Core Product Features

Account Features
- New users can create a free account on the site. Users will be required to enter their full name, email, and password.
- Existing users can login to the site. A password reset will be available to recover lost or forgotten passwords.
- Existing users will be allowed to edit their account information, including their email address, name, and password.
- Existing users will be allowed to delete their accounts in the event they no longer want it.

Image Upload Features
- Users will be able to upload from local directories, selecting which photos will be used. Users will also be able to select an arbitrary location for images that do not contain location data. This location will be selected by typing in an address using the Google Maps search API
- Users can integrate social networks that contain photos for upload as well (Instragram). A selection window will appear to allow users to selectively upload photos. Location selection will also be available.
- Users can delete photos from the site.
- Users will be able to download their photos from the site.
- Users will be able to categorize photos into albums
- Users will be able to caption their photos

Map/Display Features
- Users will be able to view all of their photos by location, displayed on the map.
- Hovering over the photo icon will expand to a full sized preview of their photos/photos.
- Photos near each other in the current view will be grouped as one icon
- Users can traverse and manipulate the map.
- Users can search for locations to travel there on the map

Stretch Goals

Account Features
- Users will be able to select an image for use as a profile picture
- Users can link their account to multiple social media sites, including Facebook, Twitter, and Instagram

- Users can follow/friend other users, allowing them to view their uploaded pictures
- Organizations can also create accounts such as musical groups, restaurants, public and private locations and businesses.

Image Upload Features

- Users will be able to apply filters to their images that they upload to the site.
- Integration with more social network services.
- Users will be able to click on the map to choose a location for their image
- Users will be able to tag other users and use hashtags to describe their photos
- Users should be able to upload photos from a mobile device browser

Map/Display Features

- Users can see photos from other "friended" users on the map
- Users can choose how they view the map (satellite view, hide street names, change displayed elements)
- Users should be able to view the map from a mobile device.
- Users can search for users or tags of photos.

API Features

- Users will be able to upload images programmatically to an API endpoint
- Users will be able to download their images from an API endpoint, based on a location
- There will be a Swagger definition of the API on the website, allowing for easy use