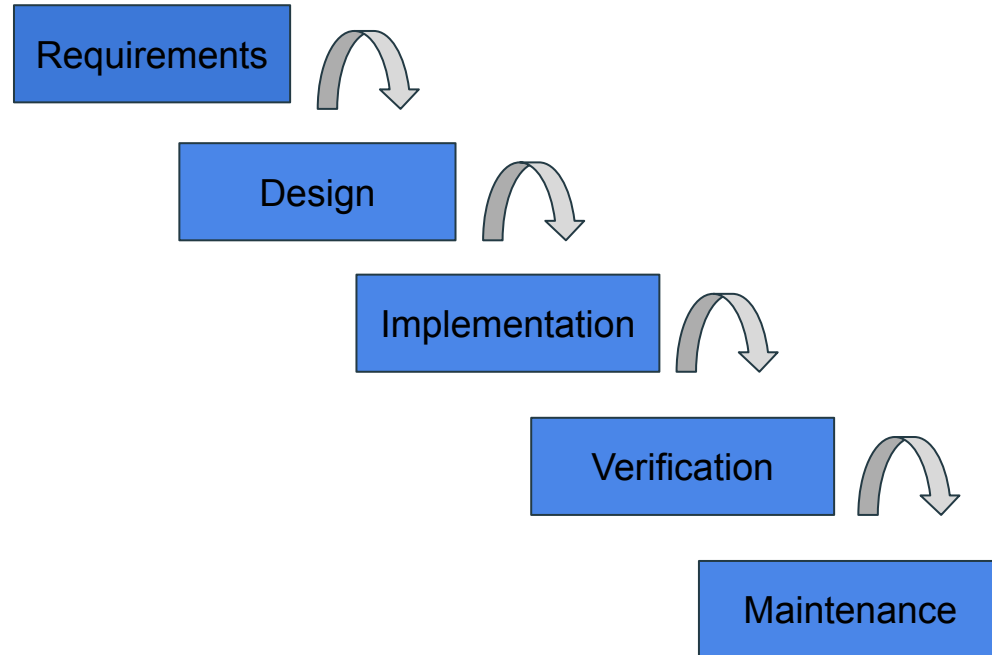


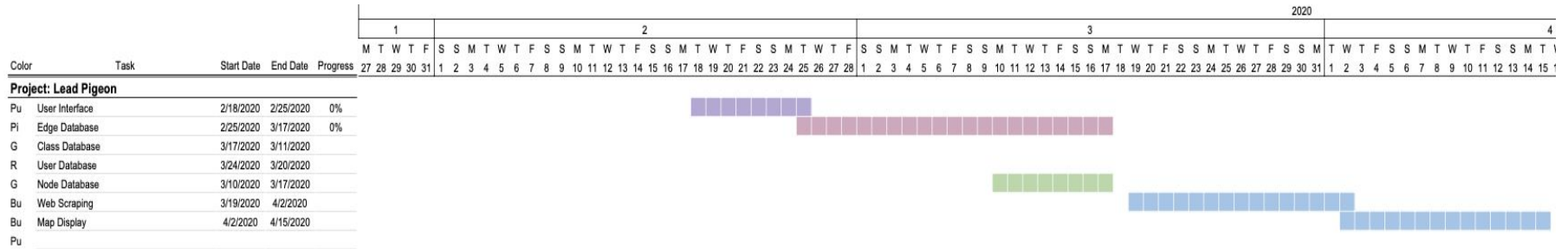
Buff Guide

Project Lead Pidgeon (PLP):
Andrew, Justin, Michael, Christen, Rachel, Daniel

Methodology: Waterfall



Gantt Chart



Challenges


- 4 weeks into project, we realized we were following Waterfall methodology instead of original idea of using Agile methodology.
 - Was more ideal for our design strategy
- Deploying Google API's on website:
 - Embedded google map (feature)
 - Marker Clustering (testing)
 - Directions API (feature)
- **Covid - 19 (global pandemic)**

Version Control : Github










Team 3 Project for CSCI 3308

[41 commits](#) [3 branches](#) [0 packages](#) [0 releases](#) [3 contributors](#)

[Branch: dev2](#) [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#)

 **mido3801** login and add class working

Latest commit 1533c7f 4 days ago

 .idea	working site version 0.1	8 days ago
 buffguide	login and add class working	4 days ago
 tests	working site version 0.1	8 days ago
 .gitignore	test	8 days ago
 BuildingLocations.csv	login and add class working	4 days ago
 README.md	working site version 0.1	8 days ago
 classData.txt	working site version 0.1	8 days ago
 setup.py	working site version 0.1	8 days ago
 spring2020class_schedule.pdf	working site version 0.1	8 days ago



Framework : Flask



Flask

Web Server: Heroku Platform

Latest activity

[All Activity](#)



justinyara@gmail.com: @ref:postgresql-clear-51371 completed provisioning, setting DATABASE_URL.
Apr 17 at 1:12 PM · v6



justinyara@gmail.com: Attach DATABASE (@ref:postgresql-clear-51371)
Apr 17 at 1:12 PM · v5



justinyara@gmail.com: Deployed 9786cd20
Apr 17 at 1:11 PM · v4



justinyara@gmail.com: Build succeeded
Apr 17 at 1:10 PM · [View build log](#)



justinyara@gmail.com: Deployed 6d421a13
Apr 17 at 12:57 PM · v3



justinyara@gmail.com: Build succeeded
Apr 17 at 12:57 PM · [View build log](#)

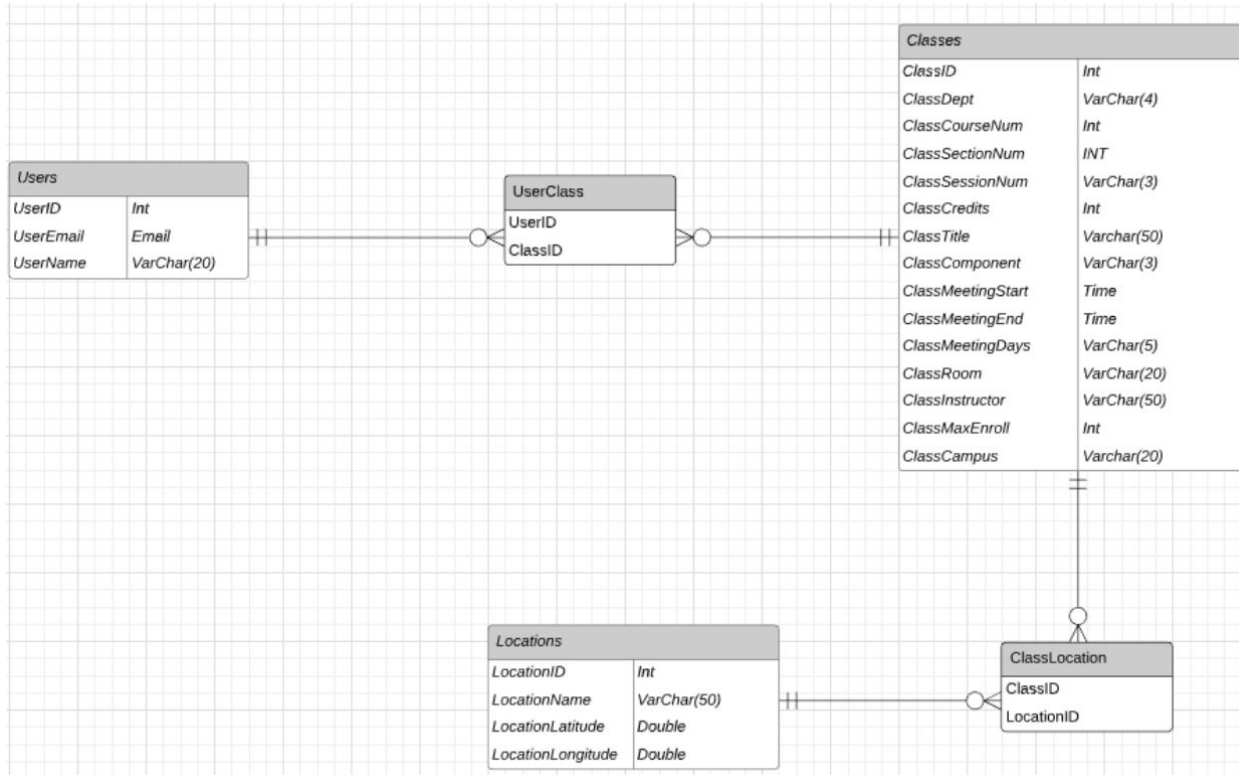


justinyara@gmail.com: Enable Logplex
Apr 17 at 12:38 PM · v2



```
mike@mike-VirtualBox:~/PycharmProjects/BufTest$ git push heroku master
Counting objects: 2, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 229 bytes | 229.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0)
remote: Compressing source files... done.
remote: Building source:
remote:
remote: ----> Python app detected
remote: ----> No change in requirements detected, installing from cache
remote: ----> Installing SQLite3
remote: ----> Installing requirements with pip
remote: ----> Discovering process types
remote: Procfile declares types => web
remote:
remote: ----> Compressing...
remote: Done: 99M
remote: ----> Launching...
remote: Released v8
remote: https://buffguide.herokuapp.com/ deployed to Heroku
remote:
remote: Verifying deploy... done.
To https://git.heroku.com/buffguide.git
5a0f24a..792cfab master -> master
```

Database : SQLite



Class and Location Database

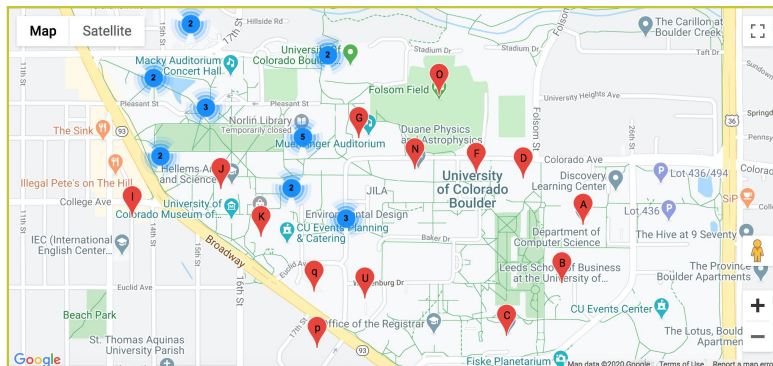
```
CREATE TABLE Users(  
    userID INTEGER PRIMARY KEY AUTOINCREMENT,  
    userName TEXT UNIQUE,  
    userPass TEXT UNIQUE  
);  
  
CREATE TABLE Classes(  
    classID INTEGER PRIMARY KEY,  
    classDept TEXT NOT NULL,  
    classCourseNum TEXT NOT NULL,  
    classSectionNum TEXT NOT NULL,  
    classSessionNum TEXT NOT NULL,  
    classClassNum INTEGER NOT NULL,  
    classTitle TEXT NOT NULL,  
    classComponent TEXT NOT NULL,  
    classBuilding TEXT,  
    classRoom TEXT  
);  
  
CREATE TABLE Locations(  
    locationID INTEGER PRIMARY KEY AUTOINCREMENT,  
    locationName TEXT UNIQUE NOT NULL,  
    locationLatitude TEXT NOT NULL,  
    locationLongitude TEXT NOT NULL  
);
```

```
def pdfToText(outfile="classData.txt",filepath="spring2020class_schedule.pdf"):  
    with open(outfile,'w') as output:  
        with open('temp.txt','w') as tempFile:  
            pdfData = parser.from_file(filepath)  
            pdfText = pdfData['content']  
            tempFile.write(pdfText)  
  
            for line in tempFile:  
                if line.strip():  
                    output.write(line)  
  
            os.unlink('temp.txt')  
  
    return True  
  
def grabClassInfo(currLine,datalist):  
    attrList = [""]*15  
    temp = currLine.split(" ")  
    tempString=""  
    x=0  
    y=temp[6]  
    attrList[0], attrList[1], attrList[2], attrList[3], attrList[4], attrList[5] = temp[0].strip(), temp[1].strip(), temp[2].strip(), temp[3].strip(), \\\nint(temp[4]), temp[5].strip()
```

Google API's:



Directions



Marker Clustering

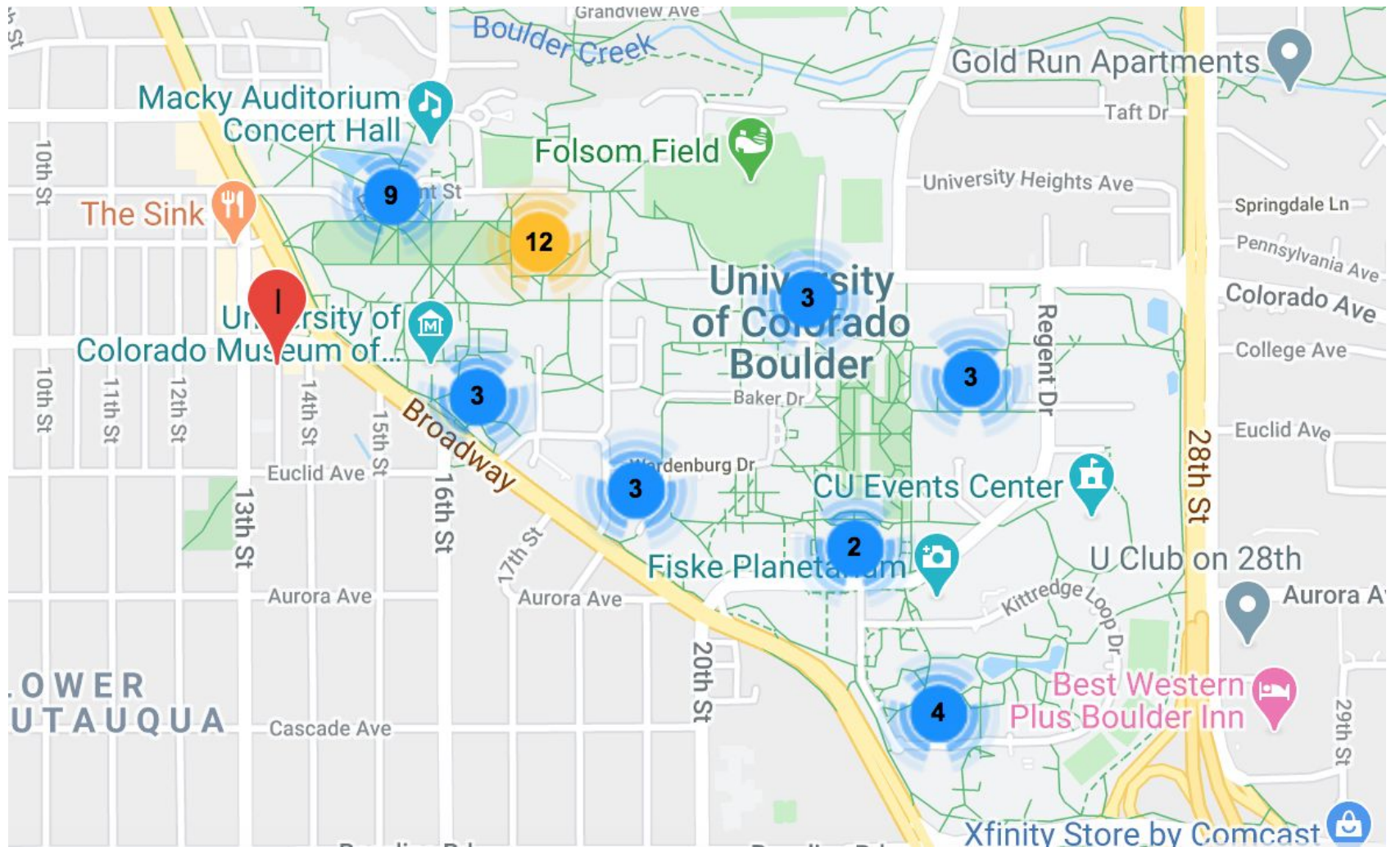


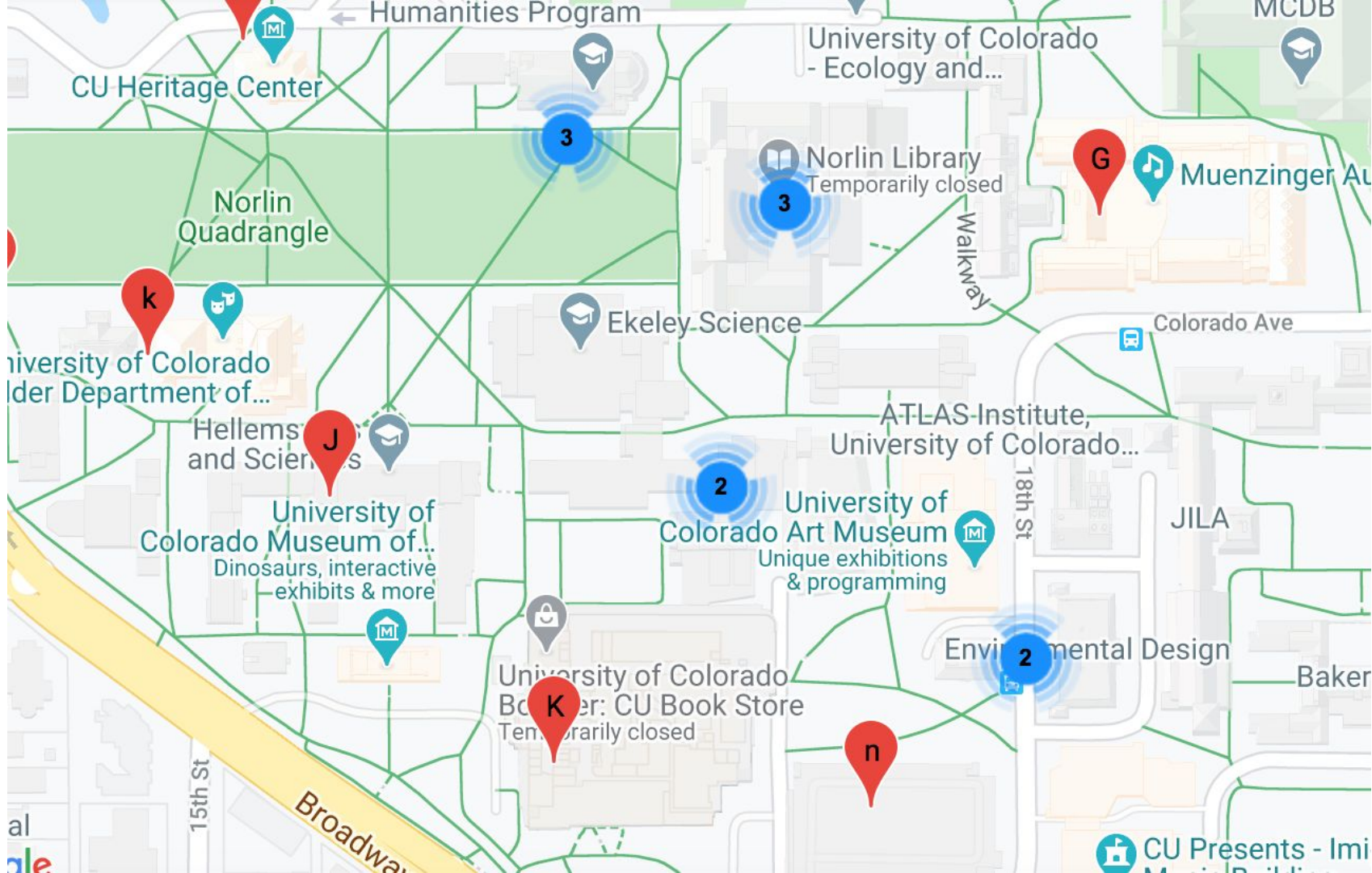
Google Maps

Marker Cluster API

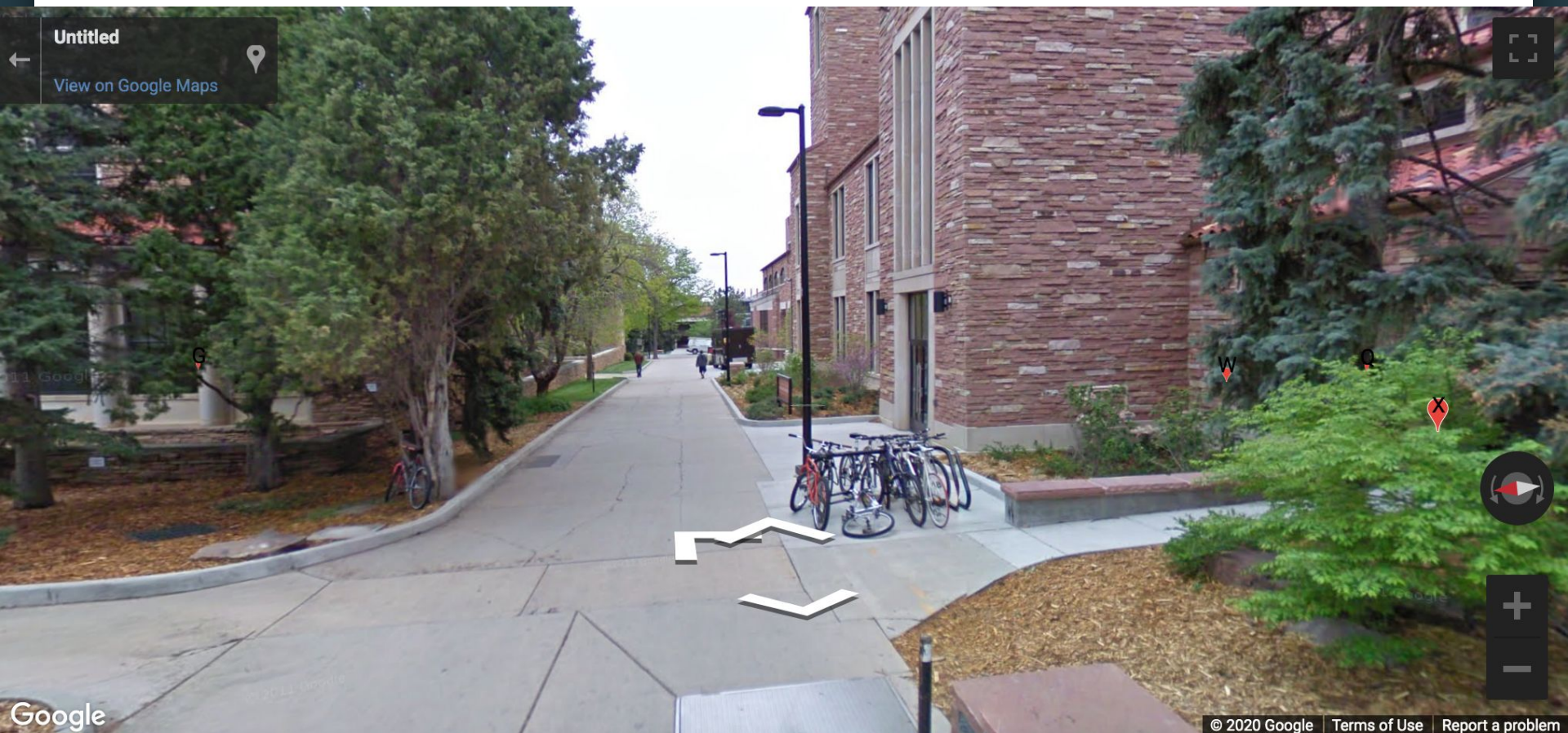
```
var markerCluster = new MarkerClusterer(map, markers,
    { imagePath: 'https://developers.google.com/maps/documentation/javascript/examples/markercluster/m' });
}
var locations = [
    {lat: 40.0068, lng: -105.2628}, //Engineering Center
    {lat: 40.005529, lng: -105.2633944}, //Leeds Business
    {lat: 40.00439, lng: -105.2649609}, //C4C
    {lat: 40.0078, lng: -105.2645}, //Mathematics
    {lat: 40.000711, lng: -105.27075}, //Norlin
    {lat: 40.0078961, lng: -105.2658207}, //Benson
    {lat: 40.0086626, lng: -105.2691503}, //Muenzinger
    {lat: 40.0089701, lng: -105.2718599}, //Ramaley
    {lat: 40.0090957, lng: -105.2719211}, //Humanities
    {lat: 40.0075662, lng: -105.2730583}, //Helms
    {lat: 40.0065339, lng: -105.2719142}, //UMC
    {lat: 40.0104812, lng: -105.2700319}, //Clare Small Arts
    {lat: 40.0076076, lng: -105.2710777}, //Cristol Chemistry & Biochem (CHEM)
    {lat: 40.0079956, lng: -105.2675724}, //Duane
    {lat: 40.00961, lng: -105.266866}, //Stadium
    {lat: 40.010093, lng: -105.269074}, //Rec Center
    {lat: 40.0069481, lng: -105.2695285}, //Environmental Design
    {lat: 40.0020572, lng: -105.2634423}, //Fleming
    {lat: 40.0029224, lng: -105.2633844}, //Kitteridge
    {lat: 40.0012649, lng: -105.2625796}, //Wolf Law
    {lat: 40.0052072, lng: -105.2689854}, //Wardenburg
    {lat: 40.009344, lng: -105.2734977}, //Old main
    {lat: 40.0074062, lng: -105.2699877}, //ROSE ATLAS
    {lat: 40.0076344, lng: -105.2705470}, //VAC
    {lat: 40.0035922, lng: -105.2635357}, //Fiske Planetarium
    {lat: 40.003742, lng: -105.262467}, //Speech, Language, Hearing Sciences
    {lat: 40.004971, lng: 105.260629}, //Coors Events Center
    {lat: 40.004573, lng: 105.266993}, //Regent Admin Building
    {lat: 40.0089663, lng: -105.2708564}, //Porter Biosciences
    {lat: 40.009874, lng: -105.273565}, //McKenna Languages
    {lat: 40.008276, lng: 105.27018}, //Ketchum A&S
    {lat: 40.0099913, lng: -105.2749753}, //Macky Auditorium
    {lat: 40.0092, lng: -105.275}, //Hale Science
    {lat: 40.003, lng: -105.16274}, //Guggenheim Geography
    {lat: 40.008638, lng: -105.2704382}, //GOLD Biosciences (GOLD)
    {lat: 40.008299, lng: -105.274783}, //Gates Woodruff Women's Studies Cottage
    {lat: 40.0081191, lng: -105.2739813}, //Ekeley Science (EKLK)
    {lat: 40.0069522, lng: -105.2755687}, //Denison A&S
```

```
<style>
.center {
  margin: auto;
  width: 60%;
  border: 3px solid #c5c719;
  padding: 10px;
}
</style>
<style>
/* Always set the map height explicitly to define the size of the div
 * element that contains the map. */
#map {
  height: 80%;
  width: 80%;
}
/* Optional: Makes the sample page fill the window. */
html, body {
  height: 100%;
  width: 100%;
  margin: 0;
  padding: 0;
}
</style>
</head>
<body>
<div id="map" class="center"></div>
<script>
var map;
function initMap() {
  map = new google.maps.Map(document.getElementById('map'), {
    center: {lat: 40.0075851, lng: -105.2681357},
    zoom: 15
  });
  // Create an array of alphabetical characters used to label the markers
  var labels = 'ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz';
  // Add some markers to the map.
```





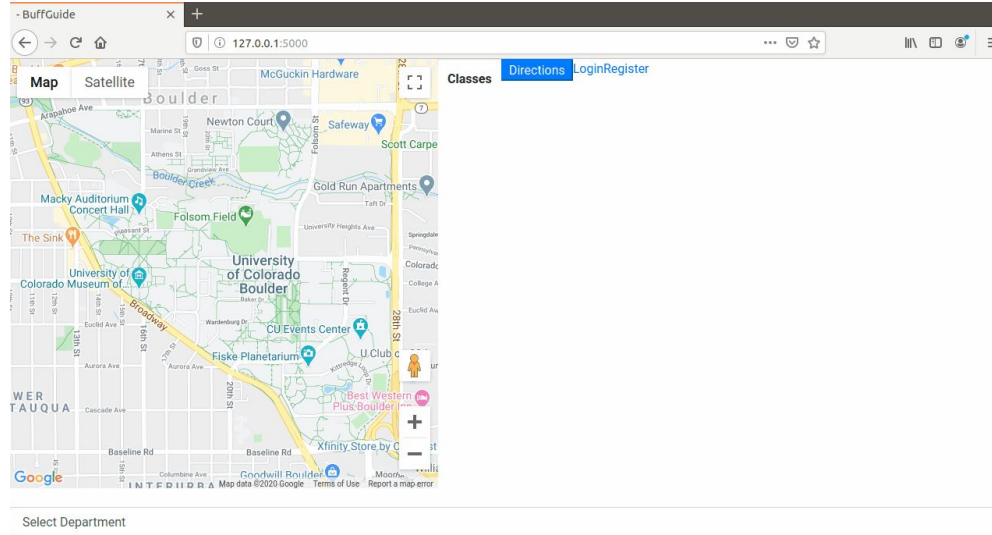
Marker Cluster API



Marker Cluster API



User Saved Classes



Submit