

Project Specification Contents

Project Backlog:

Google Map

- We will implement CRUD functionalities on our Google Map to make it more interactive. The functionalities of focus are listed below (not limited to)
 - Render all available public events on Google Map
 - Support event filtering by friends (events created by friends)
 - Support event filtering by location (events in region, radius/bounding box, or preset locations)
 - Allow users to create an event at a clicked location (click handling directly on map)
 - Allow users to signup for events directly on the map
 - Allow event creators to directly delete their events on the map

UI/UX

- We will improve template styles with bootstrap components
- We will add a toggle that applies light/dark mode to the website
- We plan on improving the visual aspect of our navbar and templates pages with icons and other visual elements

Social Support

- We will add user lookup which allows users to find each other and send friend requests
- We will add a profile page and bio section for each user

Testing

- Add unit testing for key database models
- Add test checking authorizations on database CRUD functionalities

Other

- Update documentations and readmes for github before deployment
- Setup deployment with AWS Services and config API endpoints to support deployment website

First Sprint Backlog:

Listed Below are some main tasks and descriptions for each task. The team worked together in deciding what components were desired for the webpage for the first sprint. This work was then split up by allowing all group members to figure out how to set up the webpage, with one actually implementing it. The other two group members then were in charge of researching more specific tasks, in this case OAuth and Google Maps implementation. Any left over work was picked up on a need basis. (Product Owner: Allen Xie (ID: axie))

Setup

- This task entails creating a base structure for our website so we can easily test and manage our code as we create it. The structure will most likely be a prototype, and not at all appear like the final product. Minimal focus will be placed on the UI and UX.

OAuth

- Would like to implement and integrate the basic functionality of oauth. This will allow users to streamline the login and registration process. We would also like to integrate this to our user profile model, in order to track a user's information and support friends list in the future

Templates Creation

- Landing Page
 - The main first page that users will be introduced to before they log into the website initially. Will force users to go through the oauth process
- Connect to OAuth Pages
 - Integrate redirection of OAuth to our other pages, so that
- Events Page
 - Events can be created, updated and deleted. All the events should be listed in the events page with their basic information.
- Location Page
 - Locations can be created, updated and deleted. All the locations should be listed in this page with all the basic information.

Google Map

- Successfully render the map, and place a few location markers in order to signify where certain individuals and locations are. This should be implemented initially for testing purposes, to see if we can get it to work correctly.

Models

- Integrate and set up the models that we will need for our webpage. After creation, an attempt will be made to try and embed them into the rest of the website to be updated and used. This can be basic functionality and will be modified in the future

Data Models + implementation

```
# Create a Profile model.
class Profile(models.Model):
    user = models.OneToOneField(User, on_delete=models.CASCADE)
    bio = models.CharField(max_length=200)
    picture = models.FileField(blank=True)
    content_type = models.CharField(max_length=50)
    friends = models.ManyToManyField(User, related_name='friends')

# Create a Location model.
class Location(models.Model):
    name = models.CharField(max_length=120)
    address = models.CharField(max_length=360)
    zip_code = models.CharField(max_length=15)
    lat = models.FloatField(blank=True)
    lng = models.FloatField(blank=True)
    phone = models.CharField(max_length=25, blank=True)
    web = models.URLField(blank=True)
    email_address = models.EmailField(blank=True)

# Create an Event Model.
class Event(models.Model):
    name = models.CharField(max_length=120)
    event_date = models.DateTimeField()
    location = models.ForeignKey(Location,
                                blank=True,
                                null=True,
                                on_delete=models.CASCADE)
    lat = models.FloatField(blank=True)
    lng = models.FloatField(blank=True)
    manager = models.ForeignKey(User,
                                blank=True,
                                null=True,
                                on_delete=models.SET_NULL)
    description = models.TextField(blank=True)
    attendees = models.ManyToManyField(User, blank=True)
```

Wire Frame and HTML mockups

Top or right side navbar to look at list of things

LandingPage

Login page and Signup Pages - Handled by oauth

Main Map Page

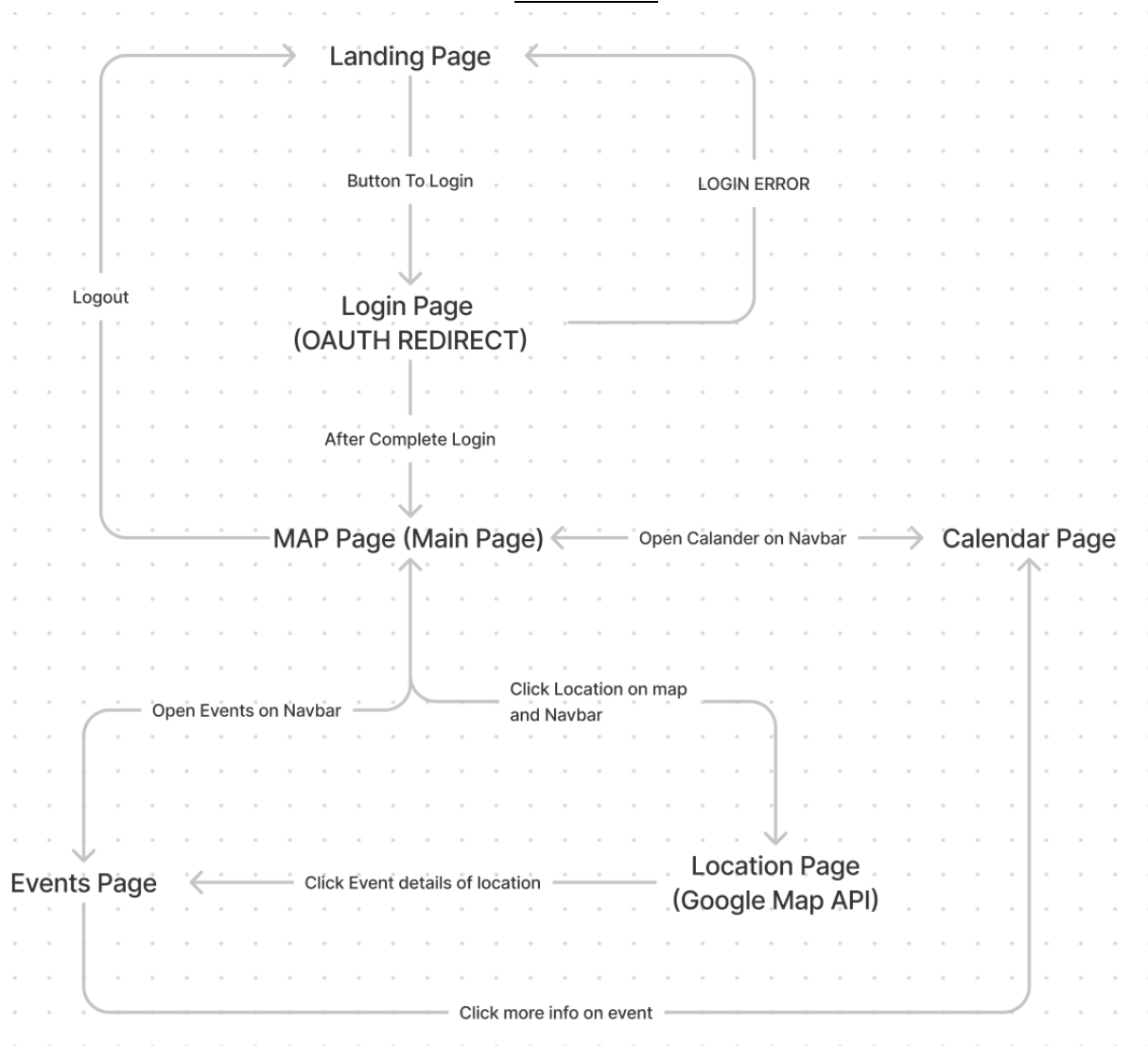
- Will have toolbar and icons for different locations of interest

Locations Page - List of event locations on map

Events Page - List of events based on locations

Calendar Page - Calendar image with information on events and their locations


Wire Frame



HTML Mockup

The image shows the CMU Social Map interface. On the left, the text 'CMU SOCIAL MAP' is displayed in a bold, white, sans-serif font. Below this text is a white rectangular button with the word 'Login' in blue. The background of the interface is a satellite view of the Earth, showing clouds and landmasses. Several blue location pins are placed on the map, with red stars indicating specific points of interest. The overall design is clean and modern.

Google



Locations	
Football Field:	
• Saturday Game	
Auditorium	
• Recital	

Events

basketball game in CMU

Event information:

Venue: 1622 forbes street

- Date: March 18, 2022, 2 p.m.

- Venue: basketball court

- Manager: yoyanghuang

- Description: This is an amazing basketball game in CMU to help students get connected!!

- Attendees: Yoyang Huang.

Update

Delete

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10	11
12	13	14 Dante Ball Game	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Holidays and Observances: 17-18, Patrick's Day

Wiki Calendar