<u>Headliner Project Specification</u>
Product Owner: Thomas Lee

Overview

      Our project is a social media web application focused on enhancing the event experience for promoters and event-gors . It serves as a centralized platform for tracking ticketed events, enabling users to RSVP and connect with others attending the same event. The application features a personalized stream of upcoming events and detailed event information. Verified users can create and host events, fostering event discovery and promotion. Additionally, users can join shared online event spaces with global chat streams, create public or private sub-groups, and organize smaller events around main events.

Product Backlog

- User Management
    - User registration and login with OAuth (Google or Facebook)
    - User roles/permissions for event-goers, event organizers, and administrators
    - Profile creation page and settings personalization
- Main Page & Event Discovery
    - Initial global stream page displaying music events near a user.
    - Search bar and filtering based on location, date, genre, etc.
    - Reach Goal: Google Maps API integration to display events by location
- Event Creation & Management
    - "Create" page for users to post event info, tickets, location, images, etc.
    - "Private" event mode to specify which users can access the shared event page
    - Tracked RSVPs from event-goers with "going", "maybe", and "not going" options
    - Enhanced permissions for event creators to moderate activity on their shared event page
- Shared Event Page
    - Global chat stream exclusive to RSVPed event-goers for users to communicate about the event in real-time.
    - Compatibility with uploading of photos, videos, and links
    - Creation of public and private sub-groups as separate pages within the event space.
    - Option to request to join different sub-groups and for sub-group creators to accept or reject join requests

Sprint One Backlog

- Thomas Lee
    - Created new Django app, and add all required folder hierarchy and dependencies
    - Created Login, Register, Event Page and work on Global Stream pages

- ○ Tuned style and app navigation
  - Ishan Kotecha
    - ○ Create discover event page
    - ○ Add discover event page functionality including AJAX requests for new page
    - ○ Add image posting functionality
  - Carter Weaver
    - ○ Create all django models
    - ○ Design and create HTML mockups and logo
  - Bhavya Jain
    - ○ Implement create event page and functionality
    - ○ Add initial CSS styling

Models

```
class Event(models.Model):
    event_picture = models.ImageField()
    event_description = models.TextField()
    title = models.CharField()
    location = models.CharField()
    date = models.DateField()
    price = models.DecimalField()
    created_by = models.ForeignKey()
    creation_time = models.DateTimeField()
    groups = models.ManyToManyField()


class ChatGroup(models.Model):
    event = models.ForeignKey()
    messages = models.ManyToManyField()


class Profile(models.Model):
    prof_picture = models.ImageField()
    user = models.OneToOneField()
    bio = models.TextField()
    attending = models.ManyToManyField()
    my_events = models.ManyToManyField()
```
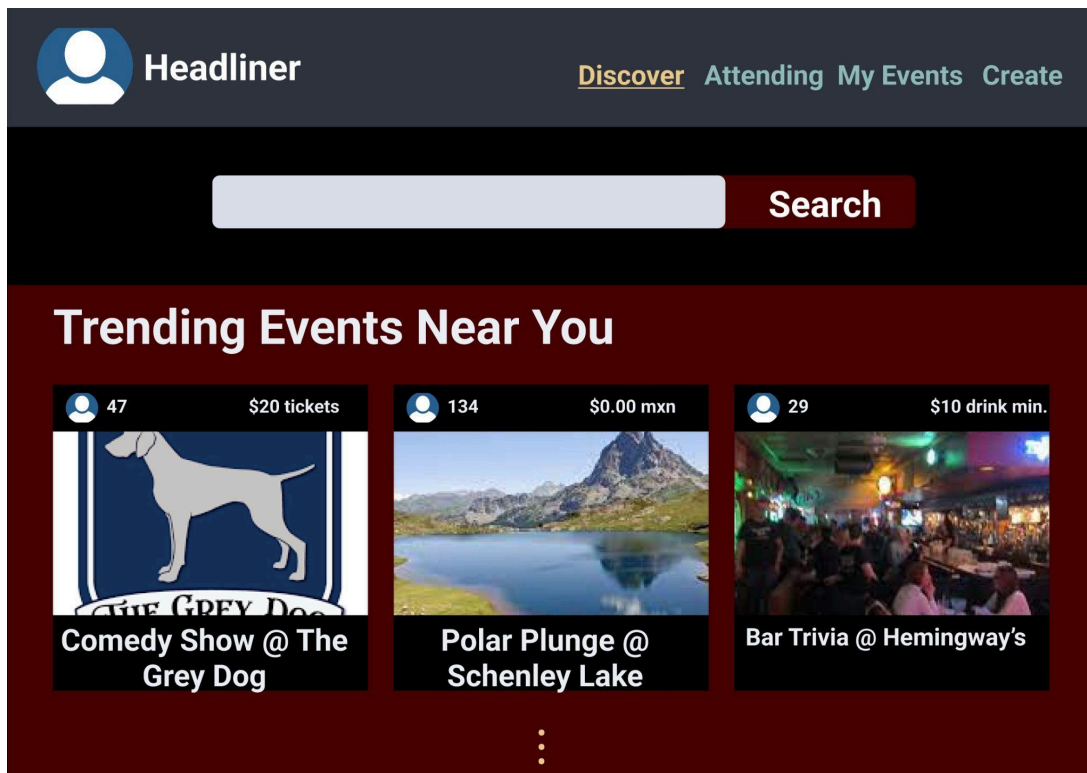
```
class Message(models.Model):
    creation_time = models.DateTimeField()
    created_by = models.ForeignKey()
    text = models.TextField()
    image = models.ImageField()
```
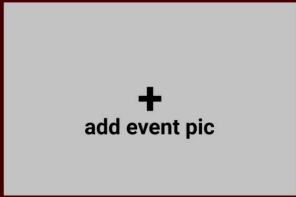
HTML Mockups

Main Page - Event Discovery

Create Event Page

Headliner

Discover   Attending   My Events   Create

+
add event pic

Title: Basement Rock Concert

Location: Beeler St. Pittsburgh, PA, 15217

Tags: dance   21+   +

Price: Free

Date: March 20th, 2024 @ 9PM

Description:

Save   Post

Shared Event Page

Headliner

Discover   Attending   My Events   Create

Basement Rock Concert
12345 Beeler St, Pittsburgh, PA, 15217

★ Saved   March 20th, 2024

Description
Este es un evento que se celebra una vez al año, festeja el festival aleman de la cerveza desde tu ciudad, construye memorias que te duraran toda la noche y invita a todos tus amigos a celebrar antes de que tengas examenes parciales.

Tags: #music   #dance   #18+

Free Entry with RSVP

Global   My Groups   New Group

Express yourself...

@cartiB16   Post

March 19th, 2024
Thomas Lee   @tleeeee99
The drummer is super cute
27 Likes   13 Replies

March 19th, 2024
Ishan Kotecha   @ikotech123
What time are y'all showing up?
27 Likes   13 Replies

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