event with another person and the other person views the event.
Dependent Test Cases	TEST-9
Requirements	SR-15
Pre-Conditions	The user is viewing an event.
Post-Conditions	The app shows a link to the user and the user copies the link.
Trigger	The user wants another person to see an event.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall click the “Share” button on the event “Career Fair”.</li> <li>2. The system shall display a pop-up message with the link to the event page.</li> <li>3. The user shall click a button to copy the link to the event.</li> </ol> <p><b>Result:</b> This test passes when the user has the link to the event “Career Fair” copied to their clipboard on their phone.</p>
Alternative Workflow	None
Priority	3
Status	NS

### TEST-14 - Delete an event

Description	The user can delete events they have created.
Actor	The organizer using the app.
User Goal	The user wants to delete an event from further viewing.
Desired Outcome	The event is successfully deleted.
Dependent Test Cases	TEST-1, TEST-2, TEST-9
Requirements	SR-16
Pre-Conditions	The user has logged in to an organizer account and is viewing the test event from TEST-10 which they created.
Post-Conditions	The specified event is deleted and removed from the calendar and from the “Calendar” tab of any users that have saved, are going to, or expressed interest in the event.
Trigger	The user no longer wishes to host an event.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall click the “Delete Event” button.</li> <li>2. The frontend shall prompt the user with an “Are you sure?” message and a “Yes” and “No” button.</li> <li>3. The user shall click the “Yes” button.</li> <li>4. The backend shall delete the event page from the Firebase database and from any user’s account.</li> <li>5. The frontend shall render the homepage described in homepage.xml.</li> </ol> <p><b>Result:</b> This test passes when the test event is no longer shown in the database.</p>
Alternative Workflow	None
Priority	1
Status	NS



### TEST-15 - Unsave an event

Description	The user can remove an event from their "Calendar" tab.
Actor	The student using the app.
User Goal	The user wants to remove a previously saved event from their "Calendar" tab.
Desired Outcome	The user no longer sees a previously saved event in their "Calendar" tab.
Dependent Test Cases	TEST-1, TEST-2, TEST-9
Requirements	SR-17
Pre-Conditions	The user has logged in to a student account and is viewing an event they wish to unsave.
Post-Conditions	The event is removed from the user's "Calendar" tab.
Trigger	The user is no longer concerned with or interested in a specific event.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall click the "X" button.</li> <li>2. The system shall delete the event from the user's account.</li> <li>3. The system shall change the "X" button to a "Save" button.</li> </ol> <p><b>Result:</b> This test passes when the event no longer appears in the user's calendar, and any display of the event features a "Save" button instead of an "X".</p>
Alternative Workflow	<p>The user has indicated they are interested in an event:</p> <ol style="list-style-type: none"> <li>4. The backend shall decrement the number of people interested to an event.</li> <li>5. The backend shall update the list of popular events.</li> </ol> <p><b>Result:</b> The event details will display the number of people interested as being 1 less than it was previously.</p>
Priority	1
Status	NS

### TEST-16 - View organizer profile

Description	The user can view the profile of the organizer who created the event.
Actor	The user of the app.
User Goal	The user can choose to view the organizer who posted the event to get more information about the organization.
Desired Outcome	The user opens up a page to the organizer's profile.
Dependent Test Cases	TEST-1, TEST-9, TEST-10
Requirements	SR-18
Pre-Conditions	The user is on the test event page from TEST-10 created by the test account from TEST-1.
Post-Conditions	The user is directed to a page that shows the organizer's profile.
Trigger	The user wants to know more about the organizer of an event.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall view the test event.</li> <li>2. The frontend shall display an event in format of eventPage.xml.</li> <li>3. The user shall click on the test organizer's profile.</li> <li>4. The backend shall retrieve the organizer's data from Firebase.</li> <li>5. The frontend shall display the organizer's profile page.</li> </ol> <p><b>Result:</b> This test passes when the test organizer's profile is displayed with the correct account information corresponding to the data in the database.</p>
Alternative Workflow	None
Priority	2
Status	NS

## TEST-17 - Keyword Search

Description	The user can search for an event/events using a keyword or set of keywords.
Actor	The user of the app.
User Goal	The user wants to find information about a specific event or a specific set of events.
Desired Outcome	The user is shown a list of events pertaining to the keyword(s), with the most relevant at the top of the list, and the least relevant at the bottom.
Dependent Test Cases	TEST-9
Requirements	SR-19
Pre-Conditions	The user is on the homepage.
Post-Conditions	The user is shown a list of events related to the keywords they used, with the most relevant event at the top of the list, and the least relevant event at the bottom of the list.
Trigger	The user wants to quickly see an event, and knows words related to the event name or the event in general.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall type “test” into the search bar on the homepage.</li> <li>2. The user shall press the search button to start the search.</li> <li>3. The backend shall retrieve any related events from the Firebase.</li> <li>4. The system shall display a related event “test event” on the page.</li> </ol> <p><b>Result:</b> The test passes when the “test event” appears on the search page.</p>
Alternative Workflow	<p>No events are related to the keywords provided:</p> <ol style="list-style-type: none"> <li>4. The system shall display a message indicating that there are no events related to the keyword(s) provided.</li> </ol> <p><b>Result:</b> This test passes when the search page displays the message “No events found”.</p>
Priority	2
Status	NS

### TEST-18 - Preference-Based Filters

Description	The user can have certain types of events show and others be hidden by using a filter, where marking a tag would have the event type show, while unmarking the tag would hide the event type.
Actor	The user of the app.
User Goal	The user wants to show and hide certain types of events when browsing the listed events.
Desired Outcome	Given a display of events, events with the marked types are shown, while events with the unmarked types are not shown.
Dependent Test Cases	None
Requirements	SR-20
Pre-Conditions	The user sees all the events on display (no tags are unmarked by default)
Post-Conditions	The user sees only the events with the marked types, and after unmarking some event types, corresponding events are hidden from the user.
Trigger	The user wants to narrow down the types of events they see, as they are only interested in certain types of events.
Workflow	<ol style="list-style-type: none"> <li>1. The user shall press the filter button.</li> <li>2. The frontend shall display a popup checklist with keyword tags.</li> <li>3. The user shall uncheck boxes of all tags.</li> <li>4. The user shall check the "food" box.</li> <li>5. The user shall click "confirm".</li> <li>6. The backend shall update which tags are marked and unmarked.</li> <li>7. The backend will retrieve all events tagged with "food" from Firebase.</li> <li>8. The frontend shall display all events retrieved from Firebase.</li> </ol> <p><b>Result:</b> All events tagged with "food" will be displayed.</p>
Alternative Workflow	None
Priority	2
Status	NS