

Test Plan and Report

System Test Scenarios

- **Sprint 1, User Story 1:** As a user, I want to gain access to the site by logging in through Google.
 - Scenario: User Login(Pass/Fail)
 1. Start Slug Events app; click Sign in with Google; accept:
Authorize slug events to view your google account
 2. User should be authorized and be in /map page
- **Sprint 1, User Story 2:** As a user, I want to see a map of Santa Cruz so that I can choose where to put an event.
 - Scenario: User Login(Pass/Fail)
 1. Start Slug Events app; login;
 2. User should see Slug Events map
- **Sprint 2, User Story 1:** As a user, I want to create an event and have a marker on the map that shows the relevant information so that other users can come and are informed of it.
 - Scenario: Create Marker(Pass/Fail)
 1. Start Slug Events app; Login; click Create Event or click on empty spot on map; Fill out;
 - Event Name
 - Start date
 - End Date
 - Category
 - Event Description
 2. User should see verification message that event has been created, and a marker with their event on the map
- **Sprint 2, User Story 2:** As a user, I want to delete an event I created so that I can cancel it if necessary.
 - Scenario: Delete Marker(Pass/Fail)
 1. Start Slug Events app; Login; click on an event user owns; Click 'Delete Event';
 2. User should see verification message that event has been deleted. Should not see previous marker.
- **Sprint 2, User Story 3:** As a user, I want to RSVP to an event so that the host knows I am coming.
 - Scenario: Create RSVP(Pass/Fail)

1. Start Slug Events app; Login; click on any event; Click 'RSVP'; Click 'View RSVPs'
2. User should see previous RSVP button turn into 'Un-RSVP'. User should also see 'Event RSVPs' side bar with attendees of the event.

- **Sprint 2, User Story 4:** As a user, I want to edit events I have made so that I can fix mistakes.

- Scenario: Edit Marker(Pass/Fail)

1. Start Slug Events app; Login; click 'Edit Event'; Fill out;
Event Name
Start date
End Date
Category
Event Description
2. User should see verification message that event has been created, and a marker with their event on the map

- **Sprint 2, User Story 5:** As a user, I want to input an address for an event so that I can create an event faster.

- Scenario: Input Address(Pass/Fail)

1. Start Slug Events app; Login; click Create Event; Delete Address; Fill out; 'Event Address'
2. User should see autocomplete list of potential addresses. Marker should be placed at correct address after user clicks on correct address from autocomplete.

- **Sprint 3, User Story 1:** As a user, I want to filter the events by time/date or category so that I can view certain events that fit my schedule or interest me.

- Scenario: Filter date(Pass/Fail)

1. Start Slug Events app; Login; Change date above map;
2. User should see events on the map that are occurring during that time period. Assert that the date/time the user selected is within the 'Starts' and 'Ends' range.

- Scenario: Filter category(Pass/Fail)

1. Start Slug Events app; Login; Change category above map;
2. User should see events on the map with the same category as selected.

- **Sprint 3, User Story 2:** As an event organizer, I want to add a photo to my event, so that my attendees will know which place to look for.

- Scenario: Add photo(Pass/Fail)

1. Start Slug Events app; Login; click Create Event; Fill out;
Event Name
Start date
End Date

Event Description

Category

Event Banner

Click 'Create Event' button

2. User should see verification message that event has been created, and a marker with their event on the map. After clicking on the event the user should see the photo they inputted above the event information.

- **Sprint 3, User Story 3:** As a user, I want the option to sync events with my Google calendar and remind me, so that I will not miss them.
 - Scenario: Add to Google Calendar(Pass/Fail)
 1. Open separate tab with Google Calendar; Start Slug Events app; Login; click on any event; Click Add to Calendar; Go to Google Calendar tab
 2. User should see the previous 'Add to Calendar' button turn into 'Remove from Calendar'. Users should see the same event with relevant info added to their Google Calendar.
- **Sprint 3, User Story 4:** As a user, I want an option to use dark mode or light mode, so that I can adjust brightness to my liking.
 - Scenario: Dark/Light mode(Pass/Fail)
 1. Start Slug Events app; Login; click on 'Dark Mode' button
 2. User should see the previous entire application including map enter Dark Mode. Event, event creation, event update, and RSVP components should also be in dark mode.
- **Sprint 4, User Story 2:** As a user, I want to be able to open directions to an event in Google Maps so that I don't get lost.
 - Scenario: Address Directions (Pass/Fail)
 1. Start Slug Events app; Login; Click on any event; Click on address link
 2. User should see new tab open with the address to that event opened in Google Maps
- **Sprint 4, User Story 4:** As a user, I want a way to communicate with the host of the event so that I can reach out with any questions/concerns.
 - Scenario: Host Contact (Pass/Fail)
 1. Start Slug Events app; Login; Click on any event; Click on 'Contact Host' button next to host field.
 2. User should see mail app open with the sender filled out as the host and subject field filled out.

Unit Tests:

Our unit tests are located within the `/backend` directory of our project. They are made with Pytest and test the functionality of our Event class.

Functionality tests we cover:

- `test_event_to_dict`
- `test_event_creation`
- `test_event_update`
- `test_event_deletion`
- `test_rsvp_addition`
- `test_rsvp_removal`
- `test_get_rsups_list`
- `test_event_fetch_from_db`
- `test_invalid_data_types`