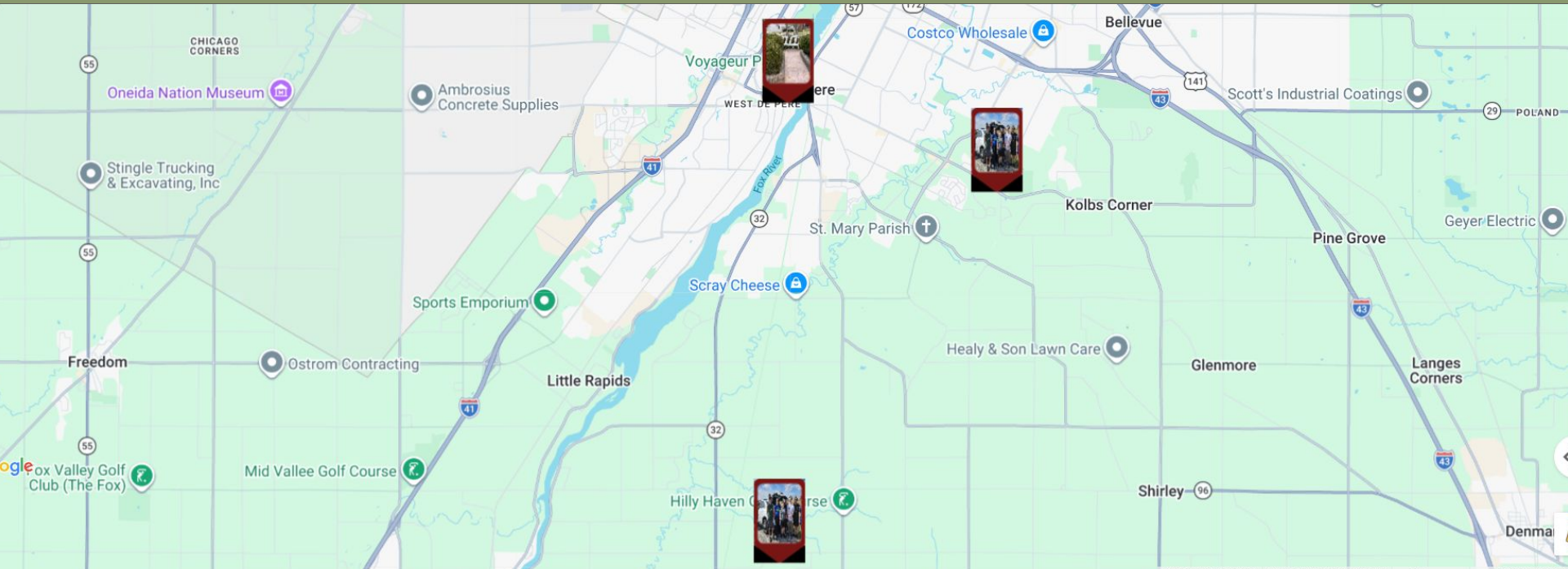


# *Mappics: Journey's through Photos*

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## Terms to know

**Thumbnail:** A compressed version of the larger photo

**Pin:** The object that holds a photo

**Region:** Such as city, state, country

**Meta Data:** Information associated with a photo such as its location and when it was taken.

**Groups(trip/user):** Collection of photos all associated collectively under one shared category.

**Flag:** An object that indicates whether something needs to be considered

# Project Description

Code: Html, PHP, Javascript, etc

- Customized pins as thumbnails
- Choosing a pin/photo should enlarge the photo and show relevant meta data.
- A user of the application should be able to filter what locations they wish to see based on user, time, relevance, etc.
- A zoom option will enlarge a region of the user's choice, or occasionally zoom regions randomly so the map doesn't look stagnant.

Goal: Develop an application that links photos to a map.

# The Journey (Big Topics)

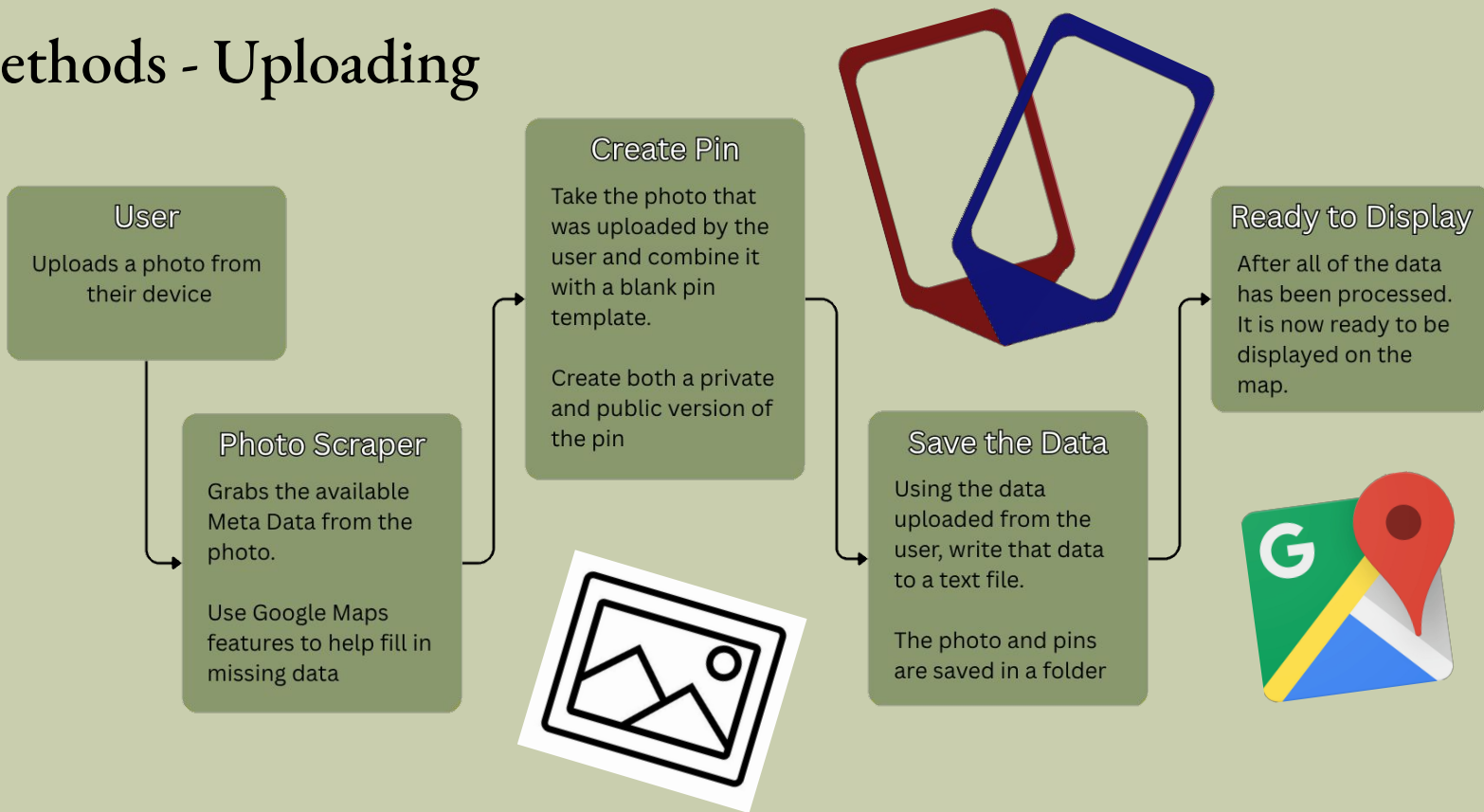
Maps API

Interacting W/ Photos

- Uploading Photos
  - What file types?
- Editing Photos
  - Meta data?
- Filtering Photos

Creating an interactive experience

# Methods - Uploading



# Methods - Editing

## Gather Photos

All photos have a user associated with it. Allows us to determine who has access to what photos.

## Edit/Delete Photo

Depending on what the user wants, they can edit the info associated with a photo or remove it from the application

# Filtering

## How to determine what needs to be filtered?

All pins have meta data associated with them that can be used to filter.

## How to filter correctly

Flags are set to determine what is actually be filtered.

If multiple flags are set then we have to take extra precautions when filtering

## Update our markers

Run through our marker array applying our filters to each pin.

Demo

# Exceptions

## Pin Transparency

- Black space where transparency should be

## Filter photos by region

## No concrete plan for implementing Trip groups

- Both for photos and users

## Uploading/creating a pin based on a click on the map from a user

## Creating dynamically grouped pins



# Extensions

## Implementing Trip grouping

- Multiple photos in one group that automatically tracks a trip/journey

## User groups(Families/Friends)

- A group that multiple people can upload to and share photos through

# Sources

Stack Overflow

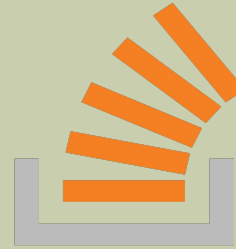
Google Maps API Documentation

Jackson Corcoran's Capstone

Dr. McVey

GD Graphics Library Documentation

- Special Shout out to the SNC ITS



Q&A