

Release Summary

Product Name: SlugEvents

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Key User Stories and Acceptance Criteria:

- As a student, I would like to be able to scroll through a list of events and choose the one I'm interested in (View Events)
 - Have card display of events displaying data scraped from Instagram posts
 - Event page is scrollable and events are clickable
- As a student, I would like to be able to comfortably read through different events (Filters)
 - Functionality to click on event card and view more information about event
 - UI is functional with mobile and computer view
- As a student, I would like to filter events through different colleges (Filter Events)
 - Have buttons on event page to show specific college events
 - Assign specific colors to event cards based on college
- As someone who's on campus, I would like to be able to have a map to visualize events on campus (Map Visualization)
 - Have a map to display the UCSC campus
 - Use data from Instagram posts to add markers for events
 - Add popup windows for events to give more information about it

Known Problems

- Major bugs
 - Unusual amount of reads to firebase when running app using Vercel (CI Pipeline)
 - scraper.py can be rate-limited by instagram, preventing scraping of posts and necessitating re-running the scraper at a later date
 - scraper.py sometimes uploads non-events to firestore as well as omits events from firestore, due to limited accuracy of GPT-3.5 to classify posts
 - scraper.py does not always extract event date, location, and time of an event due to limited accuracy of using GPT-3.5. It may also present incorrect data
 - scraper.py only scrapes the first image if a post contains multiple images (slideshow view)
 - Mobile-view text and filter button size is too small
 - Security Issue: API-keys (Google Maps, Firestore, OpenAI) pushed to repo in plain text
 - Crown/Merrill scraping may not work as expected
 - scraper.py can be rate limited by OpenAI API
 - No Error handle page for unknown pages

- User location doesn't always work as expected
- Markers on map doesn't always show
- User location marker will sometimes flicker unexpectedly on the map
- Landing page will sometimes load with a white border
- Using an outdated google-maps library causing a lot of the npm error/incompatibility
- Omissions
 - No functionality for creating an event
 - No filtering of events for map
 - Running the scraper automatically using a cron job
 - No voting system for events
 - No functionality to add event to Google calendar
 - Events that have already passed aren't automatically deleted from firestore
- Design shortcuts
 - (Info Page) The back and next button is hard coded with only two pages available

Product Backlog

- User Stories
 - As a club member, I would like to be able to view club-specific events (Filter Events)
 - As an event organizer, I would like to be able to create events (Ability to create events)
 - As a student on campus, I would like to be able to filter different events with map visualization (Map Visualization)
 - As a student, I would like to be able to send events to Google Calendar (Save events to google calendar)
 - As a student I would like to be notified of events I'm interested in (Notify users of events they're interested in)
 - As a student, I would like to know how many people are interested in attending specific events (Filters)
- Bug Fixes/Additions
 - Minimize reads to database to avoid going over Firebase usage
 - Add more information to popup window in the map
 - Use .env file to interact with API keys
 - Add try-catch to handle OpenAI rate limiting
 - Optimize map markers such as user location and event markers
 - Large descriptions doesn't get displayed fully
 - No functionality for creating an event
 - No filtering of events for map
 - Running the scraper automatically using a cron job
 - No voting system for events
 - No functionality to add event to Google calendar
 - Use more current google-maps library

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