

# Lanternfly Spotter

Tiffany Han and Maggie Cai

# Product Backlog

- Create a Django Framework
  - Login, logout, register functionalities
- Display Google Maps of all user reported coordinate data
  - Centered at the Pittsburgh area
  - Collect longitude and latitude information from user input and display on map
  - This map shows all the locations people have reported to have seen lanternflies
- Add report of coordinate data
  - Create a form that allows the user to add a location where they've spotted a lanternfly and add additional information.

# Sprint Backlog

- Create a Django Framework
  - Login, logout, register functionalities
  - Maggie
- Integrate Google maps
  - Display map, centered at the Pittsburgh area
  - Tiffany
- Create Django Model Object
  - Create a the report lantern fly object
  - Create a form that will allow the user to upload data
  - Tiffany
- Create a mockup of core HTML Pages
  - Link pages with each other
  - Display the headers and make sure user can navigate
  - Maggie

# Product Owner

Name: Tiffany Han

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# Data Models

```
class Profile(models.Model):
    bio = models.CharField(max_length=200)
    user = models.OneToOneField(User, on_delete=models.PROTECT)
    picture = models.FileField(blank=True)
    content_type = models.CharField(max_length=50)
    # following = models.ManyToManyField(User, related_name="following")

    def __str__(self):
        return 'id=' + str(self.id) + ',text="' + self.bio + '"'
```

```
class Spotting(models.Model):  
    # latitude = models.FloatField(min_value=-90, max_value=90)  
    # longitude = models.FloatField(min_value=-180, max_value=180)  
    latitude = models.DecimalField(max_digits=9, decimal_places=6)  
    longitude = models.DecimalField(max_digits=9, decimal_places=6)  
    user = models.OneToOneField(User, on_delete=models.PROTECT)  
    picture = models.FileField(blank=True)  
    content_type = models.CharField(max_length=50)
```

In the next week, we hope to be able to obtain the latitude and longitude data by placing a pin on the google map integration.

# HTML Mock-ups



# Login

LanternFly Spotter

[Register](#)

Login

**Username:**

**Password:**

# Register

LanternFly Spotter

[Login](#)

Register:

Username:

Password:

Confirm password:

Email:

First name:

Last name:

Register

# Global Map

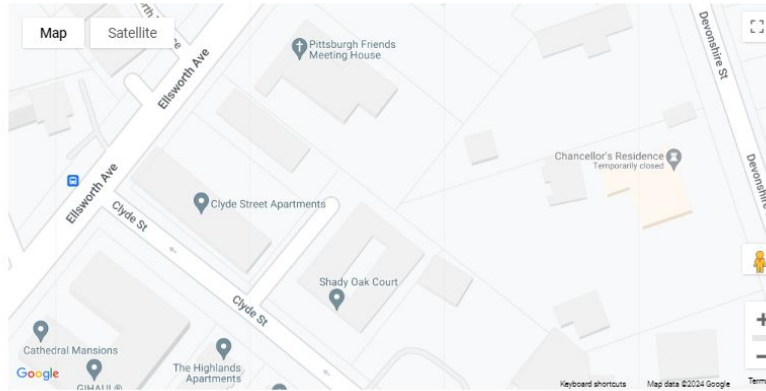
LanternFly Spotter

Good to have you here, m c!

[Global Map](#)

[Logout](#)

## My Google Maps Demo



add report

# Add Report

LanternFly Spotter

Good to have you here, m c!

[Global Map](#)

[Logout](#)

Report Spotting:



How many lanternflies did you see? (estimate is okay!)

How many did you kill?

How many dying trees do you see around the area?

Thank you!