

# INNOLITICS

Automating the Future



*Teach a man to fish, and he will fish for 80 years.  
Teach a computer to fish, and it will fish forever.*

*Services &  
Portfolio*

**We dissect problems  
using our scientific  
training, then craft  
solutions that will  
exceed your expectations.**

# Schedule a Meeting

We are a company of engineers, scientists, and developers who enjoy conquering new technical challenges in high-pressure, time-sensitive environments. We provide custom software development and consulting services to businesses and medical facilities across the United States.



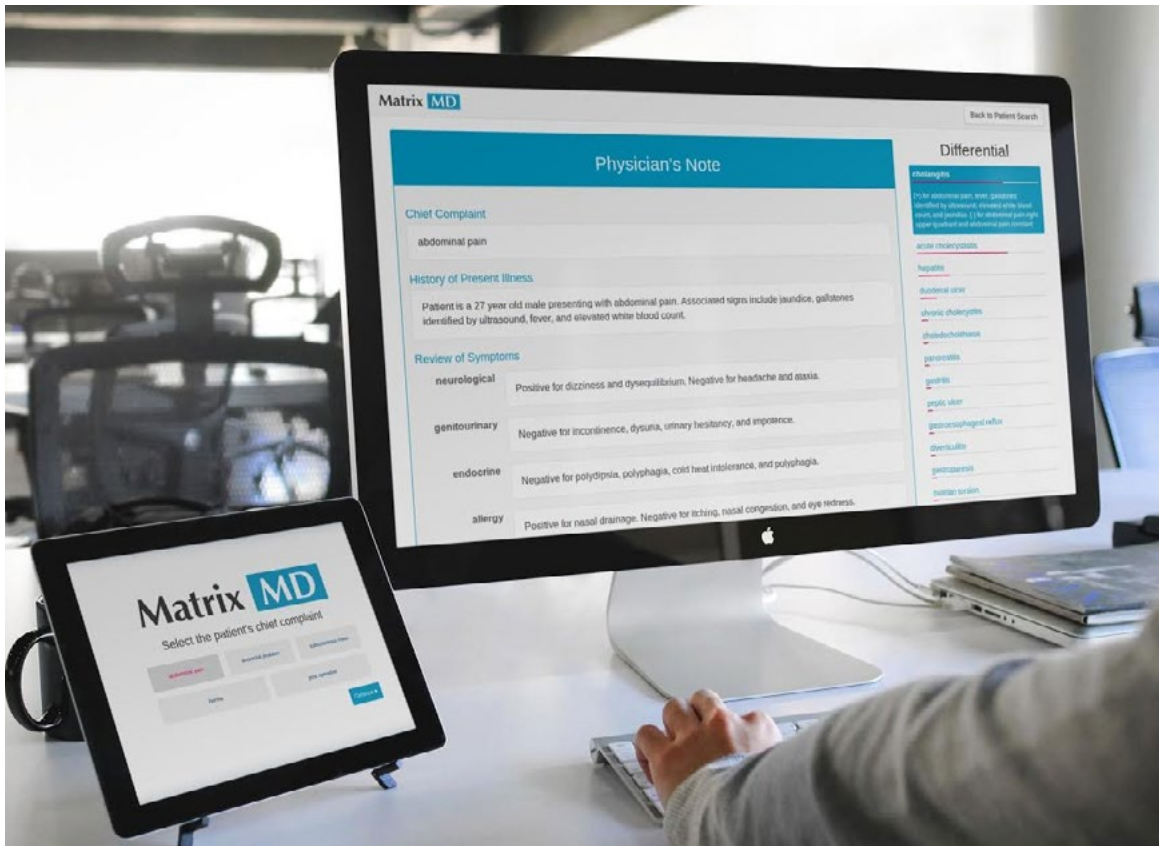
We would be delighted to schedule an in-person meeting or a conference call to see if our expertise is a good match for your challenge. To schedule a meeting, please contact us at:

**[info@innolitics.com](mailto:info@innolitics.com)**

# Summary of Services

We have worked with clients in a variety of spaces, using a variety of technologies, however our core areas of expertise include:

- Business Automation
- Web Applications
- Medical Imaging
- Scientific Computing



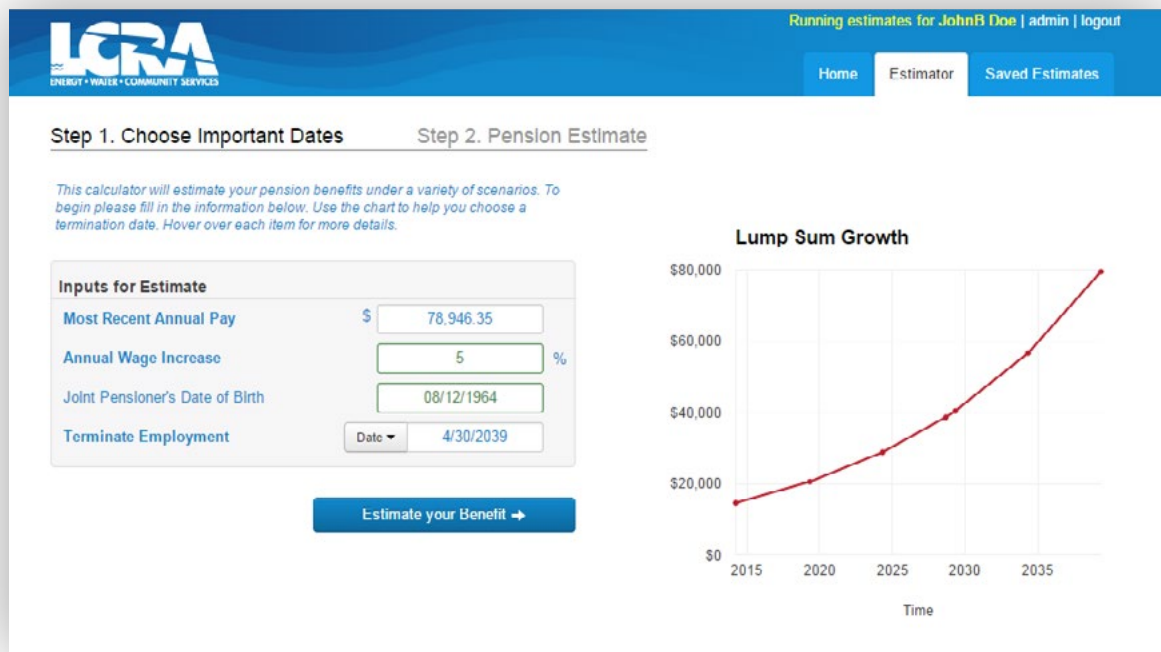
[www.matrixmd.net](http://www.matrixmd.net)

# Matrix MD

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Doctors are seeing more patients now than ever before, while simultaneously being required to write more detailed notes about their encounters. Matrix MD's vision is to reduce the regulatory burden on doctors by pre-populating notes with information gathered directly from patients.

We helped Matrix MD design the patient and doctor facing web interfaces. We also built a secure, HIPAA-compliant backend and fine-tuned the clinical decisionmaking algorithm.



Rudd & Wisdom Inc.

# Pension Estimator Platform

We developed a web platform for the client companies of Rudd & Wisdom Inc. to manage their pension plans. Employees can log in, estimate their benefits, and learn details about their pension plans.

We partnered with Rudd & Wisdom's technical team to integrate the platform into their existing actuarial calculation engine, which is used to provide accurate estimates. Estimate results are displayed in easy-to-use, interactive charts. The site is highly customizable and has been successfully deployed for several large companies in Central Texas.

Running estimates for admin | [logout](#)

**JPS** Centered in Care  
Powered by Pride

[Home](#) [Estimator](#) [Saved Estimates](#)

Step 1. Choose Important Dates    Step 2. Pension Estimate    **Step 3. Total Retirement**

In the boxes below, fill in the information about your other sources of retirement income.

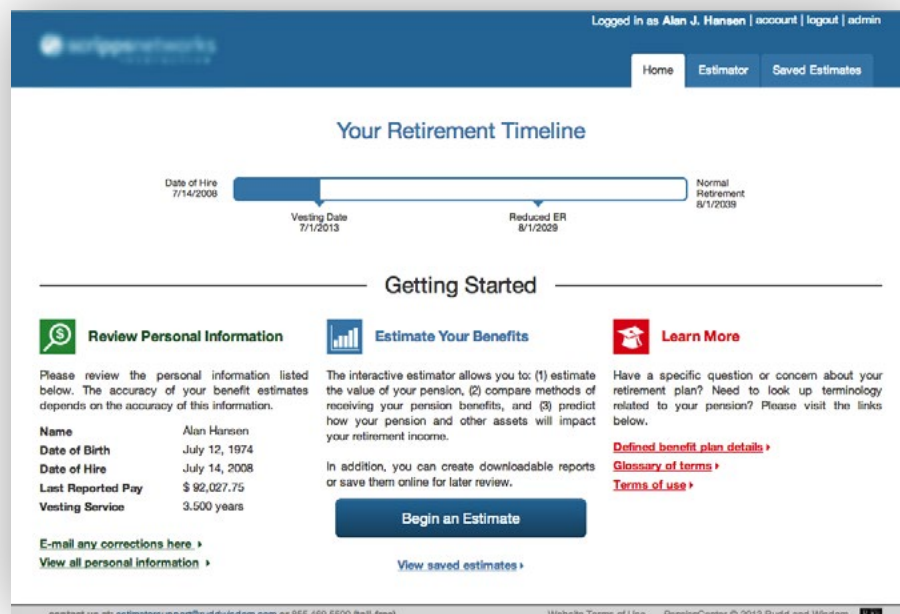
	annual growth %
<b>JPS Defined Benefit Plan</b>	
Monthly Accrued Benefit \$ 35.05	
<b>Social Security Benefit</b>	
Monthly Benefit \$ 1,982.00	
<b>Traditional IRAs</b>	
Balance \$ 50000	3
Annual Contribution \$ 1000	
<b>Roth IRAs</b>	
Balance \$ 90000	4
Annual Contribution \$ 15000	
<b>403b and 457 Plans</b>	
Combined Balance \$ 20000	5
<b>Other Savings</b>	
Balance \$ 60000	6
Annual Contribution \$ 0	


Show values as ☐ dollar amount ☐ % final salary

### Estimated Annual Retirement Income

Annual Retirement Income

Commencement Date





[Logout](#)

## Online Services - Agent Portal

[Client Database](#)
[Account Information](#)
[Documents](#)

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Welcome, Bob Smith

agent@demo.com | last login on 16 Jan 2015

Select Subagent ▾

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### My Client Database

Lookup Policy

Insured Last Name

Policy Number

Note the last name or policy number must be an exact match.

Lookup

Results

Policy Holder	Insured	Policy Number	Face Amount	Status	Action
ANDERSON, MATTHEW	ANDERSON, MATTHEW	100001A	\$60,000.00	3rd Notice	<a href="#">▶ View</a>

Bupa Latin America / Rudd & Wisdom Inc.

# Life Insurance Platform

We developed a web portal for Rudd & Wisdom Inc. that connects with their Windows-based life insurance software. Our portal allows insurance agents and insureds to view detailed information about their policies, download statements, and make online payments.



# Glider

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Lua is a high-level programming language that is often used to develop mobile games. Few good tools exist for programming in Lua, so we built an integrated development environment (IDE) called Glider.

Glider helps developers write fast, error-free programs. It is regarded as the most sophisticated IDE for Lua, and has several thousand active users. At least one hundred apps being sold in the Apple App Store have been written using Glider.



## Apps Made With Glider



[Home](#)
[Quickstart Guide](#)
[Tutorials](#)
[FAQs](#)
[Contact Us](#)
[Pricing](#)
[Download](#)

### The Debugger

- ✓ Debug without any changes to your code.
- ✓ One click debugging.
- ✓ Set and remove breakpoints while app is running.
- ✓ Variables streamed from the debugger are added to autocompletion.

**Breakpoints**

Stop program execution and step through line by line to catch errors and verify behavior.

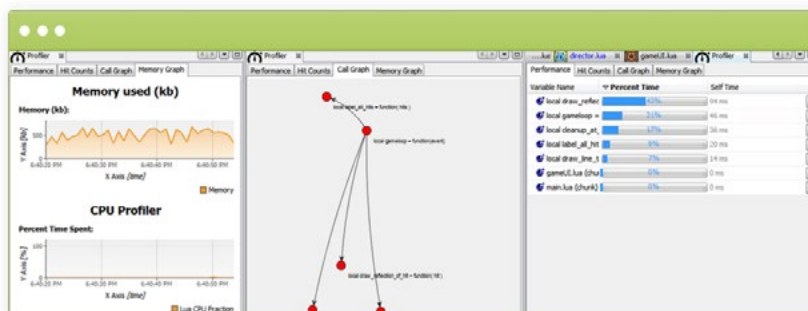
**Jump To**

Just double click on a variable or callstack frame to open it in the editor.

**Variables**

View variables as they appear in the simulator. Also edit and add watches.

## The Profiler



### Realtime Charts

Visualize your code's memory and CPU usage over time. Catch memory leaks and high CPU usage states.



### Call Graph

See how functions talk to eachother to get a birds eye view of which ones are worth optimizing.

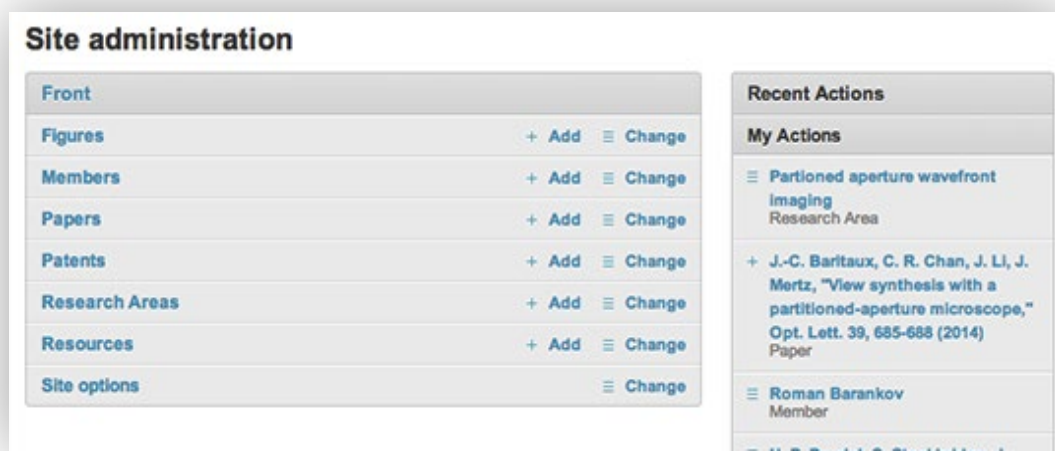


### Performance Chart

Pinpoint exact functions and lines of code that are slowing down your program.

# Labsite Platform

We developed a content management system for research labs so that professors can easily add papers, research areas, and student bios to their site. This helps labs keep their websites up to date, so they can attract better graduate students and post-docs.

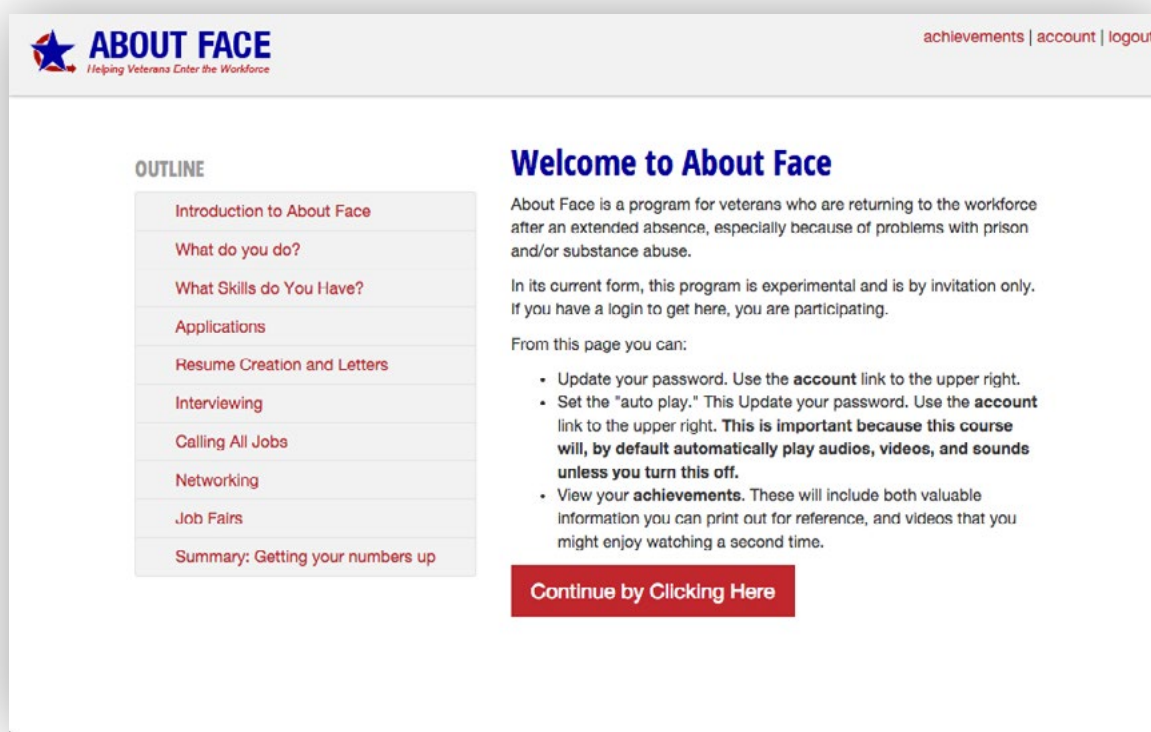


Veteran's Affairs North Texas

# About Face

The Veteran's Affairs North Texas runs a successful educational program for unemployed veterans. They wanted to provide an online version of this program for veterans that were unable to attend in person.

We helped develop an intuitive web application that allows teachers to connect with the veterans through chat, exercises, videos, and interactive slide shows. Our team was in charge of all front end development.



### Items on the don't list

1. Don't smoke, even if the interviewer does and offers you a cigarette.
2. Don't answer with only "yes" or "no". Explain whenever possible.
3. Don't lie. Answer questions truthfully.
4. Don't make unnecessary derogatory remarks about you present or former employer.
5. Don't get deep into politics or controversial issues.
6. Don't inquire about salary, vacations, bonuses, retirement, etc., on the initial interview unless you are sure the employer is interested in hiring you.
7. Don't use slang during your interview.



Hey test dude  
7 months ago

Yes  
7 months ago

hello!  
6 months ago

admin not online

type message here



7:01 / 13:13



Audio Version

Text Version

← Previous

Next →

Below, list five jobs that you have had in the past — not where you worked, but what the job was called and what you did.

### Name your first occupation

Janitor

Great way to follow instructions!

### List three things you did at that job

List 3 things you did

1. Mop floors

2.

3.

Hey test dude  
7 months ago

Yes  
7 months ago

hello!  
6 months ago

admin not online

type message here

Play Again

Auto Play


Next

← Previous

17%

Next →



<div>  <span>Approvals</span> <span>Payroll</span> <span>Management Report</span> <span>User Management</span> <span>Logout</span> </div>					
From	03/30/2015	To	04/13/2015	<div> <span>◀</span> <span>Custom</span> <span>▶</span> </div>	<div> <input type="text" value="Search"/> <input type="button" value="Run"/> </div>
<div> <input type="button" value="Download CSV"/> <input type="button" value="Download PDFs"/> </div>					
Date	Worker	Role	Per Diem	Travel Hour	Total Hours
2015-04-07	Jane Doe	DERRICK		1	11
2015-04-07	Justin Doe	FLOORHAND		1	10
2015-04-07	Jonathan Doe	FLOORHAND		1	10.5
2015-04-07	Jordan Doe	FLOORHAND		1	10.5
2015-04-07	Jacob Doe	DERRICK		1	10.5
2015-04-07	Jr. Doe	OPERATOR		0	0
2015-04-07	Jane Doe	OPERATOR		1	10.5

Locate Systems

# Invoicing Management Platform

Locate Systems provides customized invoicing solutions to companies in the oil and gas industry. We developed a web application that allowed managers to sort, analyze, and comment on usage and labor logs from the field (submitted via a separate mobile app). The site features a full audit-log, beautiful generated pdf reports, a fully functional mobile site, and an email notification system.

# Analyzit

Analyzit provides trucking fleet management tools to companies across the United States. We joined their team further along the development process; even though many of their technologies were new to us, we were able to get up to start contributing to their product within two weeks. We have helped them implement rich email reporting features, custom excel downloads, a new notification system, and many other features. We have also helped rejuvenate several of their core systems.

Below is an example of an automated email report.

Hello,

Please review and confirm the information below. Use the links provided to order materials

## Dallas Equipment Due For Maintenance

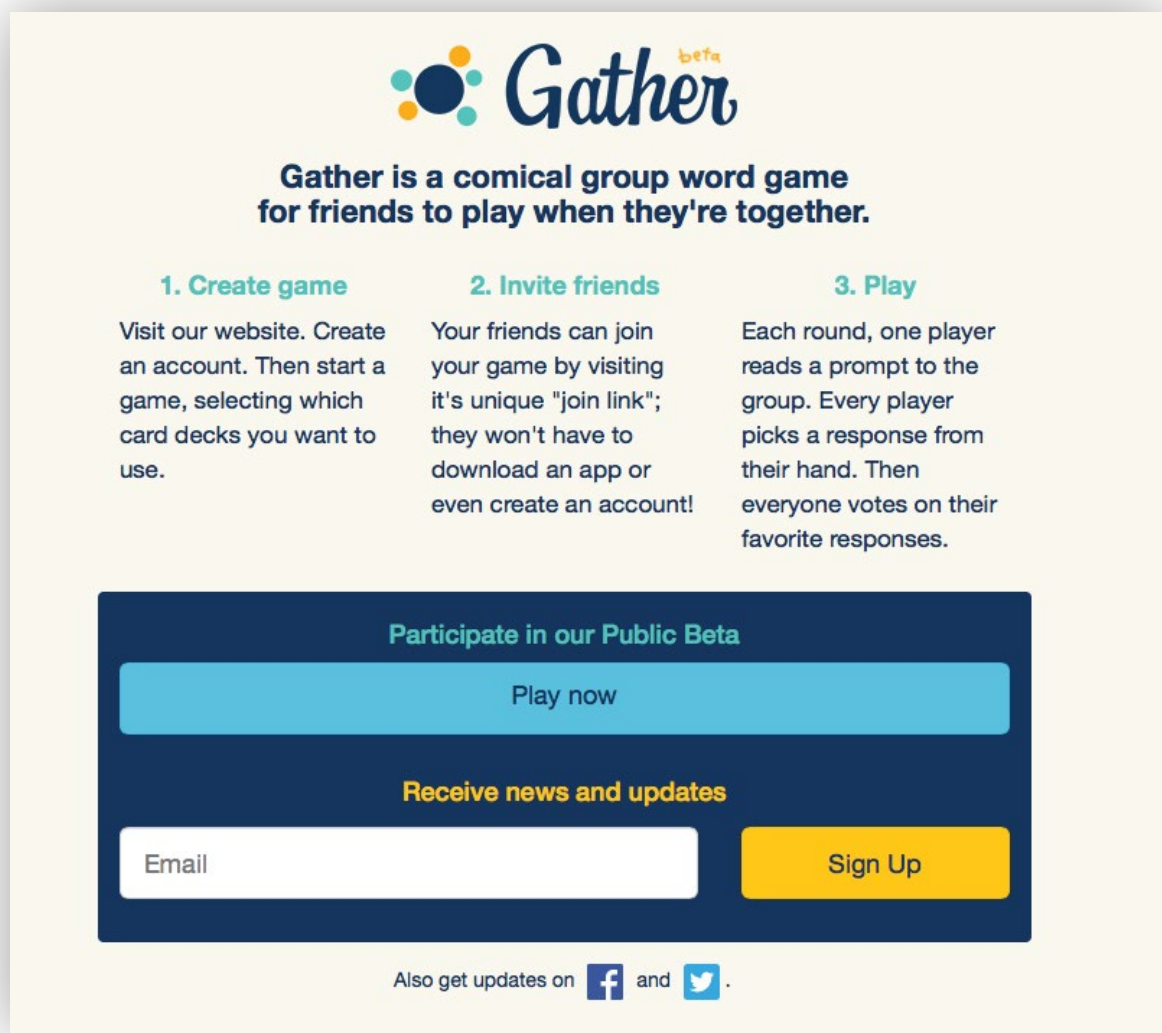
Unit #	Desc.	Due	Type	Gals	Last PM	Oil Sample	Inspection Renewal
3063	1990 Mickey	9/27/2013	Dry		03/31/2013 @ 207945	No Results	Oct '14
5904	2007 Kenworth T300	4/13/2014	Dry	8	01/13/2014 @ 8420	No Results	Jul '14
0203	1991 Stoughton	9/21/2014	Dry			No Results	Sep '14
8730	2007 Chevrolet TrailBlazer	9/8/2014	Dry	1.5	06/10/2014 @ 249734	No Results	Jun '14
6155	2011 Chevrolet Cruze	10/10/2014	Wet	1.5	07/12/2014 @ 64048	No Results	Jul '14
2039	1981 Centennial 20 Bay	1/26/2015	Dry			No Results	Jan '15
8530	2012 Chevrolet Cruze	11/22/2014	Wet	1.5	08/24/2014 @ 39967	No Results	Jan '15
3447	1997 Mickey	3/26/2015	Dry			No Results	Aug '14
9885	2010 Peterbilt 337	1/10/2015	Wet	8	10/12/2014 @ 71321	No Results	Dec '14
3196	1989 Mickey	6/4/2015	Dry			No Results	Mar '14
0757	1988 Hackney	6/4/2015	Dry			No Results	Aug '14
9951	2009 Peterbilt 335	1/14/2016	None	8	10/16/2015 @ 213	No Results	Oct '14
3448	1997 Mickey	Unknown	Dry			No Results	May '15
0420	1989 Hackney 18 Bay	Unknown	Dry			No Results	Aug '14
6338	1992 Utility	Unknown	Dry			No Results	Jan '14

www.gather.gg

# Gather

Gather is a platform for phone games that are played by friends in the same location, much like a board game.

We designed and developed a reusable platform for hosting these games that works well even when players have poor connections. We also developed learning algorithms to help improve game content in response to player actions.









Read this prompt to the group

Sorry, I was daydreaming about \_\_\_\_.

Done Reading



Next round starts in **5**

The winner is **Breezy Calligrapher** with

Las Vegas

Score

Breezy Calligrapher	2	+2
Dizzy Palm Tree	1	+1
Jittery Gunman	0	

Create an account

Email

jdgiese@innolitics.com

Password

\*\*\*\*\*

Lowercase Letter · Uppercase Letter · Number  
Special Character · Long Enough

Start Playing

Back

[Have an account?](#)



## Founding Team

David Giese, MS ~ President

Mitchell Davis, PhD

Andrew Mark, MS

Yujan Shrestha, MD

