



**LANGLEY
PARK**
CIVIC ASSOCIATION

Data Dashboard



AGENDA

- 1. Team Introduction*
- 2. Project Scope*
- 3. Data*
- 4. Our Map*
- 5. Future Plans*



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MEET OUR TEAM



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Vincent Chung: Project Manager and Software Developer

Selin Erdogan: Communications Lead and Database Developer

Jonathan Evans: Software Developer

Manuel Orallo: Data Engineer



PROJECT SCOPE



In our first meeting, we discussed some **current issues** in the Langley Park area that we could look at.

These included:

- *Legal food vending areas*
- *Lack of public trash cans*
- *Purple line effect on the area and housing market*
- *Improve green spaces*



PROJECT SCOPE CONT.



However, we found that there was **not enough data** to carry out those projects.

After discussion with the group and you guys, we decided to land on an **interactive map** consisting of key locations in the Langley Park community.

During our second meeting, we confirmed the scope and deliverables for this map.



WHAT ARE WE DOING?

Residents of Langley Park **need resources to help them navigate the community.** Our map will aim to focus on these resources.

- ***Education***
- ***Recreation***
- ***Social/legal services***
- ***Religious***
- ***Health***
- ***Youth services***
- ***Transit***



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We are actively collaborating with the Langley Park Website Assessment team to integrate the map into their website



DATA



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We were able to build off an existing database from the **previous semester's group** that already included some community resources in the Langley Park area.

However, in order to **optimize** this data for our map we had to make some additions and do some cleaning.

We Added: ***Locations, Hours of operation, Latitude/longitude coordinates, Website links, Categories for filtering***



PREVIOUS DATABASE



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A1	service_id	B	C	D	E	F	G	other
1	service_id	service_name	provider_name	service_description	description_spanish	address	phone	other
2	0	Clifton Park Baptist Church	Clifton Park Baptist Church (CLIF)	Food is available once a month, re-contacting the church office	La comida está disponible una ve...	8818 Piney Branch Road Clifton Pa	301-434-2456	http://www.clif.org
3	1	SHARE Ministry Outreach	Turner Memorial AME Church	First come, first serve: Open until f...	Por orden de llegada: Abierto has...	7201 16th Place Hyattsville, MD 20...	240-417-6012	301-240-417-6012
4	2	Community CHEER	CHEER Community Health and Empow...	Open for registration to people wh...	Abierto el plazo de inscripción a ...	8720 Carroll Avenue New Hampshire	301-589-3633	http://cheermd.org
5	3	St. Michael and All Angles	St. Michael and All Angles	Groceries and ready-to-eat meals e...	Comestibles y comidas preparadas	8501 New Hampshire Ave Adelphi,	240-882-0274	
6	4	Grace United Methodist Chu...	Grace United Methodist Church	Open to Maryland residents 10:00 :	Abierto para los residentes de Ma...	7001 New Hampshire Ave Takoma	240-450-2092	
7	5	Mt. Jezreel Baptist Church	Mt. Jezreel Baptist Church	10:00 am–2:00 pm every month on De...	De 10.00 a 14.00 h, el primer sáb...	420 University Blvd East, Silver Spr...	301-461-4257	http://www.mtjezreel.org
8	6	Food Pantry	Langley Park Community Center	Open to anyone in need, all ages	An individual must be a part of the...	Covers: Prince Georges County, M...		
9	7	Food Pantry	Metropolitan Seventh-day Adventist Chu...	Available every 4th Friday of the m...	Abierto a cualquier persona necesit...	1500 Merrimac Drive Hyattsville, MI	301-445-4508	
10	8	Compassion Centers	Lutheran Mission Society Compassion F...	Weekly free food giveaway to mem...	Distribución semanal gratuita de ...	6307 Riggs Road Hyattsville, MD 20...	301-853-2224	http://lmsc.org
11	9	Food Pantry	Church of the Living God	Free food to meet basic nutritional...	Covers residents of Hyattsville, MD	3799 East-West Highway Hyattsville	301-277-2303	
				Food to meet basic nutritional nee...				
				Anyone can access this program (r...				
				Documents Required: Identification	Alimentos gratuitos para cubrir las...	1417 Chillum Road Hyattsville, MD	301-550-8802	



OUR UPDATED DATABASE



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	A	B	C	D	E	F	G	H	I
1	service_id	service_name	address	Latitude	Longitude	hours	contact	category	website
2	0	Clifton Park Baptist Church	8818 Piney Branch Road Clifton Park Village, MD 20903	39.0003356	-76.9940973	Mon-Fri: 9am-5pm Sat-Sun: 24 hours Mon-Fri: 8am-5pm Sat-Sun: Closed Mon: 9am-12pm Tue: Closed	301-434-2456	Religious	https://www.cliftonparkbaptistchurch.com
3	1	SHARE Ministry Outreach	7201 16th Place Hyattsville, MD 20783	38.9790748	-76.9808958		240-417-6012	Religious	https://www.shareministryoutreach.org/tutoring
4	2	Community CHEER	8545 Piney Branch Road, Suite H, Silver Spring, MD 20901	38.9978139	-77.0009529		301-589-3633	Health Services	https://www.communitycheer.org
5	3	St. Michael and All Angels	8501 New Hampshire Ave, Adelphi, MD 20783	38.9995326	-76.9822627		240-882-0274	Religious	https://www.stmichaelsadelphiacatholic.org
6	4	Grace United Methodist Church	7001 New Hampshire Ave Takoma Park, MD 20912	38.9769084	-76.9918998		240-450-2092	Religious	https://www.graceumc.org/en/fin
7	5	Mt. Jezebel Baptist Church	420 University Blvd East, Silver Spring, MD 20901	39.0087554	-76.9973509	Mon-Fri: 9am-4pm Sat: 9am-2pm Mon-Thur: 10am-6pm Fri-Sun: Closed	301-461-4257	Religious	https://www.mtjezebel.com
8	6	Turner Memorial AME Chu	7201 16th Place Hyattsville, MD 20783	38.9790748	-76.9808958	Mon-Thur: 10am-6pm Fri-Sun: Closed	301-408-0750	Religious	https://www.turner-ame.org
9	7	Metropolitan Seventh-day Adventist Church	6307 Riggs Road Hyattsville, MD 20783	38.9668504	-76.9866864		301-853-2224	Religious	https://metrosda.org/
10	8	Lutheran Mission Society	3799 East-West Highway Hyattsville, MD 20782	38.9658331	-76.9506567	Mon-Wed: 10am-12pm Thur-Sun: Closed	301-277-2303	Religious	https://www.compassionplains.org
11	9	Crossroads Farmers Market: Federal Food Langley Park Walk In Medical	Main Office: 6930 Carroll Avenue, Suite 426 Takoma Park, MD 20912	38.9753085	-77.0140289	Wed: 10:30am-2:30pm (April 24-November 27)	301-615-3806	Social/Legal Services	https://www.crossroadsfarmersmarket.com
12	10	LA CLINICA DEL PUEBLO -	1040 University Blvd E, Silver Spring, MD 20903	38.9916846	-76.9895751	Mon-Fri: 10am-6pm Sat: 10am-2pm	301-445-7026	Health Services	https://www.lapueblo.org
13	11	CCCI-SILVER SPRING MARY'S CENTER - ADELPHI MD	2970 Belcrest Center Dr 301 4th floor, Hyattsville, MD 20782	38.9659539	-76.9557558	Mon-Fri: 9am-6pm Sat-Sun: Closed	240-714-5247	Health Services	https://www.ccivilhealth.com
14	12		8630 Fenton St #1200, Silver Spring, MD 20910	38.9979019	-77.0285039	Mon-Fri: 8am-4:30pm Sat-Sun: Closed	866-877-7258	Health Services	https://www.maryscenter.org
15	13		8908 Ringers Rd, Adelphi, MD 20783	39.0017153	-76.9738586	Mon-Fri: 9am-5pm Sat-Sun: Closed	301-422-5900	Health Services	https://www.adelphimedicalcenter.com



FINAL DATABASE



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```
1  // locations.js
2  const communityLocations = [
3      {
4          lat: 38.9893,
5          lng: -76.9819,
6          type: 'recreation',
7          name: 'Langley Park Community Center',
8          address: '1500 Merrimac Drive Hyattsville, MD',
9          phone: '(301) 445-4508',
10         email: 'langleyparkcc@pgparks.com',
11         hours: [
12             { days: 'Mon-Thu', time: '9am-9pm' },
13             { days: 'Fri', time: '9am-7pm' },
14             { days: 'Fri (Teens)', time: '7pm-10pm' },
15             { days: 'Sat', time: '10am-4pm' },
16             { days: 'Sun', time: '12pm-4pm' }
17         ]
18     },
```

<https://github.com/vincentchung2002/langley-park-civic-dashboard/blob/main/locations.js>



MAPPING SOFTWARE



In order to allow **easy integration** into the Langley Park Civic Association website we decided to use **Leaflet.js**.

Leaflet is an **open-source JavaScript library** used to make **interactive maps**.

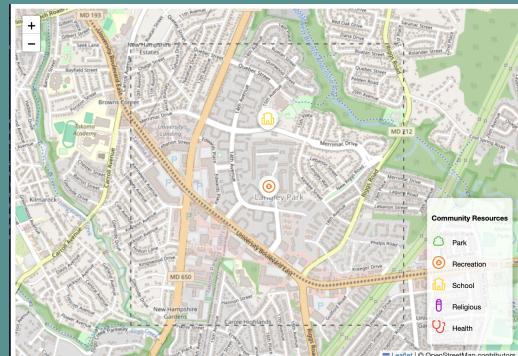
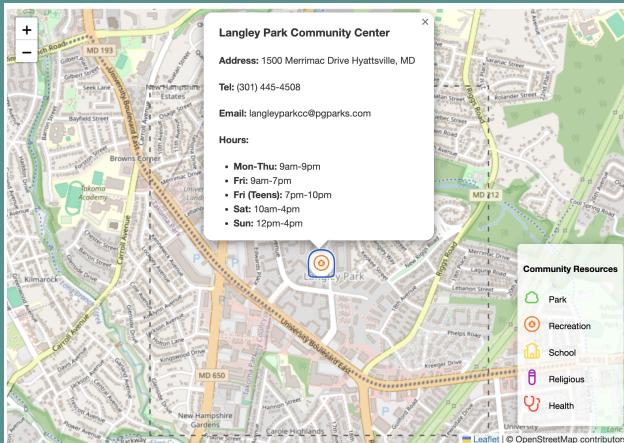
It works efficiently across **all major desktop and mobile platforms**, can be **extended with lots of plugins**, and has a **easy to use and well-documented API**.

FIRST TEST



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This iteration of the map consisted of some **test points** to see if the labeling worked properly. We also wanted to **test the popup content** that would appear when a location on the map was clicked.



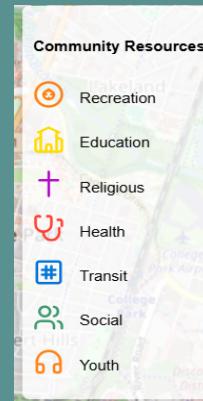
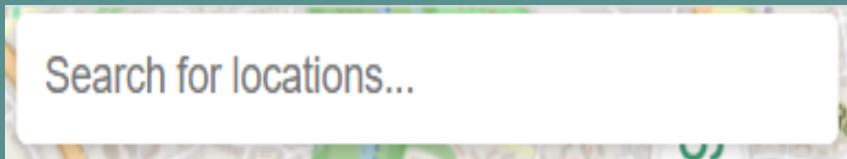


ADDING MORE FEATURES



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The goal of the interactive map is to have an **accessible** and **easy-to-use user interface**. Users will be able to **search specific locations** or by **filter by category**.





DEMONSTRATION OF MAP

<https://vincentchung2002.github.io/langley-park-civic-dashboard/>
<https://github.com/vincentchung2002/langley-park-civic-dashboard>



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The screenshot shows a map of the Washington, D.C. area, specifically focusing on Silver Spring, Takoma Park, Adelphi, and College Park. The map includes street names like MD 390, US 29, MD 594, MD 320, MD 195, MD 410, and MD 193. A search bar at the top center says "Search for locations...". On the right side, there is a sidebar titled "Community Resources" with the following legend:

- Recreation (orange circle)
- Education (yellow lock)
- Religious (purple cross)
- Health (red heart)
- Transit (blue square)
- Social (green people)
- Youth (orange speech bubble)

The sidebar also includes a note: "Leaflet | © OpenStreetMap contributors". The bottom of the screen shows a Windows taskbar with various icons and the system tray.



User Guide



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In order to allow you guys to update the map without our help
we developed a comprehensive and easy to understand guide that you can use.

<https://github.com/vincentchung2002/langley-park-civic-dashboard/blob/main/User%20Guide.pdf>



FINAL DELIVERABLES



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Github Repository

- 1. Map code*
- 2. Database*
- 3. User Guide*
- 4. Slide presentation*



FUTURE PLANS



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We have prepared a user manual/guide as a resource for you once this project comes to an end.

This guide will include tutorials on how to update the map with new locations and how they can add temporary event locations as well.



SUGGESTIONS FOR FUTURE LANGLEY PARK GROUP



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As we wrap up our contributions to this project we have come up with some points and suggestions that the future students you guys work with can use.

1. Automate moving the information from the database to the JSON file
2. Mapping of transit lines connecting different metro stations
3. Pictures added to the popup content in locations
4. Integration of a 3D map like Google Earth to capture more realism
5. Addition of green line transit points



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**THANK YOU!
ANY QUESTIONS?**