

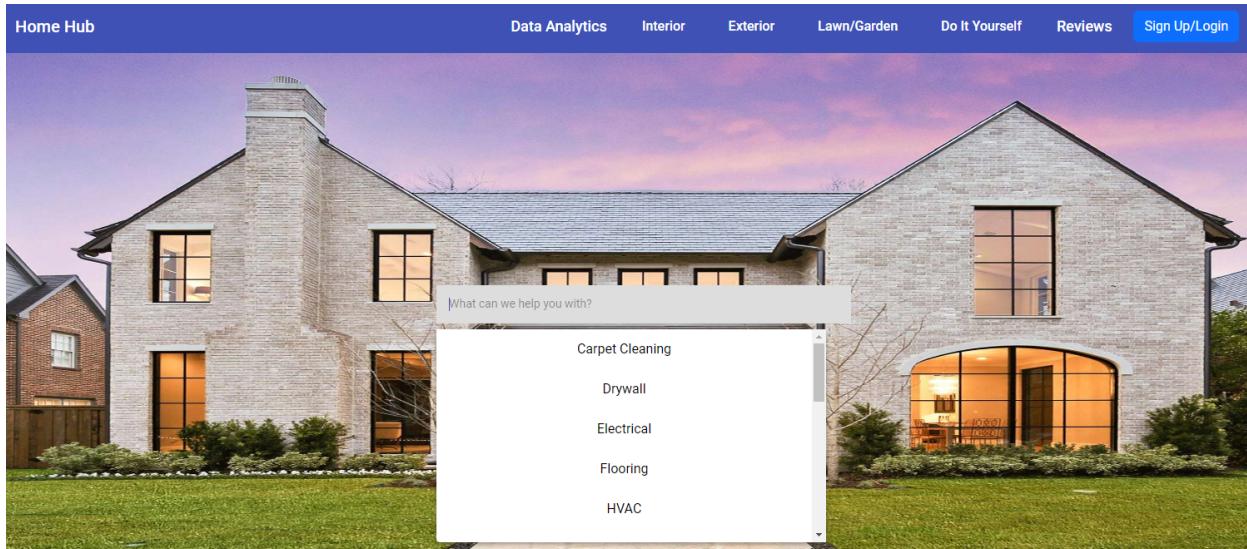
Home Hub App

Group 8

Bade, Mithilesh (mbade@hawk.iit.edu)

Pulla, Venkatarao (vpulla@hawk.iit.edu)

Tollefson, Andrew (atollefson@hawk.iit.edu)



Most Popular Services

Electrical
Good Guys Electric
\$100.00 per Hour
Rating: 5
of Reviews: 9

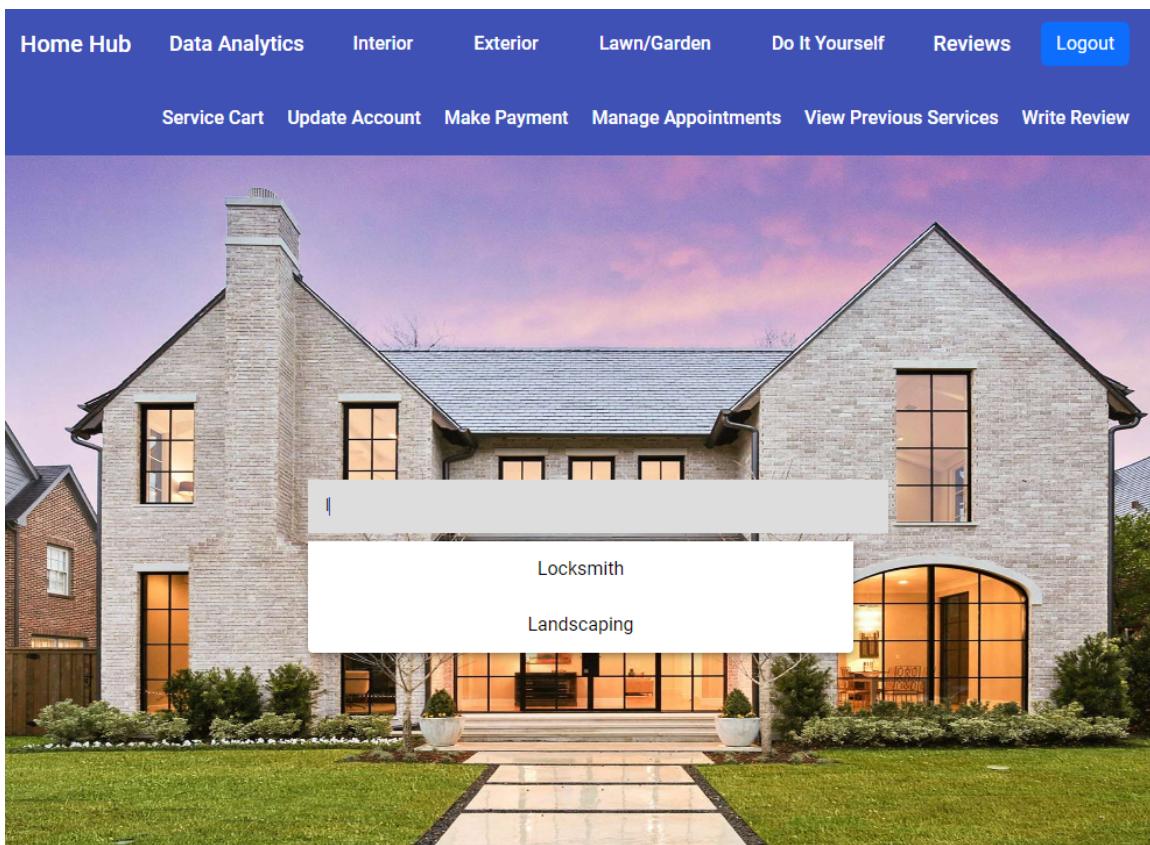
Painting
Eco Painting Design
\$80.00 per Hour
Rating: 5
of Reviews: 6

Electrical
Alex Electrical
\$95.00 per Hour
Rating: 4
of Reviews: 4

Plumbing
Good Plumbing
\$100.00 per Hour
Rating: 3.9
of Reviews: 101

HVAC
Leahy Heating & Cooling
\$95.00 per Hour
Rating: 5
of Reviews: 6

Home Page No Users Signed In



Logged-In Customer Home Page with Auto-Complete Search

Most Popular Services

Electrical Good Guys Electric \$100.00 per Hour Rating: 5 # of Reviews: 9	Painting Eco Painting Design \$80.00 per Hour Rating: 5 # of Reviews: 6	Electrical Alex Electrical \$95.00 per Hour Rating: 4 # of Reviews: 4	Plumbing Good Plumbing \$100.00 per Hour Rating: 3.9 # of Reviews: 101	HVAC Leahy Heating & Cooling \$95.00 per Hour Rating: 5 # of Reviews: 6
--	--	--	---	--

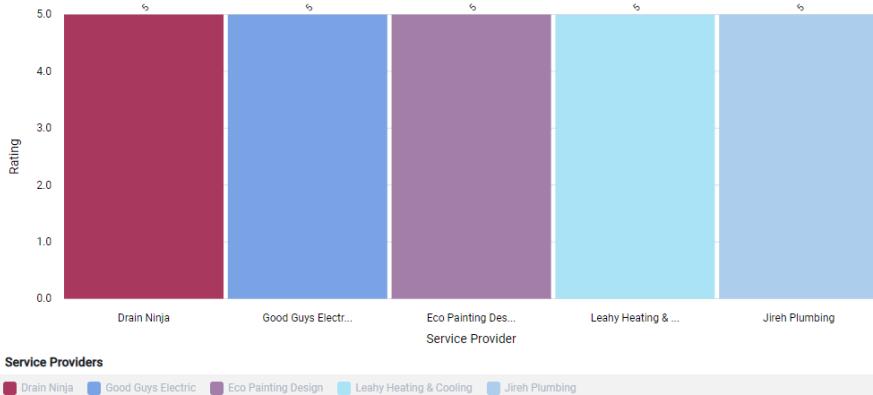
Based on Your Service History, We Recommend...

Plumbing Jireh Plumbing \$92.00 per Hour Rating: 5 # of Reviews: 5	Plumbing Drain Ninja \$95.00 per Hour Rating: 5 # of Reviews: 6	Roofing Quality Way Roofing & Masonry Construction \$65.00 per Hour Rating: 5 # of Reviews: 22	Roofing Perez Roofing & Masonry \$60.00 per Hour Rating: 5 # of Reviews: 21	Flooring Chicago Flooring Innovations \$60.00 per Hour Rating: 5 # of Reviews: 31
---	--	---	--	--

Most Popular Services and Recommended Services Based on Previous Service History on Customer Home Page

Highest Rated Service Providers

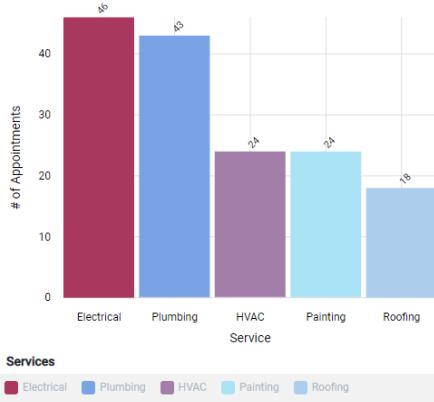
Service Provider	Rating
Drain Ninja	5
Good Guys Electric	5
Eco Painting Design	5
Leahy Heating & Cooling	5
Jireh Plumbing	5



Highest Rated Service Providers in Data Analytics

Services with Highest Number of Appointments

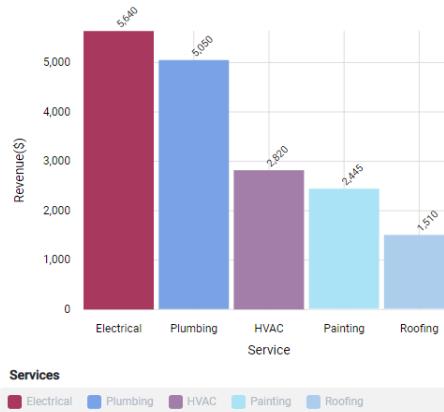
Service	Number of Services
Electrical	46
Plumbing	43
HVAC	24
Painting	24
Roofing	18



Services with Highest Revenue in Data Analytics

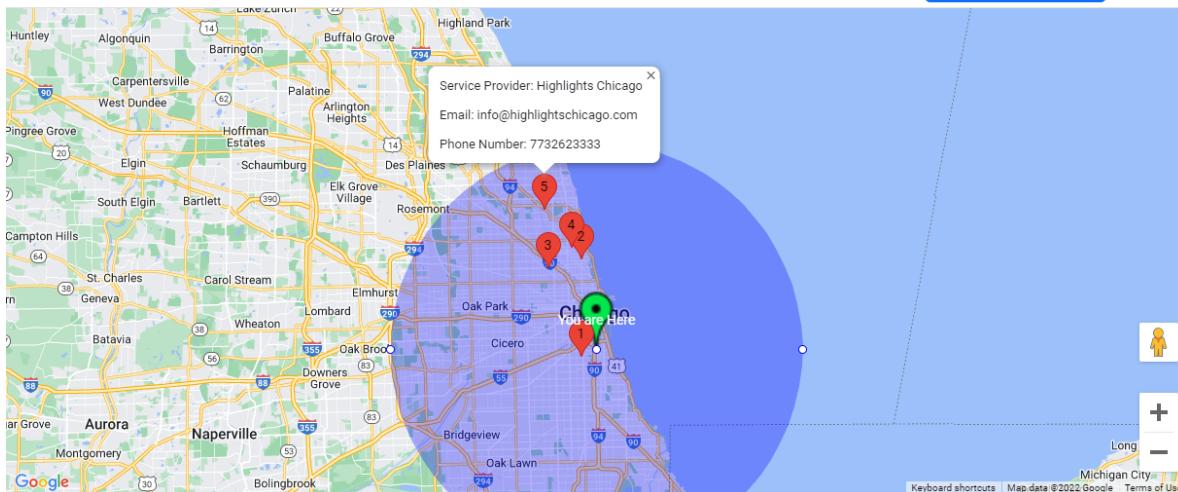
Services with Highest Revenue

Service	Revenue
Electrical	\$5,640.00
Plumbing	\$5,050.00
HVAC	\$2,820.00
Painting	\$2,445.00
Roofing	\$1,510.00



Services with Highest Revenue in Data Analytics

Service Provider	Service	Street Address	City	State	Zip Code	Rating	# of Reviews	Cost/Hour	Schedule Appointment
Alex Electrical	Electrical	922 W 34th Pl	Chicago	IL	60608	4	4	\$95.00	Schedule Appointment
Fix It People Chicago	Electrical	2837 North Halsted St	Chicago	IL	60657	4.7	358	\$98.00	Schedule Appointment
Good Guys Electric	Electrical	2024 N Hamlin Ave	Chicago	IL	60647	5	9	\$100.00	Schedule Appointment
Sims and Sons Electric and Plumbing	Electrical	1338 W Eddy St	Chicago	IL	60657	4.9	217	\$90.00	Schedule Appointment
Highlights Chicago	Electrical	5766 N Lincoln Ave	Chicago	IL	60659	4.9	230	\$95.00	Schedule Appointment



Service Providers in Electrical Category Shown in Table and on Google Map (Customer Signed In)



Yelp Ratings Chart for Service Providers in Electrical Category

Schedule Appointment

Service Provider
Alex Electrical

Service
Electrical

Start Time *
--:-- --



End Time *
--:-- --



Day Service Performed *



Schedule Appointment

Schedule Appointment Screen

Service Provider	Service	Date	Start Time	End Time	Cost	Street Address	City	State	Zip Code	Remove
Alex Electrical	Electrical	12-01-2022	12:00 PM	1:00 PM	\$95.00	10 W 31st St	Chicago	IL	60616	Remove
Create Appointment(s)										

Services Cart

Service Provider	Service	Date	Start Time	End Time	Cost	Street Address	City	State	Zip Code	Remove
No Services in Cart										

Empty Services Cart

Home Hub	Data Analytics	Interior Design	Reviews	Services
Appointment for Sims and Sons Electric and Plumbing at 10:00 AM Could Not be Created Because Service Provider Already has an Appointment at that Time. Please Try Again.				
OK				
Create Appointment(s)				
Service Provider Service Date Start Time End Time Cost Street Address City State Zip Code Remove				
Sims and Sons Electric and Plumbing Electrical 01-04-2023 10:00 AM 11:00 AM \$90.00 10 W 31st St Chicago IL 60617 Remove				

Trying to Create Appointment When the Service Provider Already has an Appointment

Home Hub		Data Analytics		Interior		Appointments for Sims and Sons Electric and Plumbing at 12:00 PM Created							Reviews		Locations			
													OK		Services		Write	
Service Provider		Service	Date	Start Time	End Time	Cost	Street Address	City	State	Zip Code	Remove							
Sims and Sons Electric and Plumbing		Electrical	12-12-2022	12:00 PM	1:00 PM	\$90.00	10 W 31st St	Chicago	IL	60617	<button>Remove</button>							

[Create Appointment\(s\)](#)

Successful Appointment Creation

Update Account

Password *	123
Street Address *	10 W 31st St
City *	Chicago
State *	IL
Zip Code *	60617
Email *	jim@gmail.com
Phone Number *	3125673000

[Update Account](#)

Update Account Screen

Service Provider	Day Service Performed	Service	Start Time	End Time	Cost	Amount Due	Street Address	City	State	Zip Code	Make Payment
Good Guys Electric	10-04-2022	Electrical	3:00 PM	4:00 PM	\$100.00	\$100.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Good Guys Electric	10-13-2022	Electrical	11:00 AM	12:00 PM	\$100.00	\$100.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Alex Electrical	10-12-2022	Electrical	11:00 AM	12:00 PM	\$95.00	\$95.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Sims and Sons Electric and Plumbing	11-22-2022	Electrical	10:00 AM	11:00 AM	\$90.00	\$90.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Mattco Plumbing	11-24-2022	Plumbing	10:00 AM	11:00 AM	\$90.00	\$90.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Good Plumbing	10-14-2022	Plumbing	11:00 AM	12:00 PM	\$100.00	\$100.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
First Chicago Plumbing	11-18-2022	Plumbing	2:00 PM	3:00 PM	\$96.00	\$96.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Leahy Heating & Cooling	10-12-2022	HVAC	10:00 AM	11:00 AM	\$95.00	\$95.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Comfort Zone Heating	11-24-2022	HVAC	09:00 AM	10:00 AM	\$92.00	\$92.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>
Fine Painting	11-18-2022	Painting	1:00 PM	2:00 PM	\$82.00	\$82.00	10 W 31st St	Chicago	IL	60611	<button>Make Payment</button>

Table of Previous Appointments that Require Payment

Make Payment

\$100.00

Payment Amount *

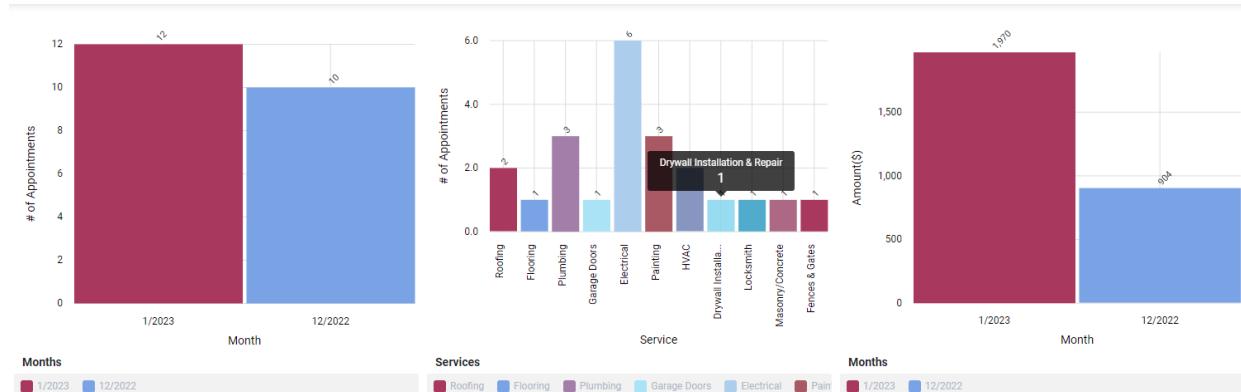
Credit Card Number *

Make Payment

Make Payment Screen

Service Provider	Day Service Performed	Service	Start Time	End Time	Cost	Street Address	City	State	Zip Code	Cancel Appointment	Change Appointment
Good Guys Electric	12-04-2022	Electrical	10:00 AM	11:00 AM	\$100.00	10 W 31st St	Chicago	IL	60611	Cancel	Reschedule
Good Guys Electric	12-05-2022	Electrical	10:00 AM	11:00 AM	\$100.00	10 W 31st St	Chicago	IL	60611	Cancel	Reschedule
Good Guys Electric	01-16-2023	Electrical	09:00 AM	11:00 AM	\$200.00	10 W 31st St	Chicago	IL	60611	Cancel	Reschedule
Alex Electrical	12-18-2022	Electrical	1:00 PM	2:00 PM	\$95.00	10 W 31st St	Chicago	IL	60611	Cancel	Reschedule
Sims and Sons Electric and Plumbing	12-10-2022	Electrical	3:00 PM	4:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611	Cancel	Reschedule
Sims and Sons Electric and Plumbing	01-09-2023	Electrical	1:00 PM	3:00 PM	\$180.00	10 W 31st St	Chicago	IL	60611	Cancel	Reschedule
Matco Plumbing	12-12-2022	Plumbing	3:00 PM	4:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611	Cancel	Reschedule

Manage Appointments Screen (Customer)



Charts on Manage Appointments Screen

Reschedule Appointment

Service Provider
Good Guys Electric

Start Time *
10:00 AM

End Time *
11:00 AM

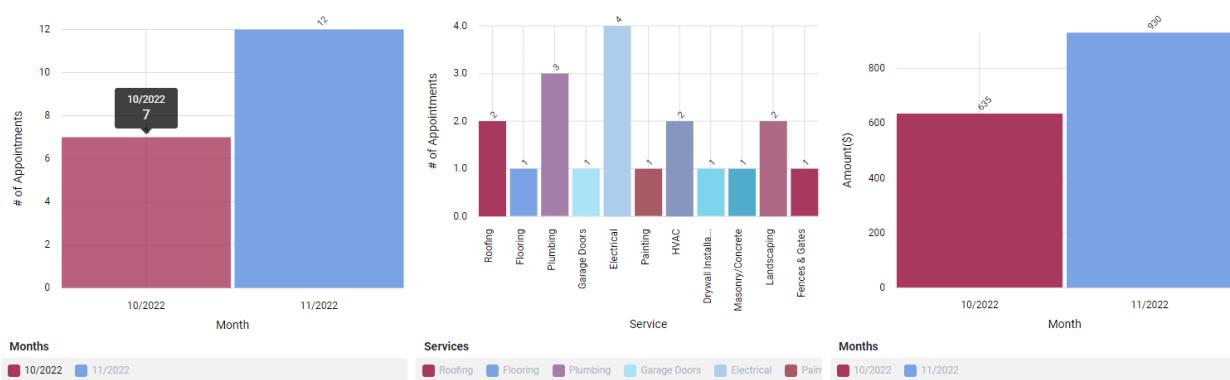
Day Service Performed *
12/4/2022

Reschedule Appointment

Reschedule Appointment Screen

Service Provider	Day Service Performed	Service	Start Time	End Time	Amount	Street Address	City	State	Zip Code
Good Guys Electric	10-04-2022	Electrical	3:00 PM	4:00 PM	\$100.00	10 W 31st St	Chicago	IL	60611
Good Guys Electric	10-13-2022	Electrical	11:00 AM	12:00 PM	\$100.00	10 W 31st St	Chicago	IL	60611
Alex Electrical	10-12-2022	Electrical	11:00 AM	12:00 PM	\$95.00	10 W 31st St	Chicago	IL	60611
Sims and Sons Electric and Plumbing	11-22-2022	Electrical	10:00 AM	11:00 AM	\$90.00	10 W 31st St	Chicago	IL	60611
Mattco Plumbing	11-24-2022	Plumbing	10:00 AM	11:00 AM	\$90.00	10 W 31st St	Chicago	IL	60611
Good Plumbing	10-14-2022	Plumbing	11:00 AM	12:00 PM	\$100.00	10 W 31st St	Chicago	IL	60611
First Chicago Plumbing	11-18-2022	Plumbing	2:00 PM	3:00 PM	\$96.00	10 W 31st St	Chicago	IL	60611
Leahy Heating & Cooling	10-12-2022	HVAC	10:00 AM	11:00 AM	\$95.00	10 W 31st St	Chicago	IL	60611
Comfort Zone Heating	11-24-2022	HVAC	09:00 AM	10:00 AM	\$92.00	10 W 31st St	Chicago	IL	60611

Previous Services Screen (Customer)



Charts on Previous Services Screen

Review

Service Provider

Service

Rating

Review Text *

Submit Review

Write Review Screen

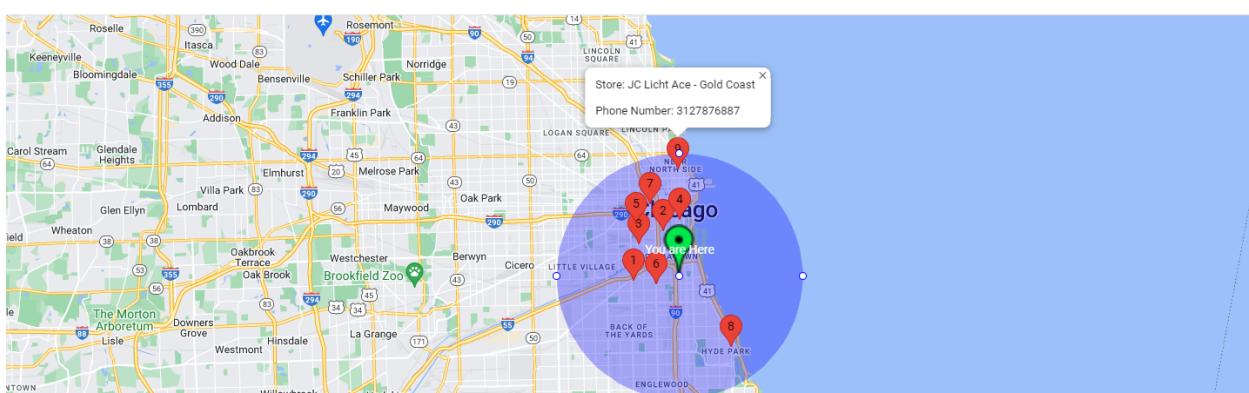
Search Type	Search by Service Type					
Search Criteria	Electrical					
View Reviews						
Customer	Service Provider	Review Date	Service	Rating	Review	Service Provider Response
jim	Good Guys Electric	11-29-2022	Electrical	4	Good quality service	Thank you for the review
jim	Sims and Sons Electric and Plumbing	11-29-2022	Electrical	3	Decent service	
bob	Alex Electrical	11-29-2022	Electrical	2	I am having some electrical issues	Please let us know what the issue is
joe	Sims and Sons Electric and Plumbing	11-29-2022	Electrical	4	Good service at a good price	
joe	Good Guys Electric	11-29-2022	Electrical	4	Fixed our electrical issues	
jill	Good Guys Electric	11-29-2022	Electrical	4	Good service	

Search Reviews by Service Type

Search Type	Search by Service Provider Name																												
Search Criteria	Good Guys Electric																												
View Reviews																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Customer</th><th>Service Provider</th><th>Review Date</th><th>Service</th><th>Rating</th><th>Review</th><th>Service Provider Response</th></tr> </thead> <tbody> <tr> <td>jim</td><td>Good Guys Electric</td><td>11-29-2022</td><td>Electrical</td><td>4</td><td>Good quality service</td><td>Thank you for the review</td></tr> <tr> <td>joe</td><td>Good Guys Electric</td><td>11-29-2022</td><td>Electrical</td><td>4</td><td>Fixed our electrical issues</td><td></td></tr> <tr> <td>jill</td><td>Good Guys Electric</td><td>11-29-2022</td><td>Electrical</td><td>4</td><td>Good service</td><td></td></tr> </tbody> </table>		Customer	Service Provider	Review Date	Service	Rating	Review	Service Provider Response	jim	Good Guys Electric	11-29-2022	Electrical	4	Good quality service	Thank you for the review	joe	Good Guys Electric	11-29-2022	Electrical	4	Fixed our electrical issues		jill	Good Guys Electric	11-29-2022	Electrical	4	Good service	
Customer	Service Provider	Review Date	Service	Rating	Review	Service Provider Response																							
jim	Good Guys Electric	11-29-2022	Electrical	4	Good quality service	Thank you for the review																							
joe	Good Guys Electric	11-29-2022	Electrical	4	Fixed our electrical issues																								
jill	Good Guys Electric	11-29-2022	Electrical	4	Good service																								

Search Reviews by Service Provider Name

Store	Street Address	City	State	Zip Code	Rating	# of Reviews
JC Licht Ace - Bridgeport	3145 S Ashland Ave	Chicago	IL	60608	3.5	13
The Home Depot	1300 S Clinton St	Chicago	IL	60607	2.9	274
Alvarez Hardware	1323 W 18th St	Chicago	IL	60608	4.7	7
JC Licht Ace - South Loop	725 S State St	Chicago	IL	60605	4.1	43
Chiariugi Hardware	1412 W Taylor St	Chicago	IL	60607	4.9	47
Windy City Hardware	3316 S Halsted St	Chicago	IL	60608	4.2	22
JC Licht True Value West Loop	18 S Sangamon St	Chicago	IL	60607	4.4	42
Elston Ace Hardware #3120	5422 S Lake Park Ave	Chicago	IL	60615	3.4	43
JC Licht Ace - Gold Coast	24 W Maple St	Chicago	IL	60610	5	1



Hardware Stores Nearby Screen



How-To Videos Screen

Home Hub Data Analytics Interior Exterior Lawn/Garden Do It Yourself Reviews Logout

Update Account Register Service Unregister Service View Appointments View Number of Appointments per Day View Previous Services Provided

What can we help you with?

Most Popular Services

Electrical
Good Guys Electric
\$100.00 per Hour
Rating: 5
of Reviews: 9

Painting
Eco Painting Design
\$80.00 per Hour
Rating: 5
of Reviews: 6

Electrical
Alex Electrical
\$95.00 per Hour
Rating: 4
of Reviews: 4

Plumbing
Good Plumbing
\$100.00 per Hour
Rating: 3.9
of Reviews: 101

HVAC
Leahy Heating & Cooling
\$95.00 per Hour
Rating: 5
of Reviews: 6

Logged in Service Provider Home Screen

Service Name
Cost/Hour *
Create Service

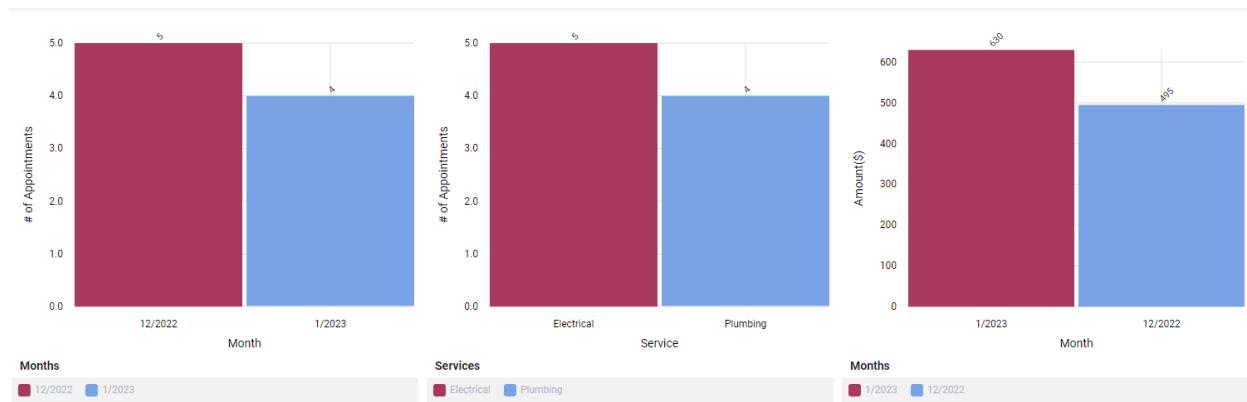
Register Service Screen

Service	Cost/Hour	Remove Service
Electrical	\$90.00	Remove Service
Plumbing	\$90.00	Remove Service

Unregister Service Screen

Customer	Day Service Performed	Service	Start Time	End Time	Cost	Street Address	City	State	Zip Code
sue	12-04-2022	Electrical	10:00 AM	11:00 AM	\$90.00	10 W 31st St	Chicago	IL	60611
bob	12-04-2022	Electrical	12:00 PM	1:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611
jill	12-04-2022	Plumbing	2:00 PM	3:30 PM	\$135.00	10 W 31st St	Chicago	IL	60611
jim	12-10-2022	Electrical	3:00 PM	4:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611
pam	12-18-2022	Plumbing	1:00 PM	2:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611
joe	01-04-2023	Electrical	10:00 AM	12:00 PM	\$180.00	10 W 31st St	Chicago	IL	60611
jim	01-09-2023	Electrical	1:00 PM	3:00 PM	\$180.00	10 W 31st St	Chicago	IL	60611
sue	01-09-2023	Plumbing	09:00 AM	10:00 AM	\$90.00	10 W 31st St	Chicago	IL	60611
bob	01-15-2023	Plumbing	09:00 AM	11:00 AM	\$180.00	10 W 31st St	Chicago	IL	60611

View Appointments Screen (Service Provider)



Bar Charts on View Appointments Screen

Day of Service	Number of Appointments	Total Cost
12-04-2022	3	\$315.00
12-10-2022	1	\$90.00
12-18-2022	1	\$90.00
01-04-2023	1	\$180.00
01-09-2023	2	\$270.00
01-15-2023	1	\$180.00

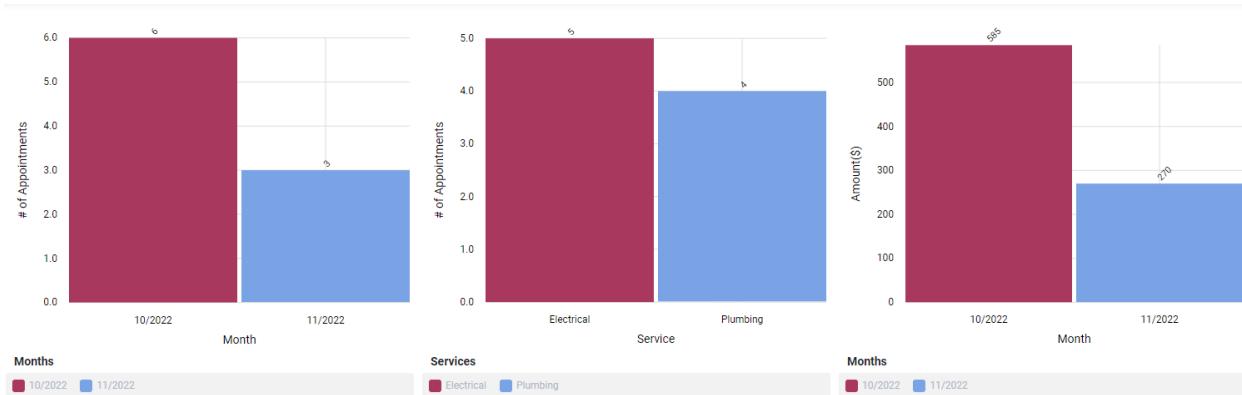
Number of Appointments per Day Screen (Service Provider)



Line Chart on Number of Appointments per Day Screen

Customer	Day Service Performed	Service	Start Time	End Time	Amount	Street Address	City	State	Zip Code
sue	10-04-2022	Electrical	3:00 PM	4:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611
jill	10-10-2022	Electrical	10:00 AM	11:00 AM	\$90.00	10 W 31st St	Chicago	IL	60611
joe	10-11-2022	Electrical	10:00 AM	11:00 AM	\$90.00	10 W 31st St	Chicago	IL	60611
pam	10-12-2022	Plumbing	11:00 AM	12:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611
bob	10-12-2022	Plumbing	2:00 PM	3:30 PM	\$135.00	10 W 31st St	Chicago	IL	60611
jill	10-12-2022	Plumbing	4:00 PM	5:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611
joe	11-16-2022	Electrical	2:00 PM	3:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611
jim	11-22-2022	Electrical	10:00 AM	11:00 AM	\$90.00	10 W 31st St	Chicago	IL	60611
bob	11-28-2022	Plumbing	3:00 PM	4:00 PM	\$90.00	10 W 31st St	Chicago	IL	60611

View Previous Service Provided Screen (Service Provider)



Bar Charts on View Previous Service Provided Screen

Review

Service Provider
Sims and Sons Electric and Plumbing

customer
jim

Service
Electrical

Rating
3

Review
Decent service

Response *

Submit Review

Review Response Page (Service Provider)