GLOC

Great Lakes Oracle Conference

Promote Your Knowledge with the Power of Your Community & Oracle APEX

8:30am MAY 16, 2018

CLEVELAND PUBLIC AUDITORIUM, CLEVELAND, OHIO

WWW.NEOOUG.ORG/GLOC

Promoting Your Knowledge with the Power of your Community & Oracle APEX

knowbase *Unveiling*

Sandro Ferreira

&

SOTFUL®
THOUGHTFUL SOFTWARE & SERVICES

Agenda

- Who am I & About SOTFUL
- Challenges Implementing a SaaS with Oracle APEX
- Success Stories
- Brainstorming Time / Current Situation
- Knowbase Unveiling
- References for Developing with Oracle APEX

Who Am I

Oracle APEX Developer/Architect & Founder at SOTFUL. Working as an Oracle Consultant since 1999 and on several Oracle APEX projects. Passionate about RAD, Low Code products and building innovative business applications.

Sandro Ferreira

SOTFUL®
THOUGHTFUL SOFTWARE & SERVICES

Who We Are

Team of APEX Experts

1 Full Time + 2 Freelancers + Partners

Efficient Tools for Working Remotely and on Flexible Schedule

Our Software Main Values and Goals

Deep Thought, Creativity and Attention to Detail

Simplicity and Usability

Enhance and Leverage Collaboration

THOUGHTFUL

SOFTWARE THOUGHTFUL

SO TFUL

SO TFUL

SOTFUL®

THOUGHTFUL SOFTWARE & SERVICES

Challenges Implementing a SaaS with ORACLE APEX

- Could Offerings
- Sign Up & Reset Password Process
- Version Control & Folder Organization
- One Developer per Page Approach
- Dynamic Content
- Global Search
- User Owning Their Data
- Adding Content Through Browser Plugin

Cloud Offerings

maxapex

Shared Hosting & Dedicated Hosting

From $14/month to $300/month

- Non-Metered
- Oracle Database Express Edition 11g Release 2
- Standard Full Access to Server
    - SQL Developer Access
    - OS Linux Access

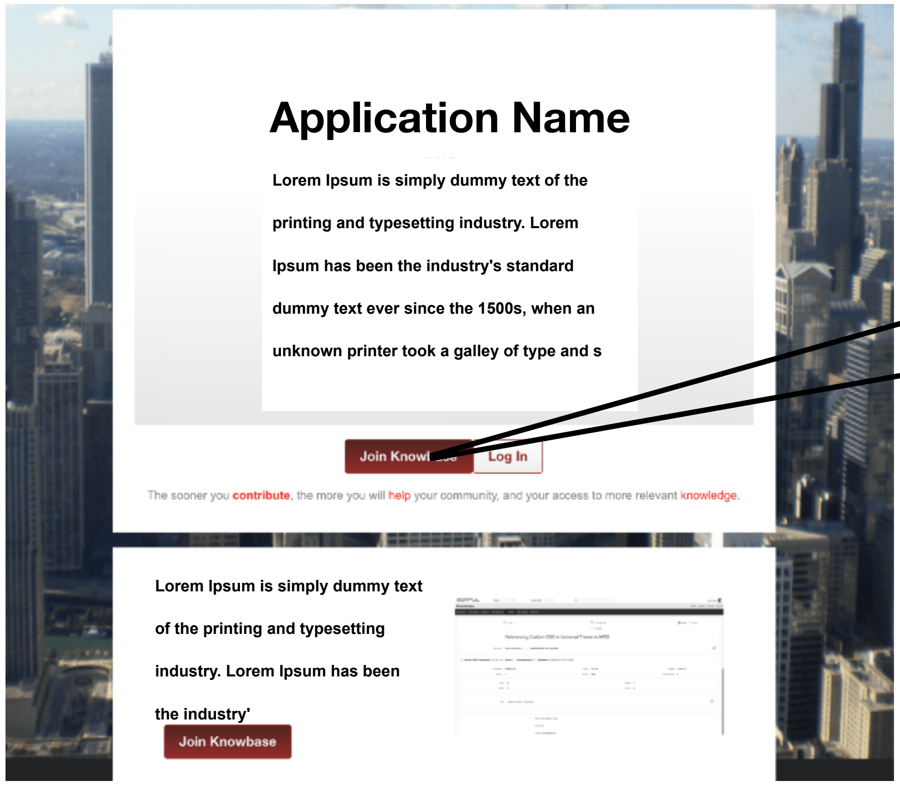
ORACLE Cloud

Exadata Express X20

$175/month

- Non-Metered
- Oracle Database Enterprise Edition
- SQL Developer Access
- Running on Exadata
- Vanity URL

Sign Up & Reset Password



Application Name

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and s

Join Knowbase
Log In

The sooner you **contribute**, the more you will **help** your community, and your access to more relevant **knowledge**.

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry'

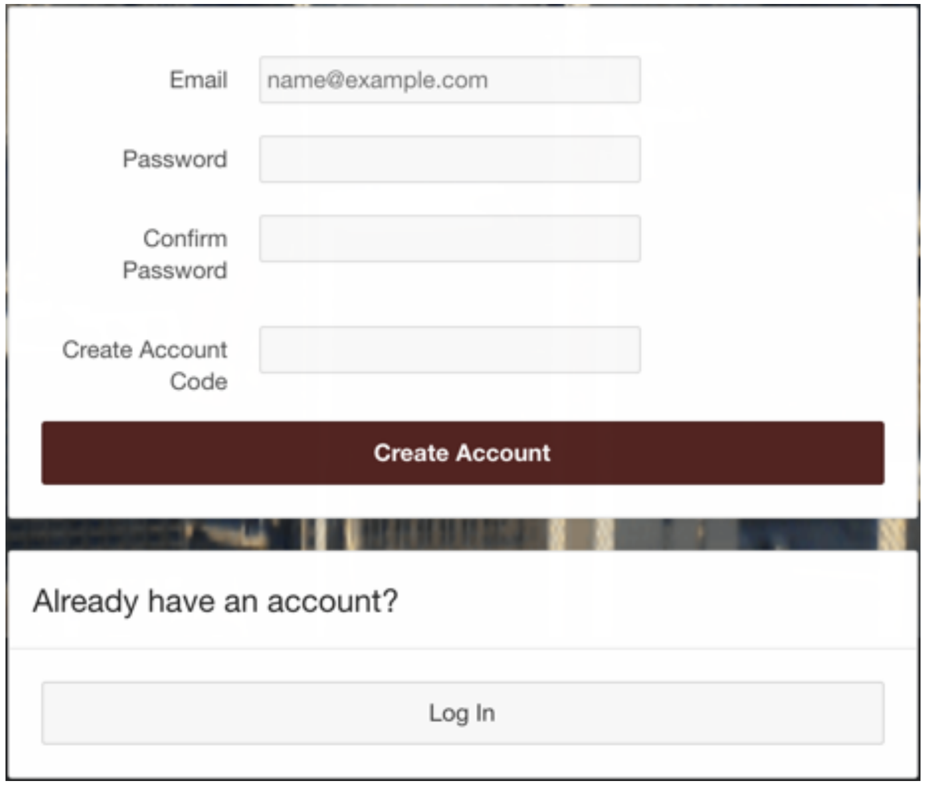
Join Knowbase

Landing Page

Join Knowbase
Log In

Log In
& Forget Password

Sign Up

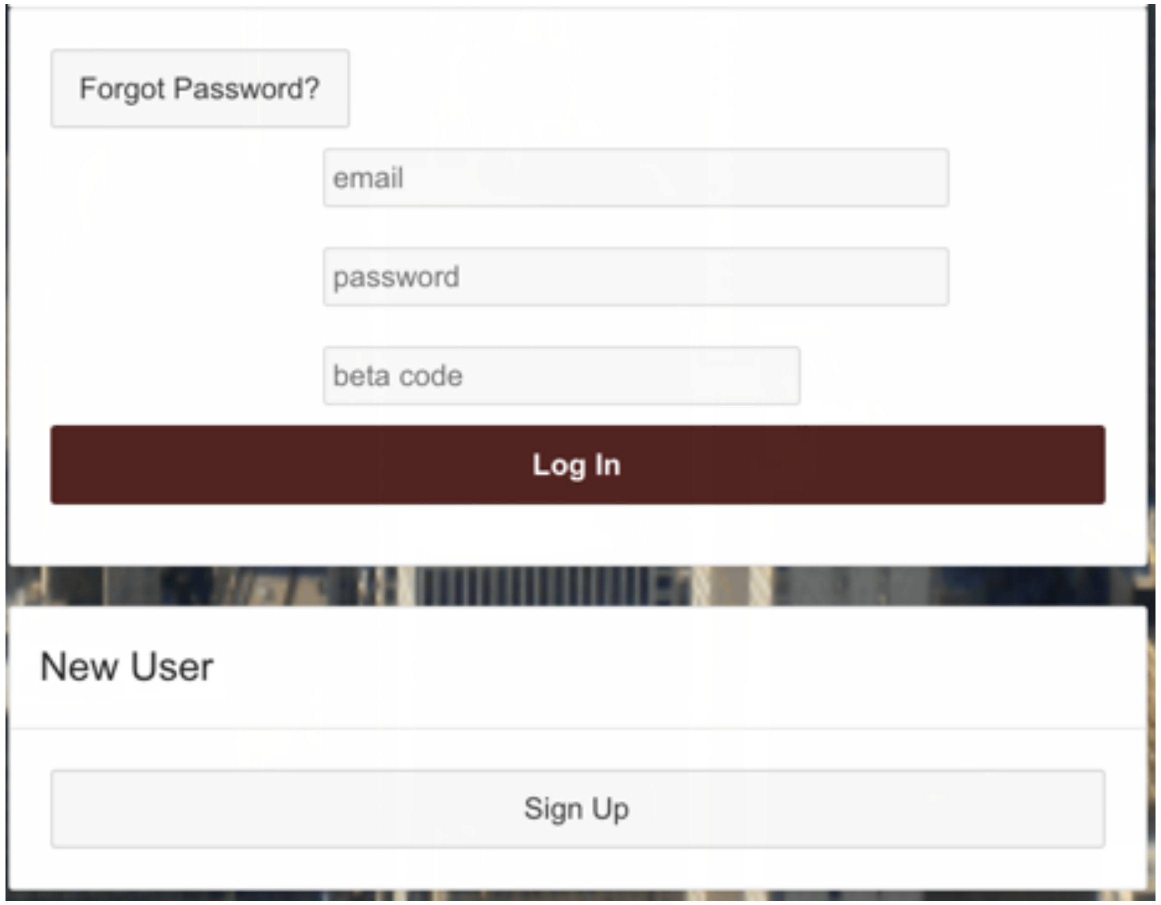


Email	name@example.com
Password	
Confirm Password	
Create Account Code	

Create Account

Already have an account?

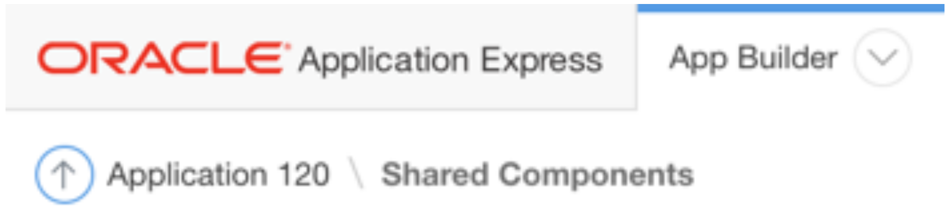
Log In

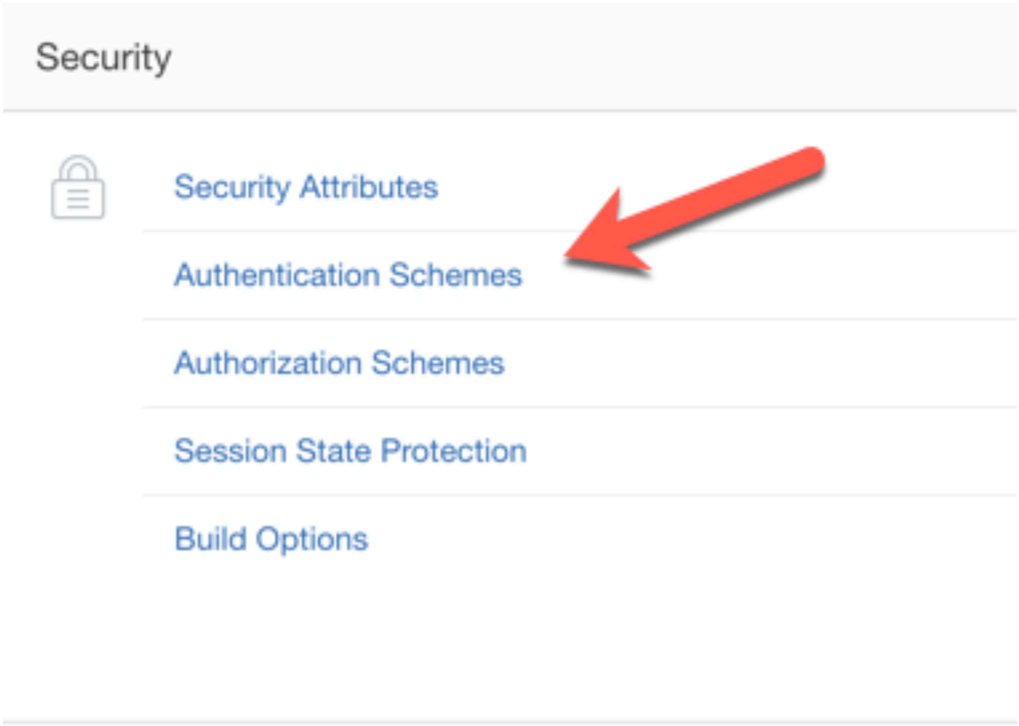

Forgot Password?
email
password
beta code
Log In

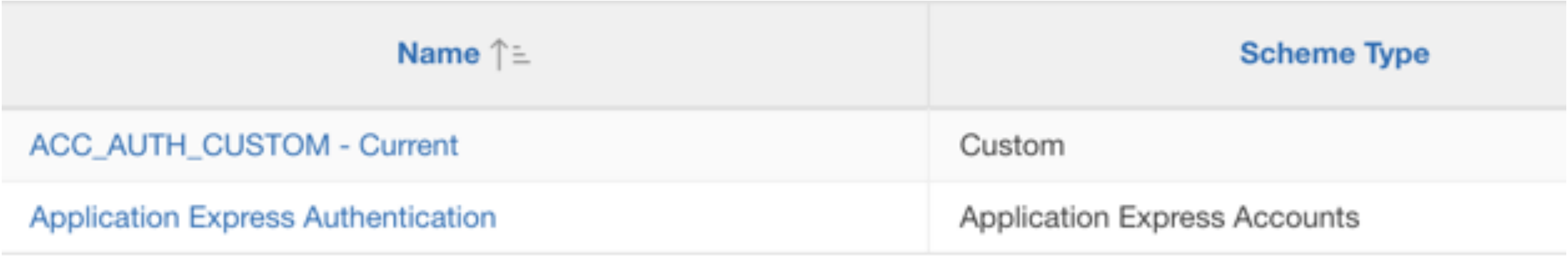
New User

Sign Up

Sign Up & Reset Password

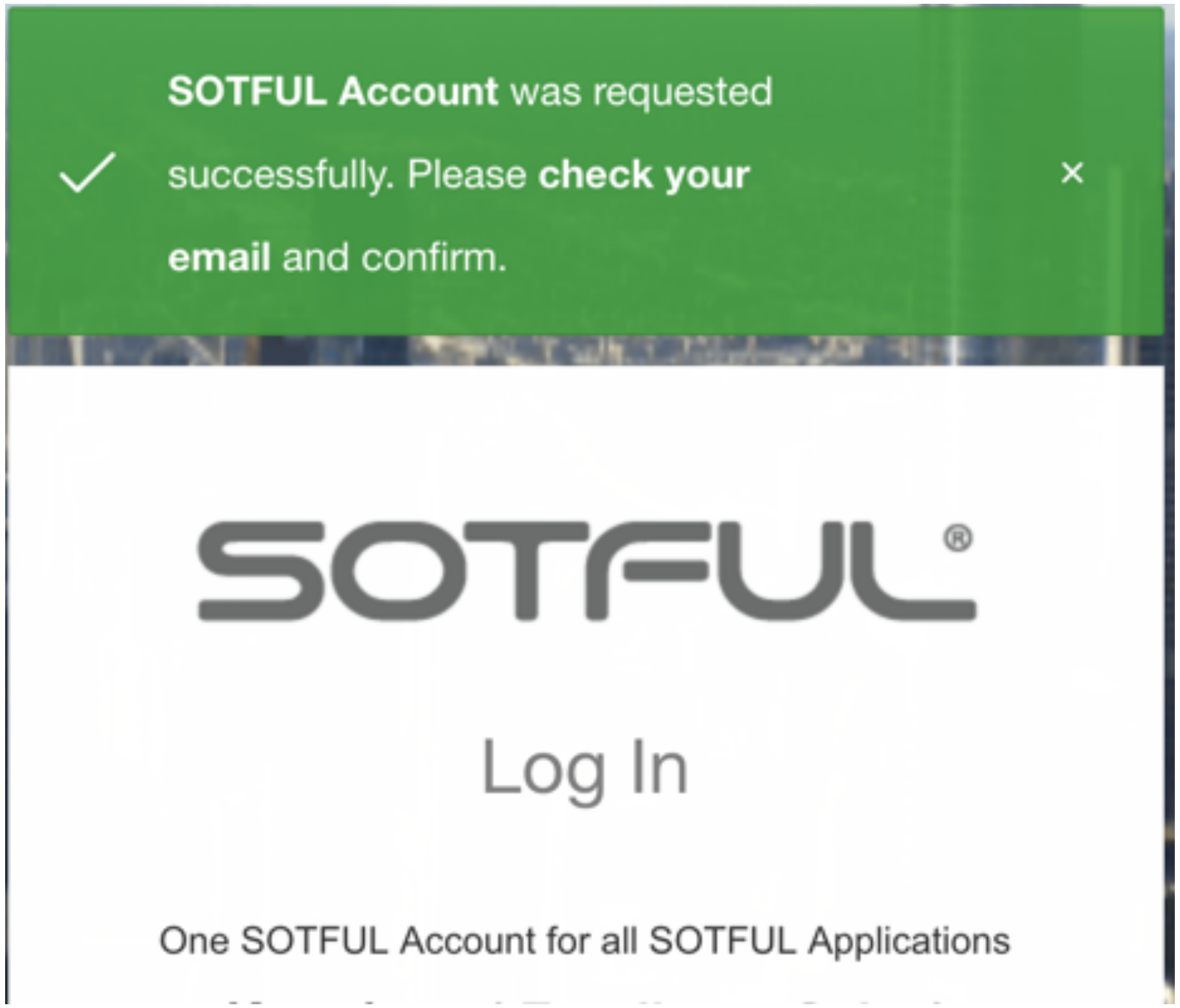

ORACLE Application Express
App Builder
Application 120
Shared Components


Security
Security Attributes
Authentication Schemes
Authorization Schemes
Session State Protection
Build Options



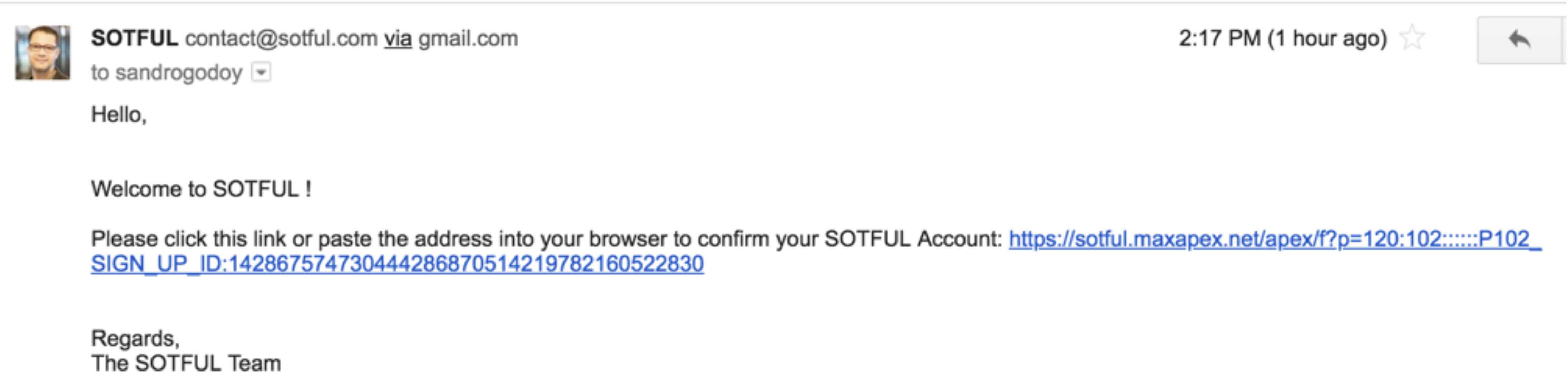
Name	Scheme Type
ACC_AUTH_CUSTOM - Current	Custom
Application Express Authentication	Application Express Accounts

Sign Up & Reset Password



SOTFUL Account was requested successfully. Please **check your email** and confirm.

One SOTFUL Account for all SOTFUL Applications



Confirm SOTFUL Account

SOTFUL contact@sotful.com via gmail.com
to sandrogodoy

Hello,

Welcome to SOTFUL !

Please click this link or paste the address into your browser to confirm your SOTFUL Account: https://sotful.maxapex.net/apex/f?p=120:102:::::P102_SIGN_UP_ID:14286757473044428687051421978216052830

Regards,
The SOTFUL Team

Version Control

- Using Subversion in the Cloud.
- SVN Standalone Clients in addition to SQL Developer for backend and Brackets for frontend.
  - Xversion - Mac
  - Tortoise - Windows

Xversion

SVN | Subversion Client for Mac

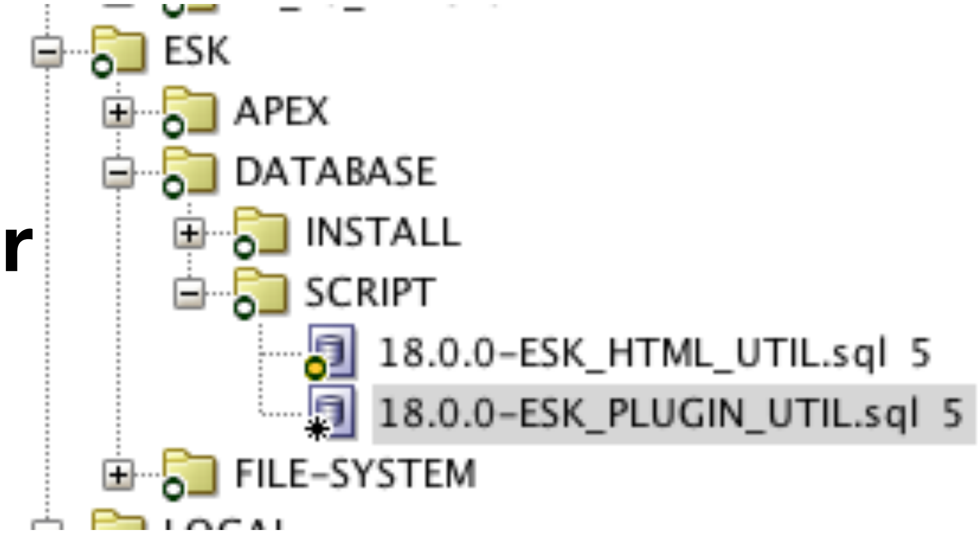
ikoder.com

TortoiseSVN

tortoisesvn.net

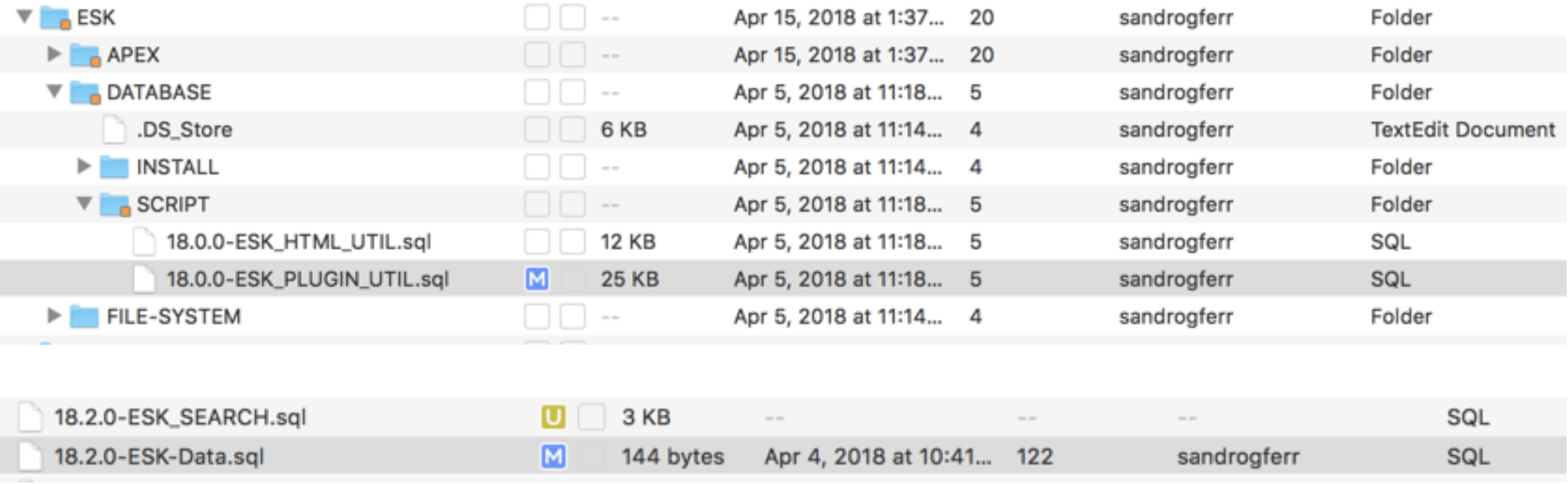
Version Control

SQL Developer



- ESK
  - APEX
  - DATABASE
    - INSTALL
    - SCRIPT
      - 18.0.0-ESK_HTML_UTIL.sql 5
      - 18.0.0-ESK_PLUGIN_UTIL.sql 5
  - FILE-SYSTEM

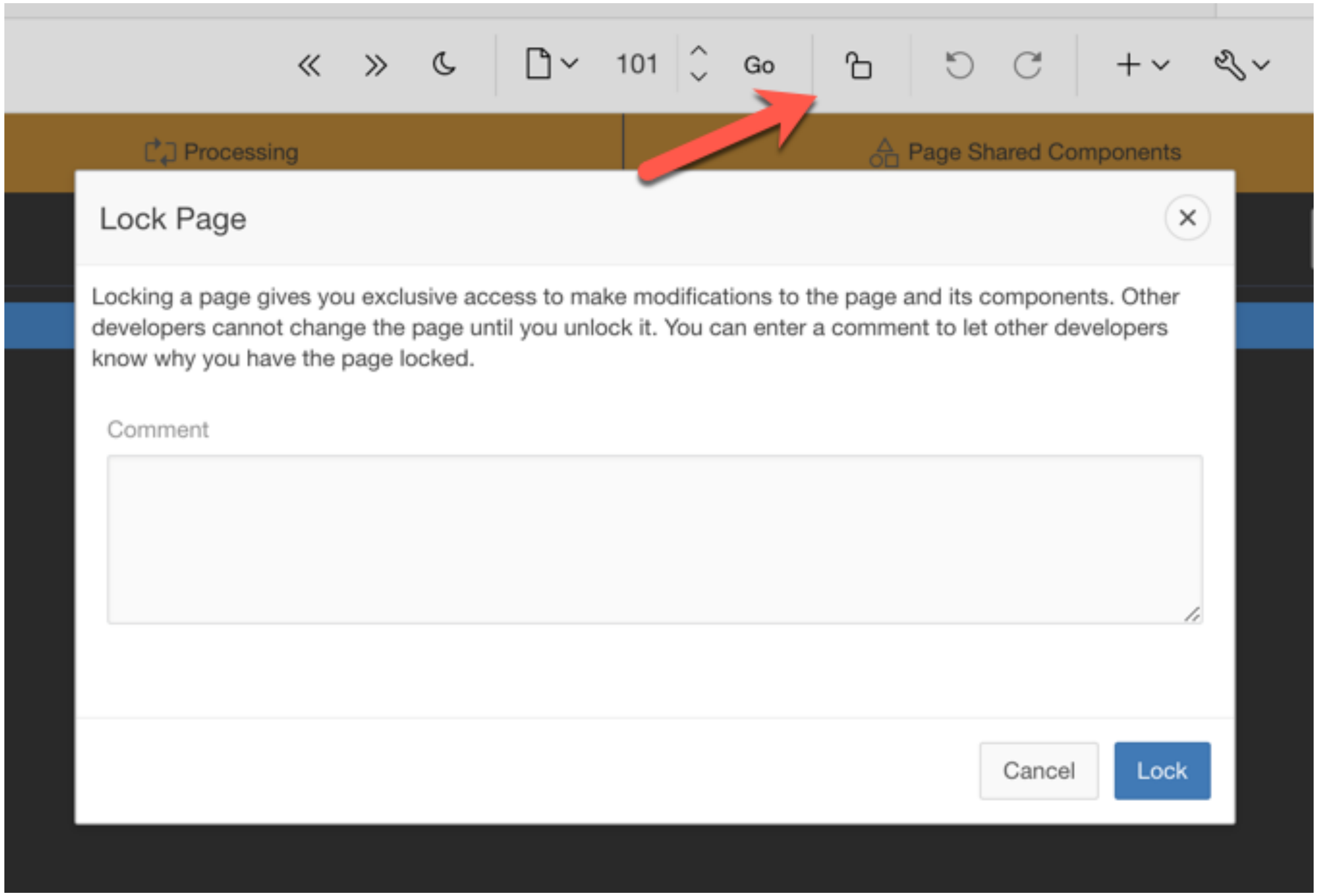
Xversion



ESK	☐	☐	--	Apr 15, 2018 at 1:37...	20	sandrogferr	Folder
APEX	☐	☐	--	Apr 15, 2018 at 1:37...	20	sandrogferr	Folder
DATABASE	☐	☐	--	Apr 5, 2018 at 11:18...	5	sandrogferr	Folder
.DS_Store	☐	☐	6 KB	Apr 5, 2018 at 11:14...	4	sandrogferr	TextEdit Document
INSTALL	☐	☐	--	Apr 5, 2018 at 11:14...	4	sandrogferr	Folder
SCRIPT	☐	☐	--	Apr 5, 2018 at 11:18...	5	sandrogferr	Folder
18.0.0-ESK_HTML_UTIL.sql	☐	☐	12 KB	Apr 5, 2018 at 11:18...	5	sandrogferr	SQL
18.0.0-ESK_PLUGIN_UTIL.sql	M	☐	25 KB	Apr 5, 2018 at 11:18...	5	sandrogferr	SQL
FILE-SYSTEM	☐	☐	--	Apr 5, 2018 at 11:14...	4	sandrogferr	Folder

18.2.0-ESK_SEARCH.sql	U	☐	3 KB	--	--	--	SQL
18.2.0-ESK-Data.sql	M	☐	144 bytes	Apr 4, 2018 at 10:41...	122	sandrogferr	SQL

One Developer per Page Approach


101
Go
Processing
Page Shared Components

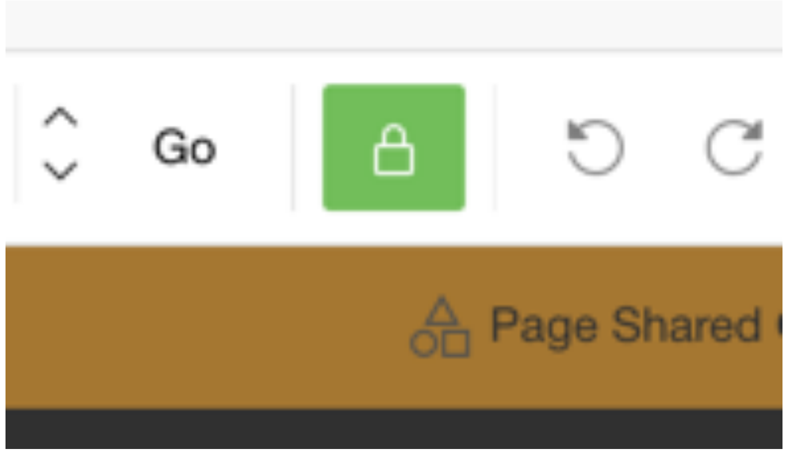
Lock Page

Locking a page gives you exclusive access to make modifications to the page and its components. Other developers cannot change the page until you unlock it. You can enter a comment to let other developers know why you have the page locked.

Comment
Cancel
Lock

APEX Developer

- Locks the page before development
- Unlocks the page after development

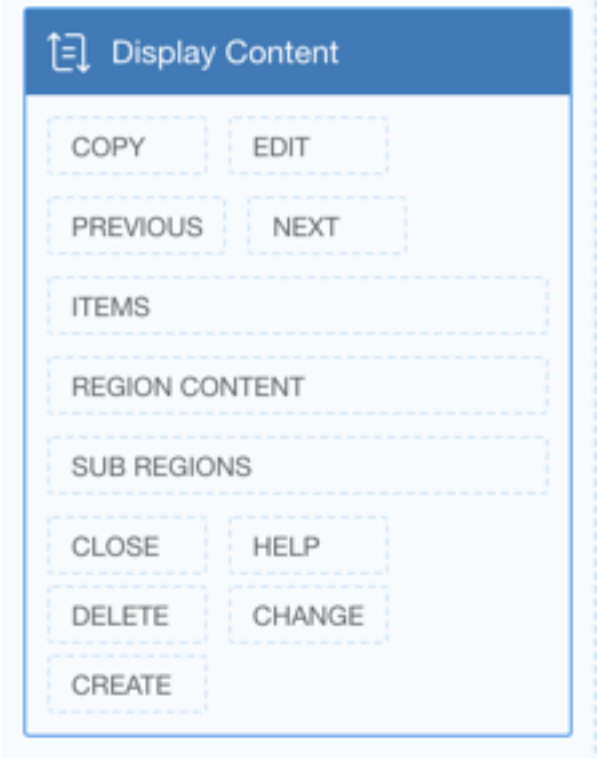

Go
Page Shared

Specific Database Objects Created/Named Per Page

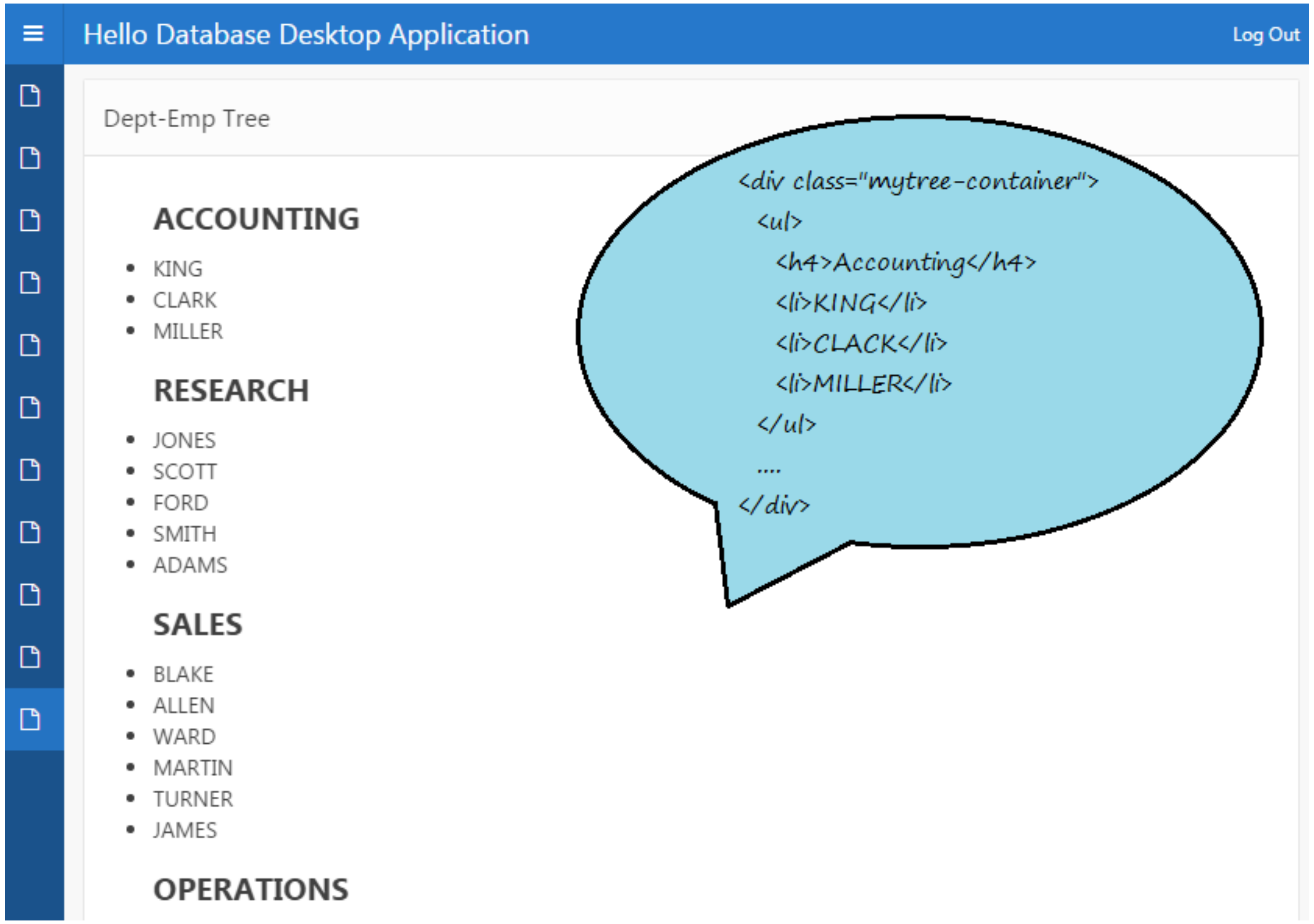
- Views
- Procedure/Functions

Dynamic Content

Gives you all the flexibility needed to create your custom HTML, CSS, JavaScript.


Display Content
COPY
EDIT
PREVIOUS
NEXT
ITEMS
REGION CONTENT
SUB REGIONS
CLOSE
HELP
DELETE
CHANGE
CREATE

htp.p(‘<div>….</div>’);


Hello Database Desktop Application
Log Out

Dept-Emp Tree

ACCOUNTING

- KING
- CLARK
- MILLER

RESEARCH

- JONES
- SCOTT
- FORD
- SMITH
- ADAMS

SALES

- BLAKE
- ALLEN
- WARD
- MARTIN
- TURNER
- JAMES

OPERATIONS

```
<div class="mytree-container">
 <ul>
   <h4>Accounting</h4>
   <li>KING</li>
   <li>CLACK</li>
   <li>MILLER</li>
 </ul>
 ....
</div>
```

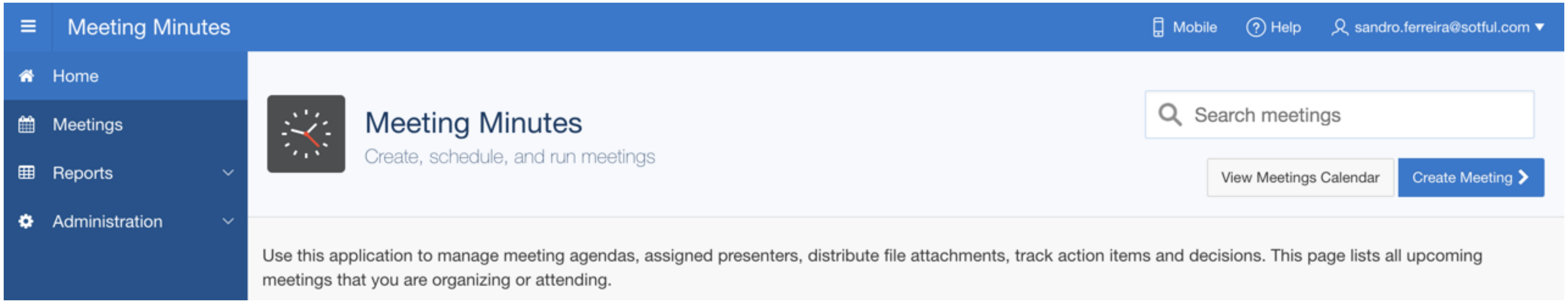
Another great approach is to use Custom Report Template if you have a "structured rows design" to be displayed.

Great Presentation about it tomorrow at 2:45pm by Jorge Rimblas

Global Search

Creating a Region and Search Field in Page 0

Meeting Minutes Packaged Application



Meeting Minutes
Mobile
Help
sandro.ferreira@sotful.com
Home
Meetings
Reports
Administration
Meeting Minutes
Create, schedule, and run meetings
Search meetings
View Meetings Calendar
Create Meeting

Use this application to manage meeting agendas, assigned presenters, distribute file attachments, track action items and decisions. This page lists all upcoming meetings that you are organizing or attending.

Universal Theme Responsive Design

work just as well on small screen devices (phones, tablet) as it does on larger screen devices (laptops, desktops)

User Owning Their Data

1- HTTPS as a requirement.

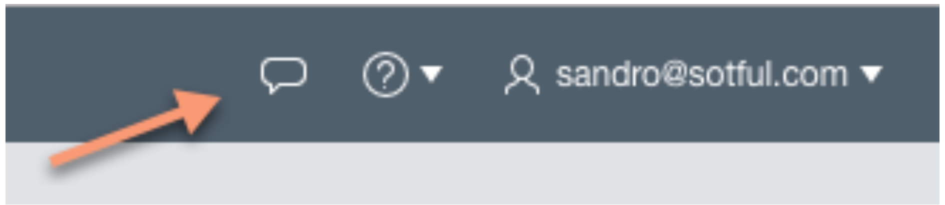
2- Developing with security in mind.

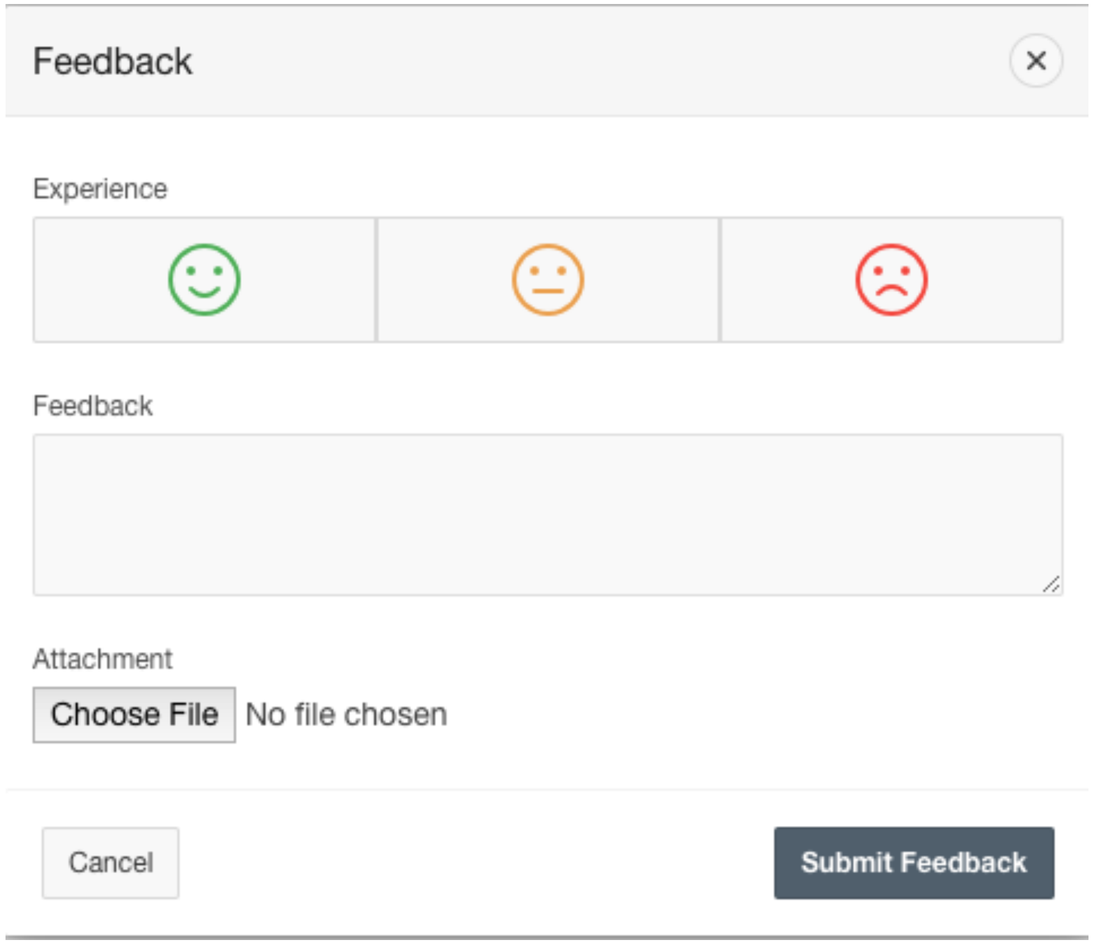
3- Encrypting the data before Inserting/Updating
it on the Database Tables.

4- Data with visibility set to Private for Users or Companies
Encrypted in the client Browser
End-to-End Encryption.

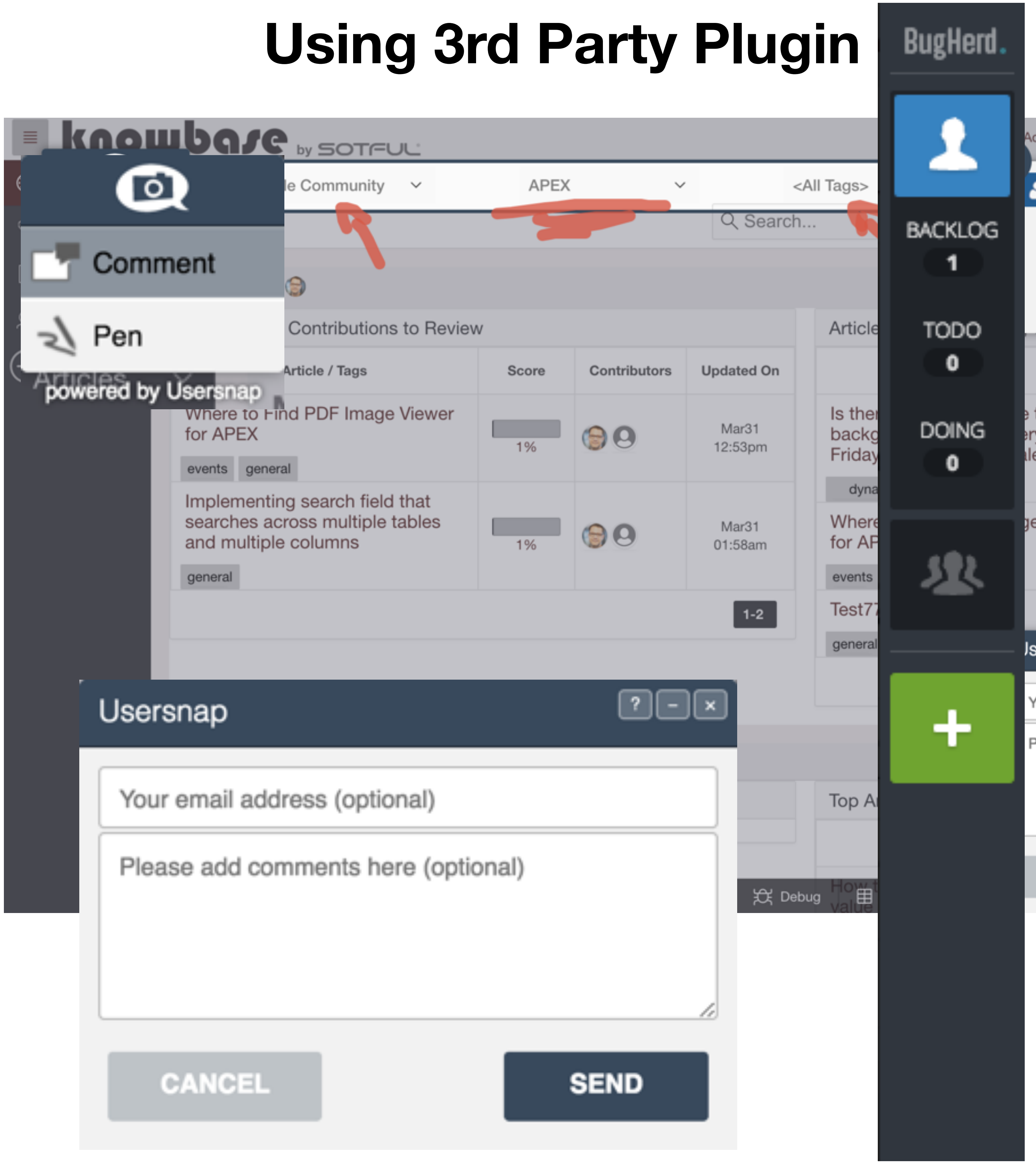
Capturing User Feedback

Enabling Standard or BluePrint Feedback


sandro@sotful.com


Feedback
Experience
Feedback
Attachment
Choose File
No file chosen
Cancel
Submit Feedback

Using 3rd Party Plugin


knowbase by SOTFUL
Comment
Pen
powered by Usersnap
Community
APEX
<All Tags>
Search...
Contributions to Review
Article / Tags
Score
Contributors
Updated On
Where to Find PDF Image Viewer for APEX
events
general
1%
Mar31 12:53pm
Implementing search field that searches across multiple tables and multiple columns
general
1%
Mar31 01:58am
1-2
Usersnap
Your email address (optional)
Please add comments here (optional)
CANCEL
SEND
Debug
BugHerd.
BACKLOG
1
TODO
0
DOING
0

APEX Success Stories

- Successfully and extensively used internally at Oracle.
- Largely used inside corporations. APEX demand keeps growing.
- Has all the flexibility to implement a mainstream public & modern business web application.
- With creativity, collaborative work, Oracle APEX, and with your engagement, **SOTFUL** will provide innovative business solutions.
- **Knowbase** is the first and most important of the **SOTFUL** SaaS applications.

APEX Public Applications

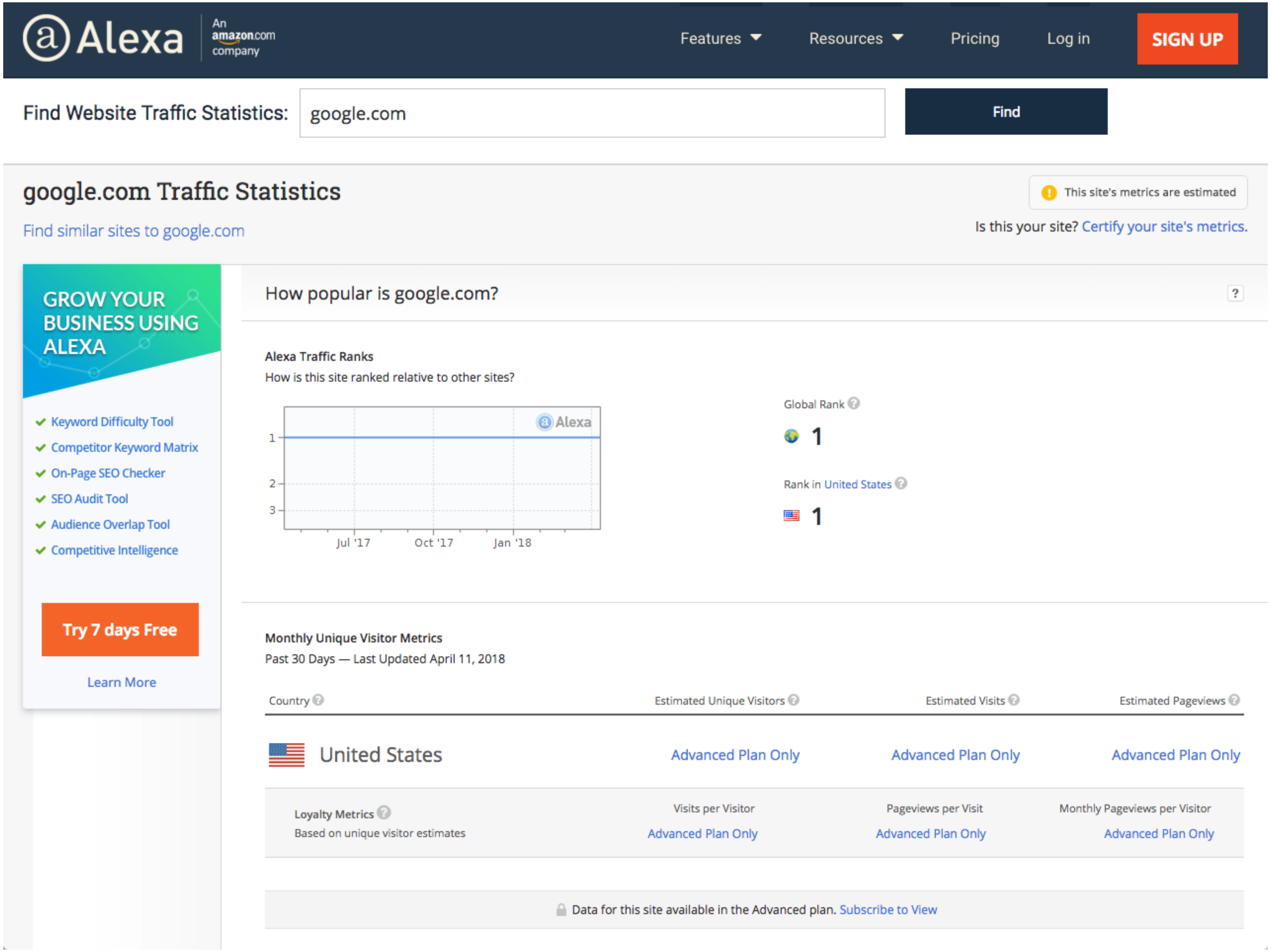
AskTOM
Oracle Learning Network
Oracle Store

Alexa Site Rank

Website	APEX	Global Rank	Best Rank in	Country
Google		1	1	United States
Twitter		12	8	United States
LinkedIn		30	12	United States
stackoverflow		64	35	United States
w3schools		184	178	United States
oracle	✓	381	307	United States
techonthenet.com		7769	4178	United States
utah.gov	✓	10,100	1,942	United States
apex.world	✓	1,538,444	32,447	Bangladesh
watertoolbox.us	✓	7,316,190	No Data	No Data
carecaller.co.uk	✓	No Data	No Data	No Data

Data from Apr-12-2018

google.com



Alexa
An amazon.com company
Features
Resources
Pricing
Log in
SIGN UP

Find Website Traffic Statistics: google.com

Find

google.com Traffic Statistics

Find similar sites to google.com

This site's metrics are estimated

Is this your site? Certify your site's metrics.

GROW YOUR BUSINESS USING ALEXA

- ✓ Keyword Difficulty Tool
- ✓ Competitor Keyword Matrix
- ✓ On-Page SEO Checker
- ✓ SEO Audit Tool
- ✓ Audience Overlap Tool
- ✓ Competitive Intelligence

Try 7 days Free
Learn More

How popular is google.com?

Alexa Traffic Ranks

How is this site ranked relative to other sites?

Alexa
1
2
3
Jul '17
Oct '17
Jan '18

Global Rank

1

Rank in United States

1

Monthly Unique Visitor Metrics

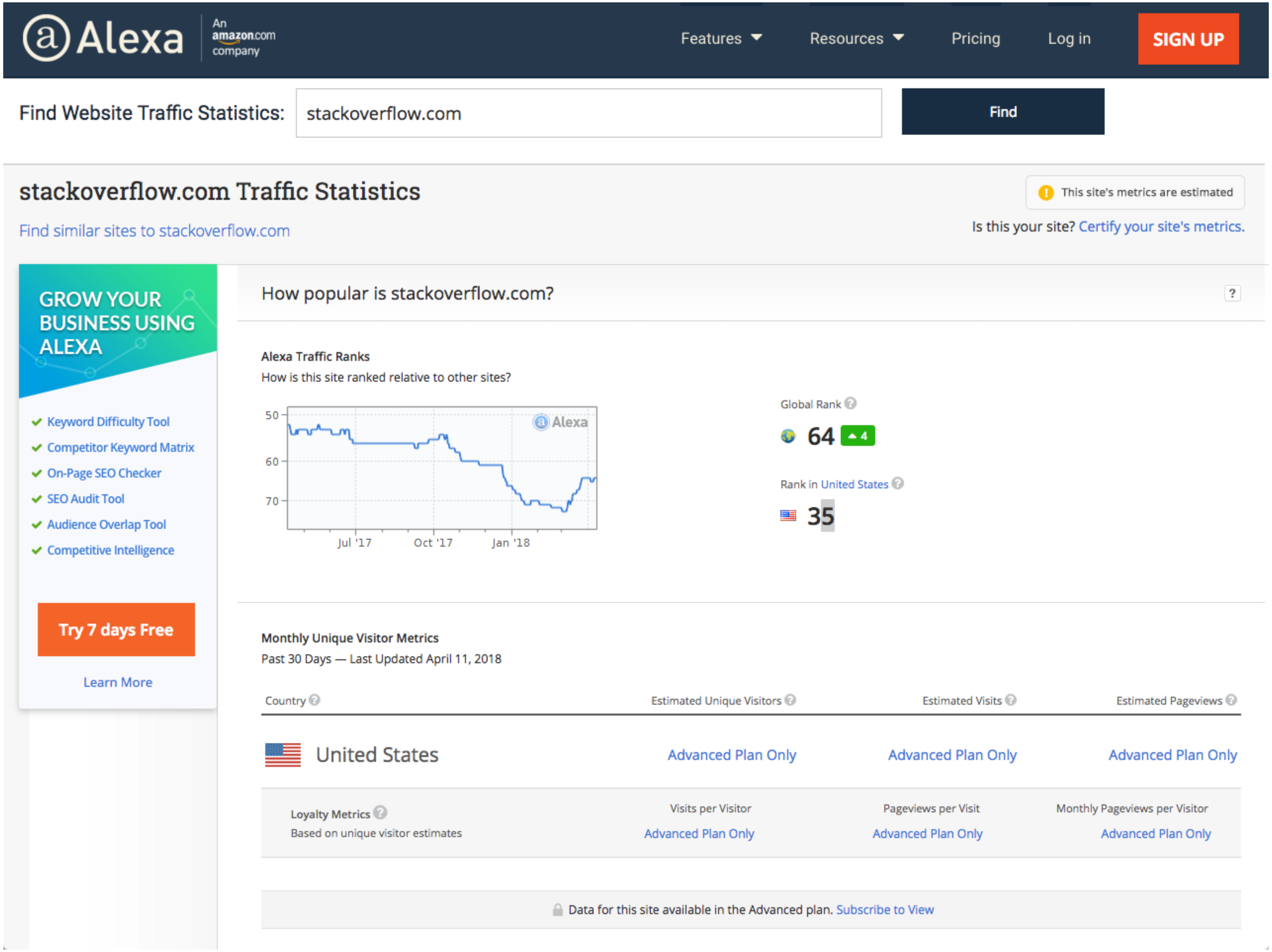
Past 30 Days — Last Updated April 11, 2018

Country	Estimated Unique Visitors	Estimated Visits	Estimated Pageviews
United States	Advanced Plan Only	Advanced Plan Only	Advanced Plan Only

Loyalty Metrics Based on unique visitor estimates	Visits per Visitor	Pageviews per Visit	Monthly Pageviews per Visitor
	Advanced Plan Only	Advanced Plan Only	Advanced Plan Only

Data for this site available in the Advanced plan. Subscribe to View

stackoverflow.com


Alexa
An amazon.com company
Features
Resources
Pricing
Log in
SIGN UP
Find
GROW YOUR BUSINESS USING ALEXA
Try 7 days Free
Learn More
50
60
70
Jul '17
Oct '17
Jan '18
Alexa

Find Website Traffic Statistics: stackoverflow.com

stackoverflow.com Traffic Statistics

Find similar sites to stackoverflow.com

This site's metrics are estimated

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How popular is stackoverflow.com?

Alexa Traffic Ranks

How is this site ranked relative to other sites?

Global Rank

64 ▲4

Rank in United States

35

Monthly Unique Visitor Metrics

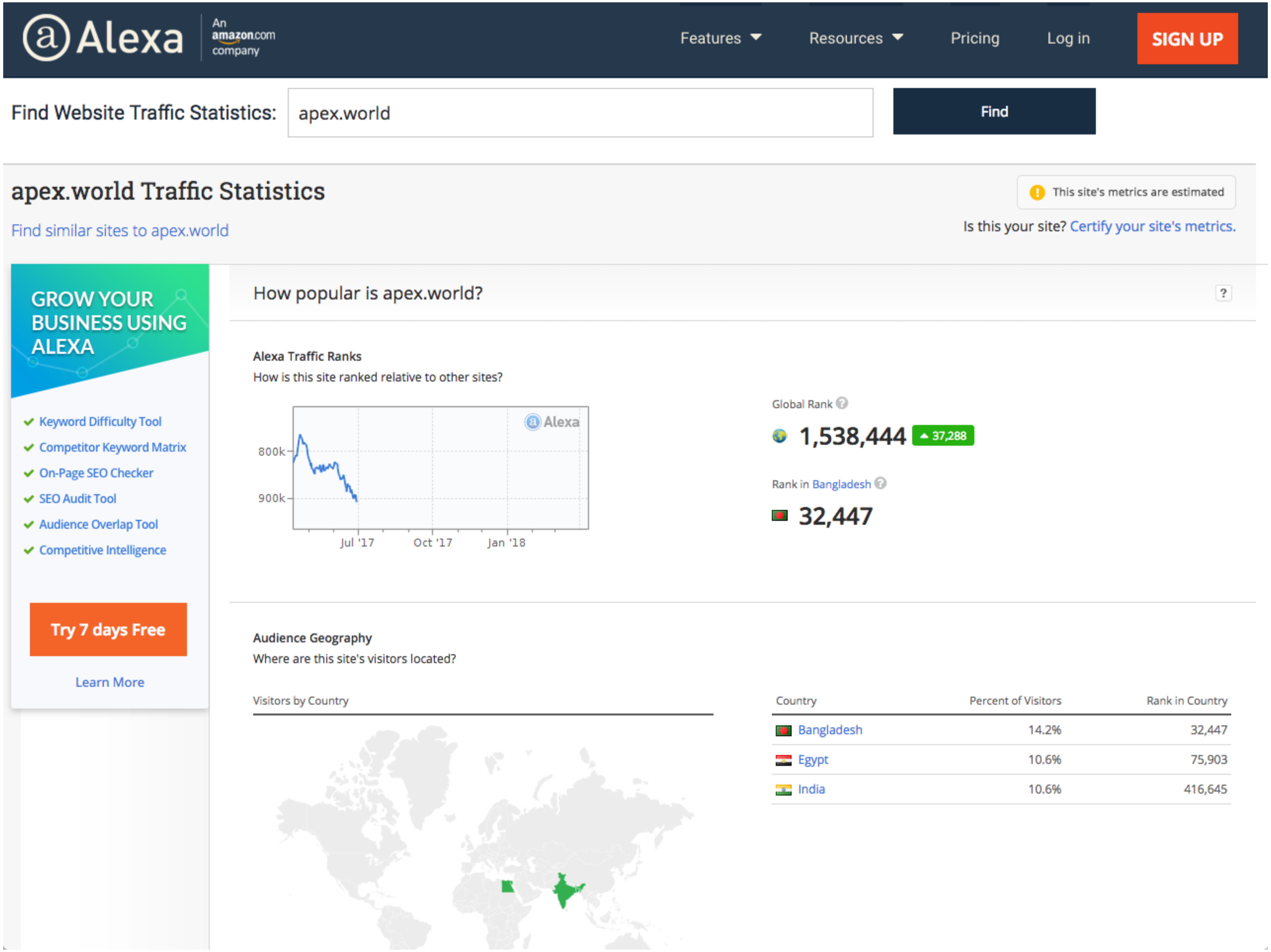
Past 30 Days — Last Updated April 11, 2018

Country	Estimated Unique Visitors	Estimated Visits	Estimated Pageviews
United States	Advanced Plan Only	Advanced Plan Only	Advanced Plan Only

Loyalty Metrics Based on unique visitor estimates	Visits per Visitor	Pageviews per Visit	Monthly Pageviews per Visitor
	Advanced Plan Only	Advanced Plan Only	Advanced Plan Only

Data for this site available in the Advanced plan. Subscribe to View

apex.world


Alexa
An amazon.com company
Features
Resources
Pricing
Log in
SIGN UP
Find
800k
900k
Jul '17
Oct '17
Jan '18
Alexa
GROW YOUR BUSINESS USING ALEXA
Try 7 days Free
Learn More

Find Website Traffic Statistics: apex.world

apex.world Traffic Statistics

Find similar sites to apex.world

This site's metrics are estimated

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- ✓ Competitor Keyword Matrix
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- ✓ SEO Audit Tool
- ✓ Audience Overlap Tool
- ✓ Competitive Intelligence

How popular is apex.world?

Alexa Traffic Ranks

How is this site ranked relative to other sites?

Global Rank

1,538,444 ▲ 37,288

Rank in Bangladesh

32,447

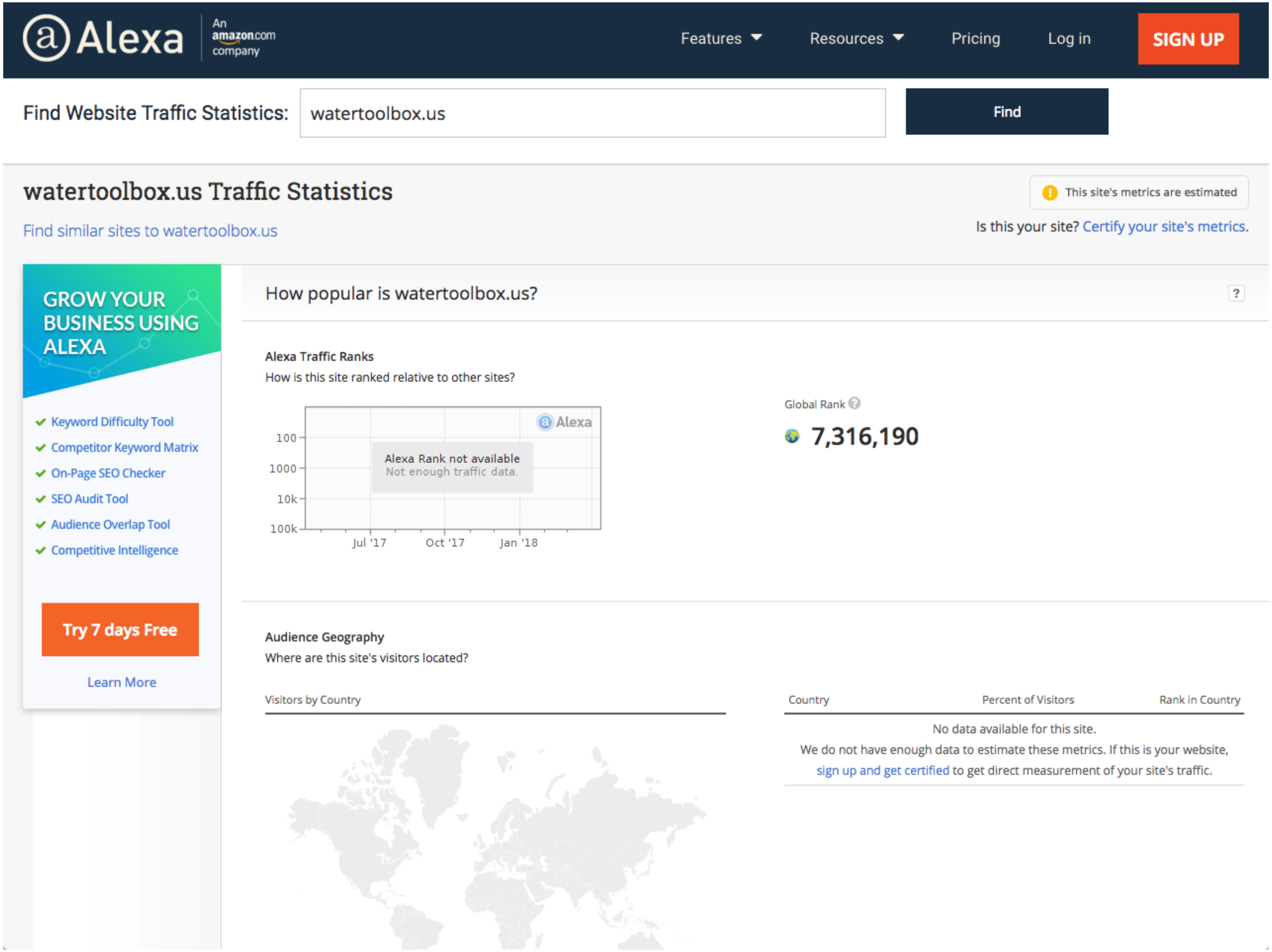
Audience Geography

Where are this site's visitors located?

Visitors by Country

Country	Percent of Visitors	Rank in Country
Bangladesh	14.2%	32,447
Egypt	10.6%	75,903
India	10.6%	416,645

watertoolbox.us



Alexa
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Pricing
Log in
SIGN UP
Find
100
1000
10k
100k
Jul '17
Oct '17
Jan '18
Alexa
?
Try 7 days Free
Learn More

Find Website Traffic Statistics: watertoolbox.us

watertoolbox.us Traffic Statistics

Find similar sites to watertoolbox.us

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- ✓ Competitor Keyword Matrix
- ✓ On-Page SEO Checker
- ✓ SEO Audit Tool
- ✓ Audience Overlap Tool
- ✓ Competitive Intelligence

How popular is watertoolbox.us?

Alexa Traffic Ranks

How is this site ranked relative to other sites?

Alexa Rank not available
Not enough traffic data.

Global Rank

7,316,190

Audience Geography

Where are this site's visitors located?

Visitors by Country

Country	Percent of Visitors	Rank in Country

No data available for this site.

We do not have enough data to estimate these metrics. If this is your website, sign up and get certified to get direct measurement of your site's traffic.

Brainstorming Time

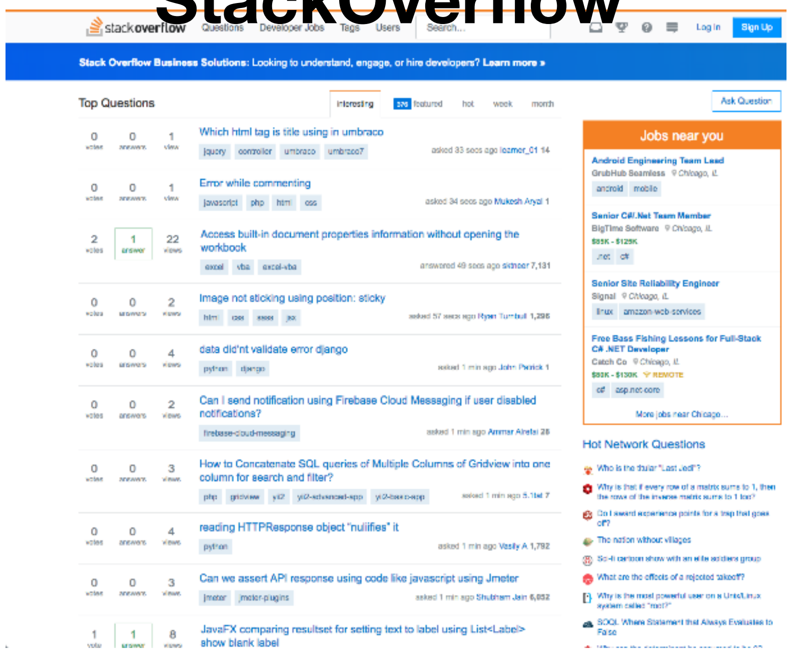
Thoughtful

Who would like?

- Single place to find all the main Blogs, Articles, Q&As and Links about a certain Subject.
- Find the highly rated solution quicker, having easy access the similar ones.
- Your blogs to be more utilized and recognized.
- Better measure the relevance of your blog posts and other blogs from your community, instead of relying solely on limited comments at the bottom.
- APEX to have a mainstream web application massively used and promoting APEX as a technology.

Current Situation

StackOverflow



Stack Overflow Business Solutions: Looking to understand, engage, or hire developers? Learn more »

Top Questions

Which html tag is title using in umbraco

Error while commenting

Access built-in document properties information without opening the workbook

Image not sticking using position: sticky

data did'nt validate error django

Can I send notification using Firebase Cloud Messaging if user disabled notifications?

How to Concatenate SQL queries of Multiple Columns of Gridview into one column for search and filter?

reading HTTPResponse object "nullifies" it

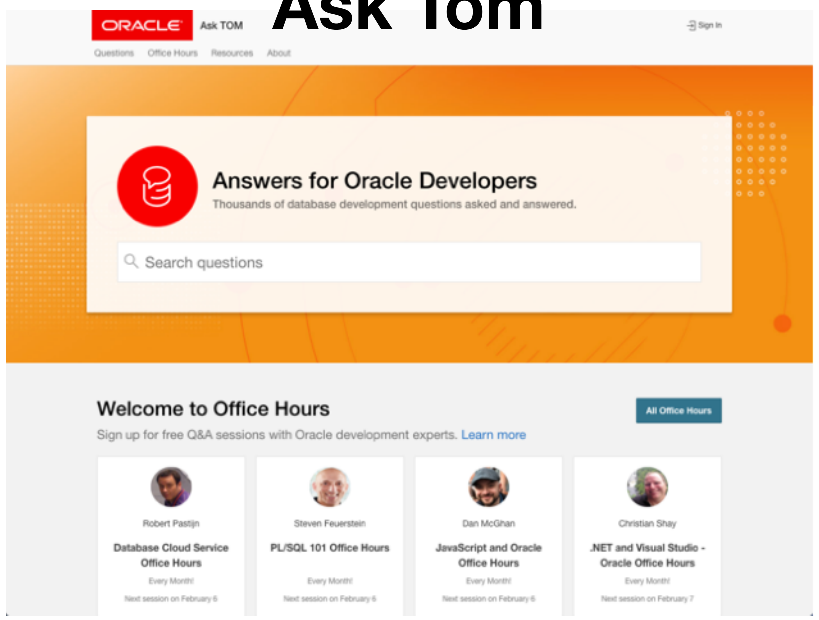
Can we assert API response using code like javascript using Jmeter

JavaFX comparing resultset for setting text to label using List<Label> show blank label

Jobs near you

Hot Network Questions

Ask Tom



Answers for Oracle Developers

Thousands of database development questions asked and answered.

Search questions

Welcome to Office Hours

Sign up for free Q&A sessions with Oracle development experts. Learn more

Robert Pastijn	Steven Feuerstein	Dan McGhan	Christian Shay
Database Cloud Service Office Hours	PL/SQL 101 Office Hours	JavaScript and Oracle Office Hours	.NET and Visual Studio - Oracle Office Hours

Too Many Platforms/Blogs To Find The Needed Information

Solving Oracle problems for over 20 years

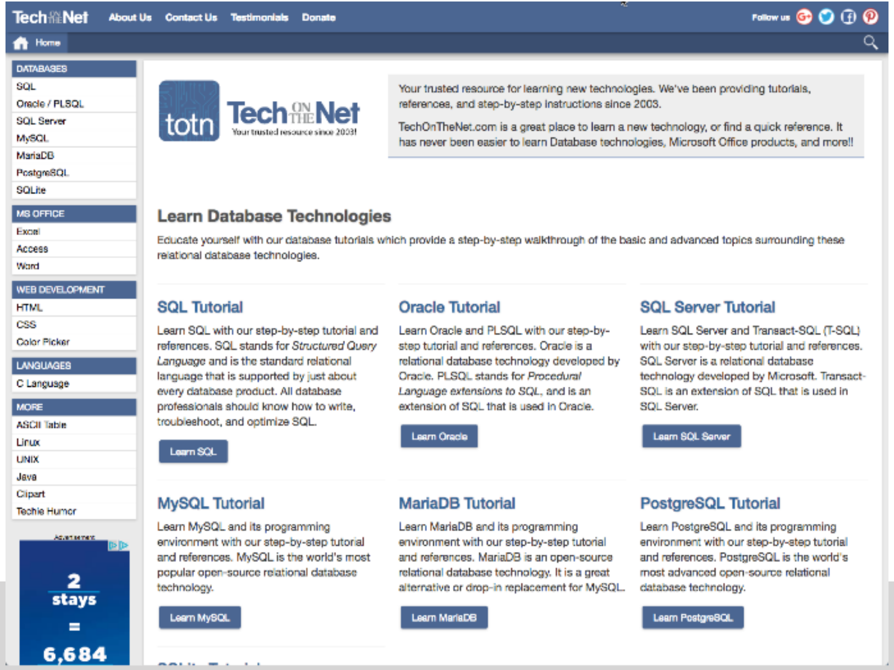
ORACLE INSIGHTS AND ANSWERS

Disabling Interactive Grid Columns

Blogs

How do we Resolve This?

Tech on the Net



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Learn Database Technologies

Educate yourself with our database tutorials which provide a step-by-step walkthrough of the basic and advanced topics surrounding these relational database technologies.

SQL Tutorial

Oracle Tutorial

SQL Server Tutorial

MySQL Tutorial

MariaDB Tutorial

PostgreSQL Tutorial

Oracle Forum

WELCOME!

New to Oracle Community? Be sure to check out our FAQ and read through the Community Guidelines. Then, join our Getting Started group, Introduce yourself to community!!! and start exploring!

Want to offer feedback, or share your ideas? We'd love to hear from you!

*Please don't post product-related questions in the feedback space; instead, navigate to or search for an appropriate product community to post them in. Thanks!

SEARCH FOR A PLACE TO ASK A PRODUCT QUESTION

FEATURED COMMUNITIES

WHAT'S HAPPENING IN COMMUNITY?

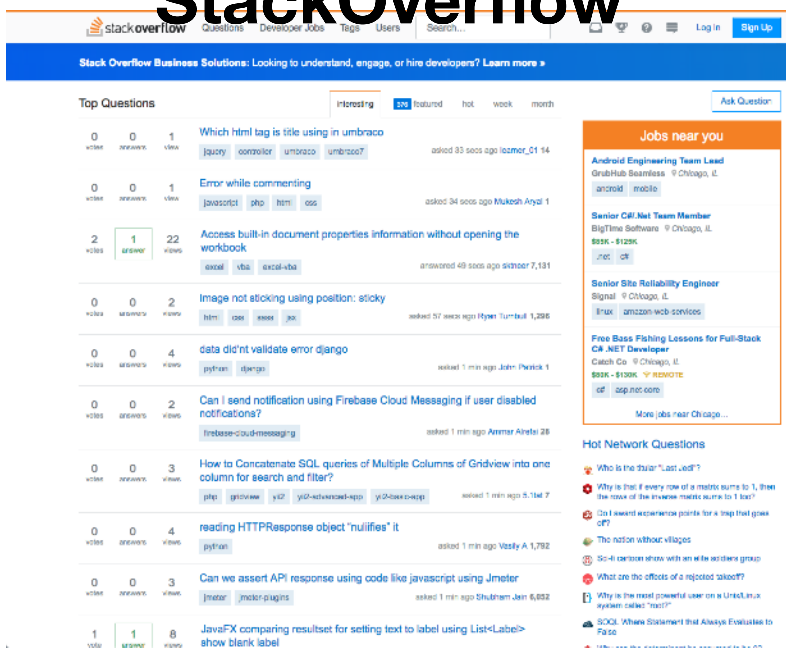
ORACLE DEVELOPER CHAMPIONS ADVOCACY PROGRAM

We've launched a new advocacy program - Oracle Developer Champions! Learn more about the program here.

DEVELOPER NEWS

Current Situation

StackOverflow


stackoverflow
Questions
Developer Jobs
Tags
Users
Log In
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Top Questions
interesting
featured
hot
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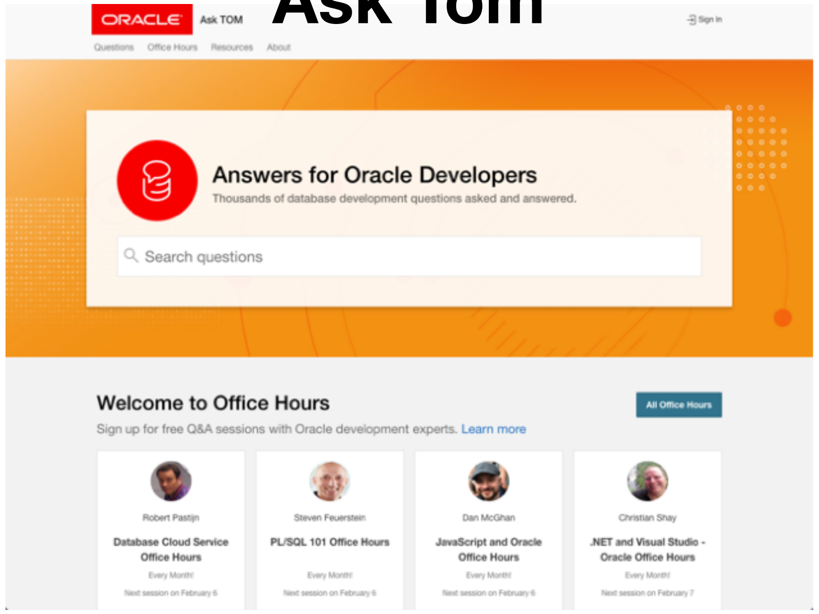
Ask Tom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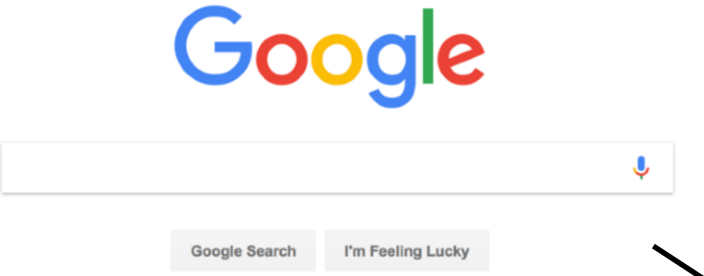
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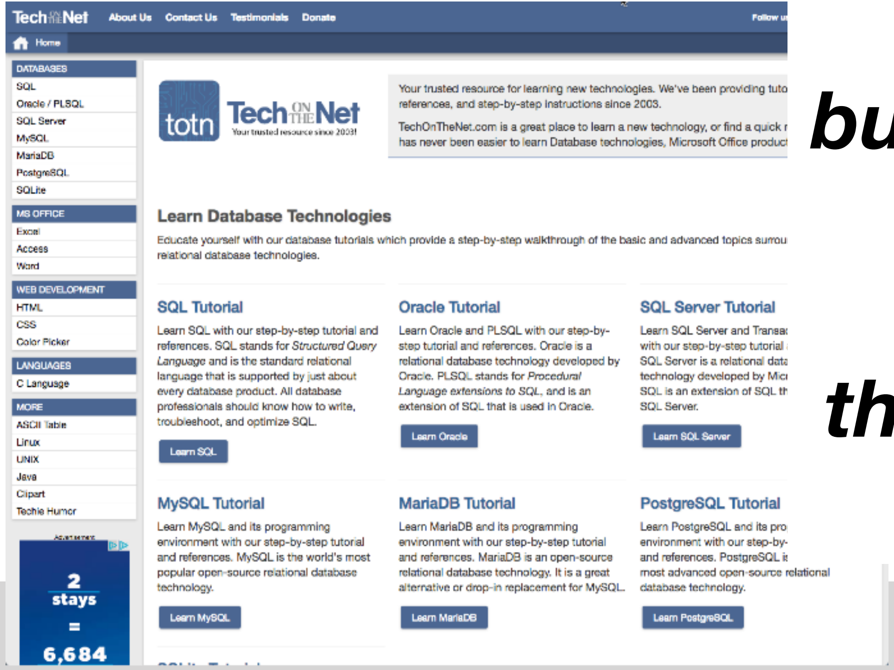
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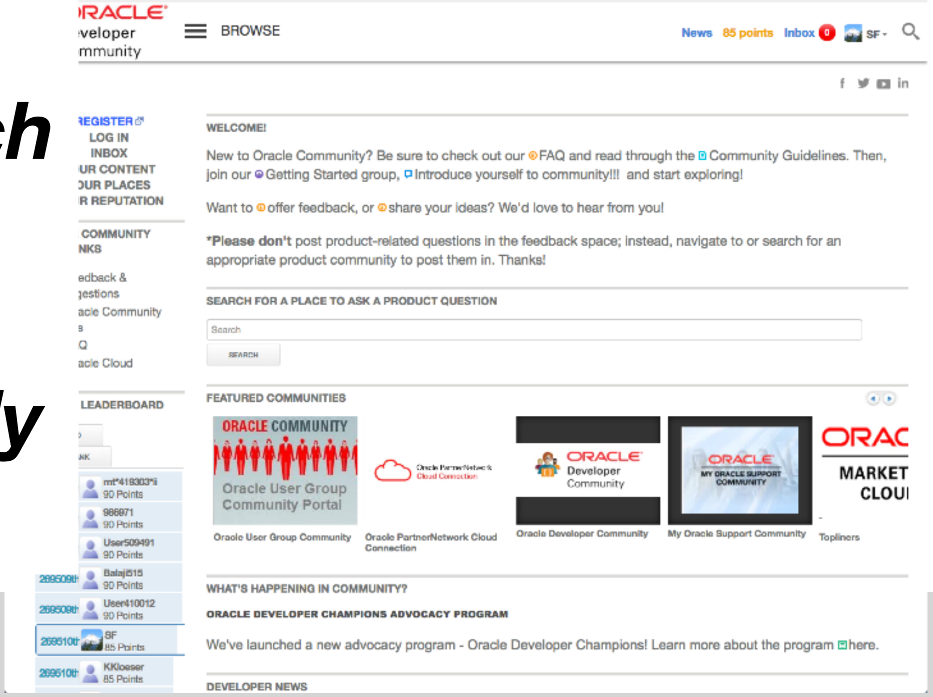
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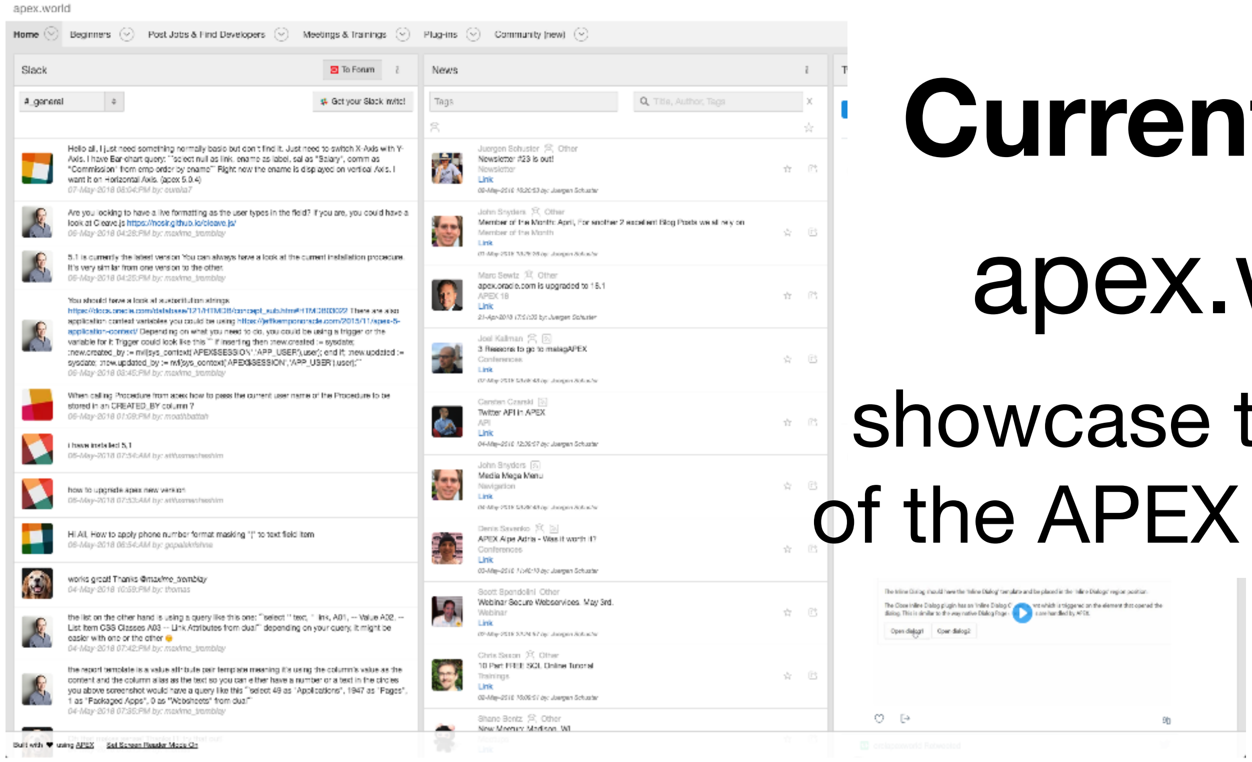
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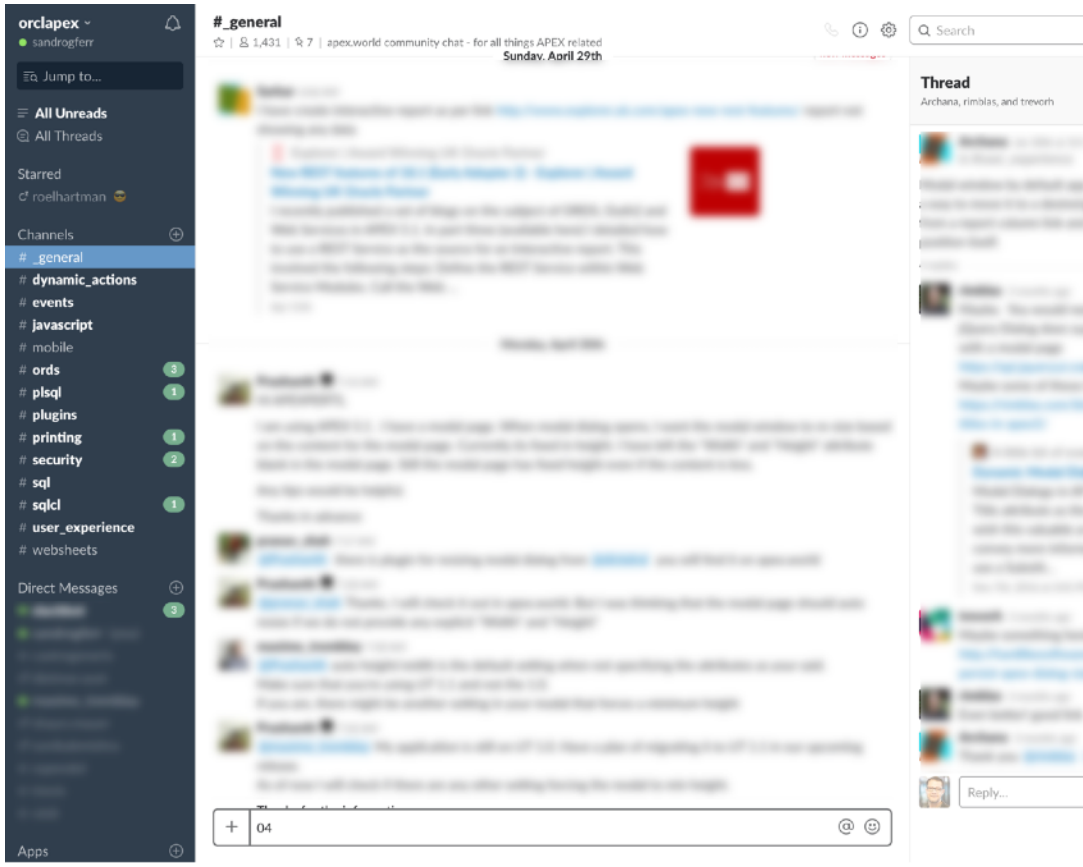
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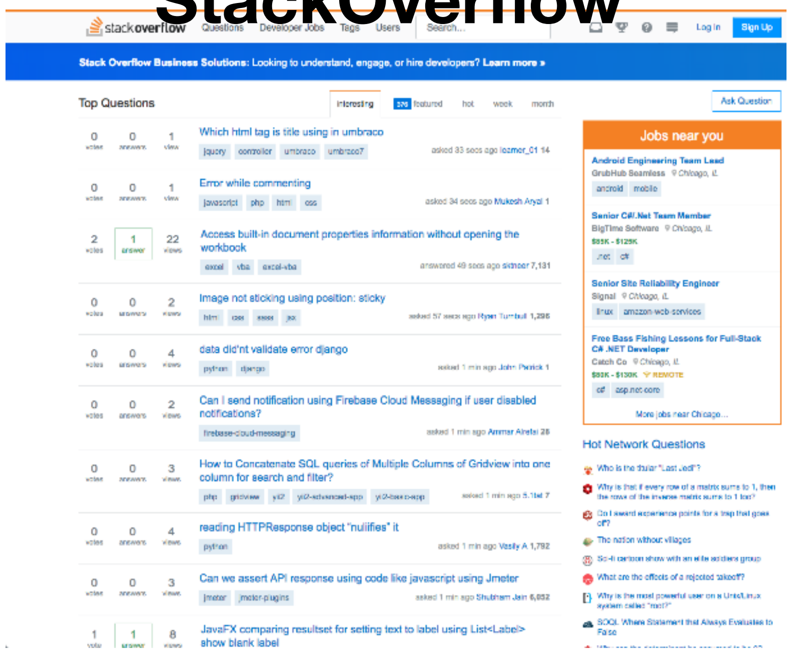
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Access built-in document properties information without opening the workbook

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How to Concatenate SQL queries of Multiple Columns of Gridview into one column for search and filter?

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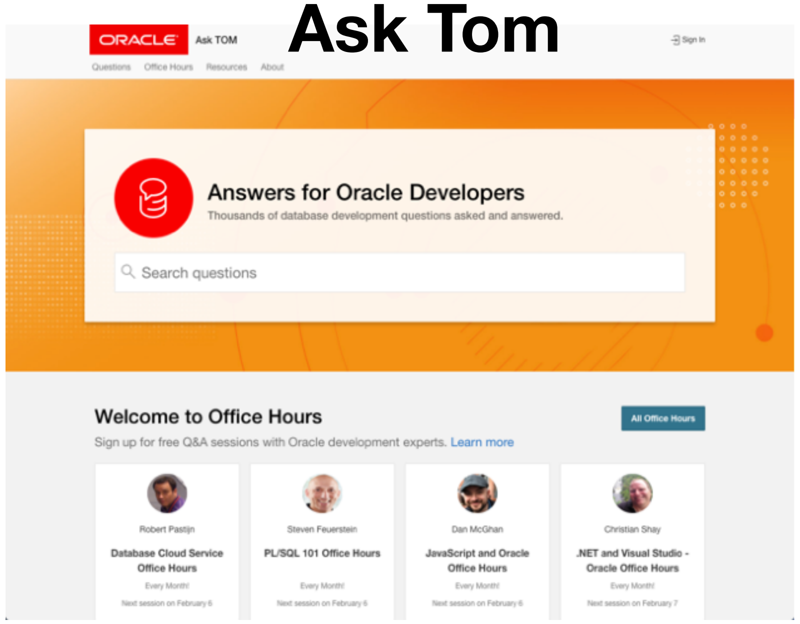
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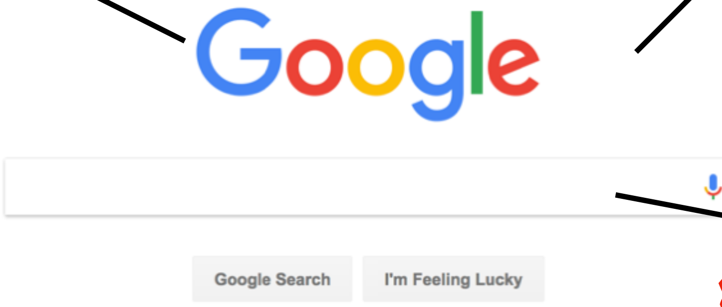

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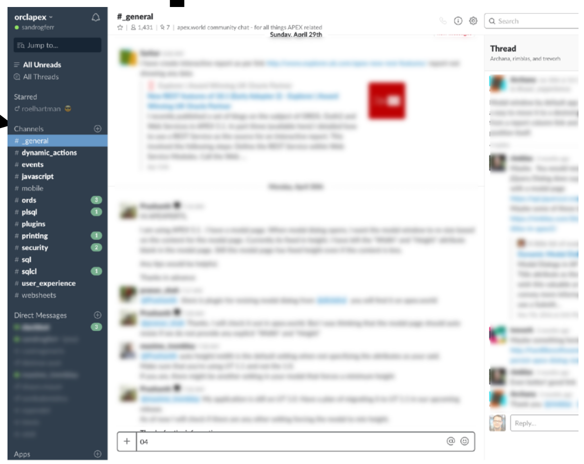

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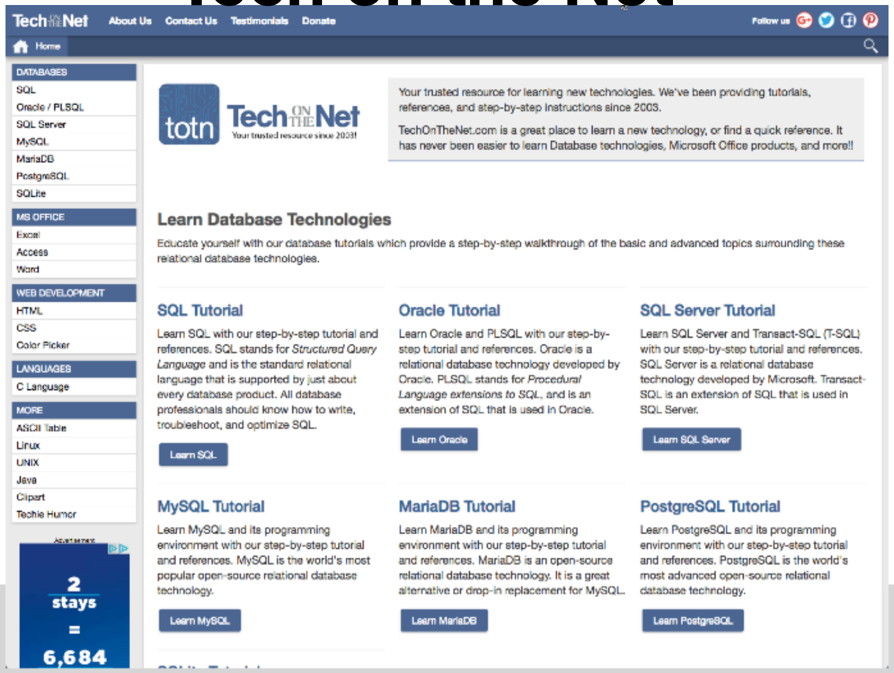
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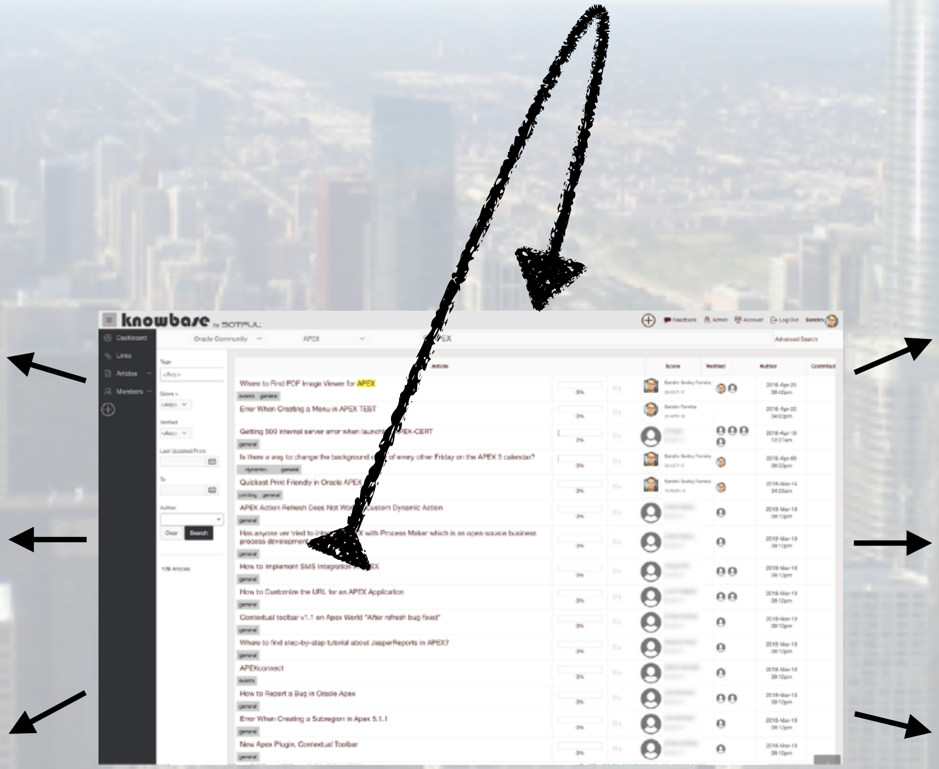
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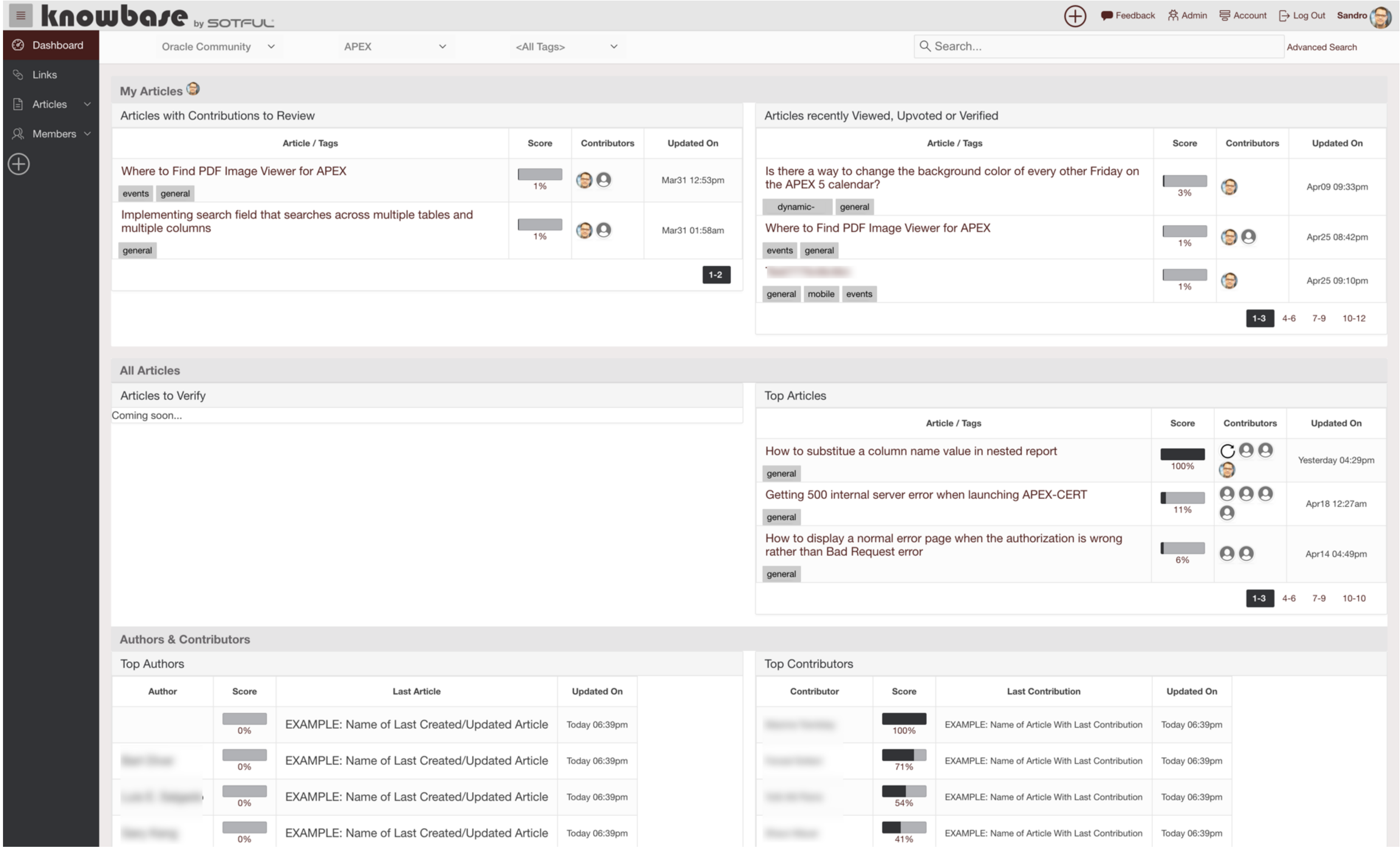

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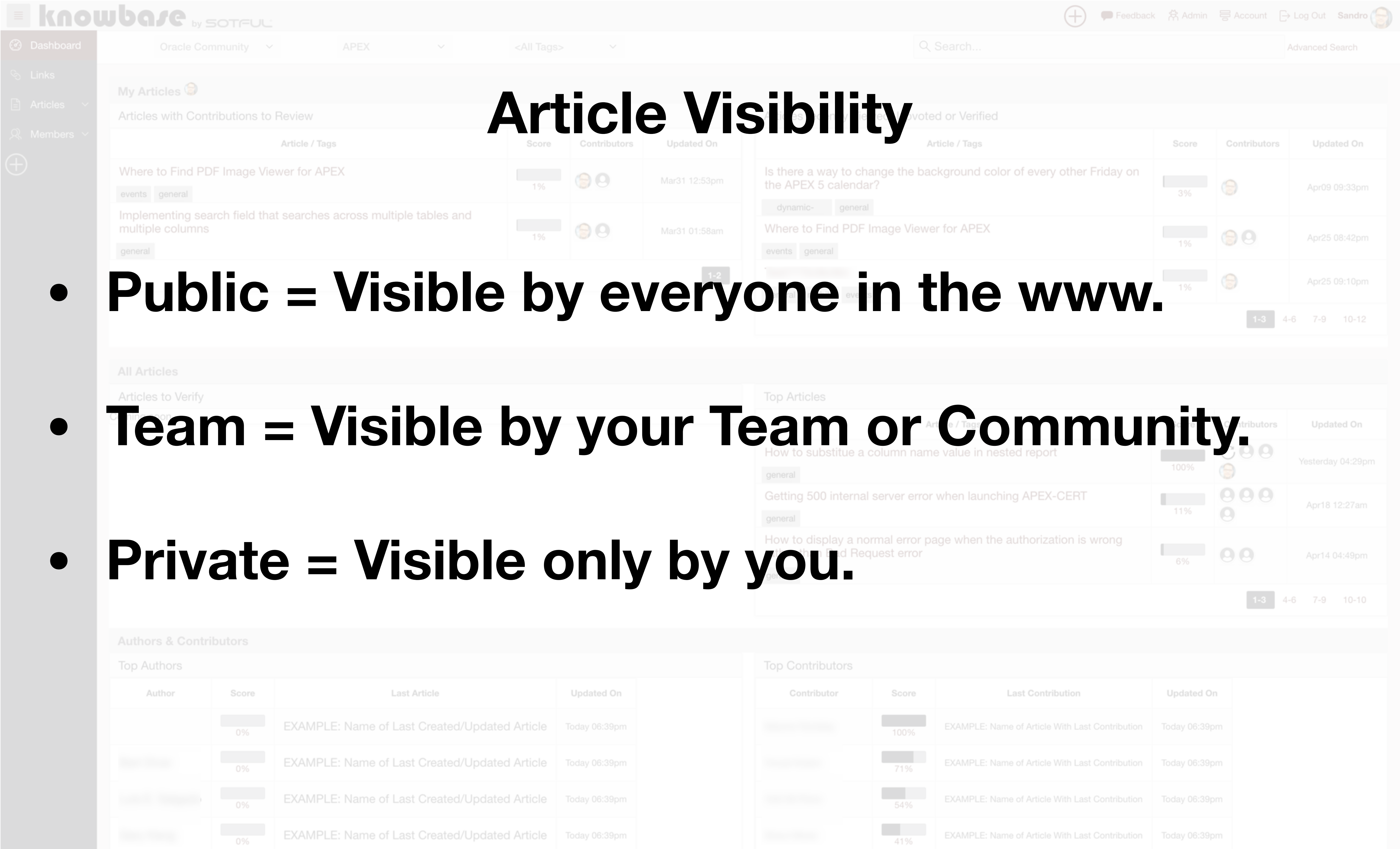

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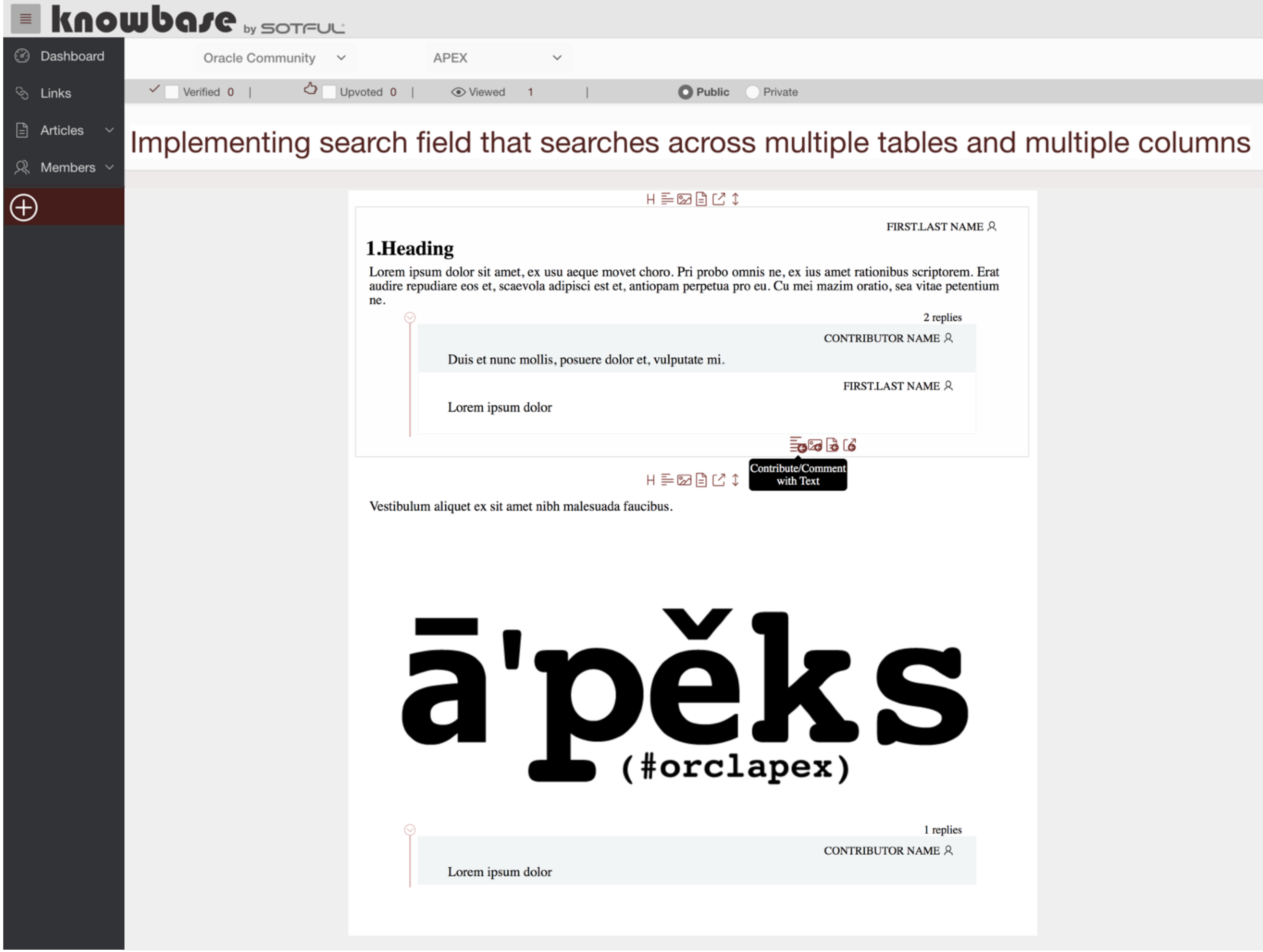
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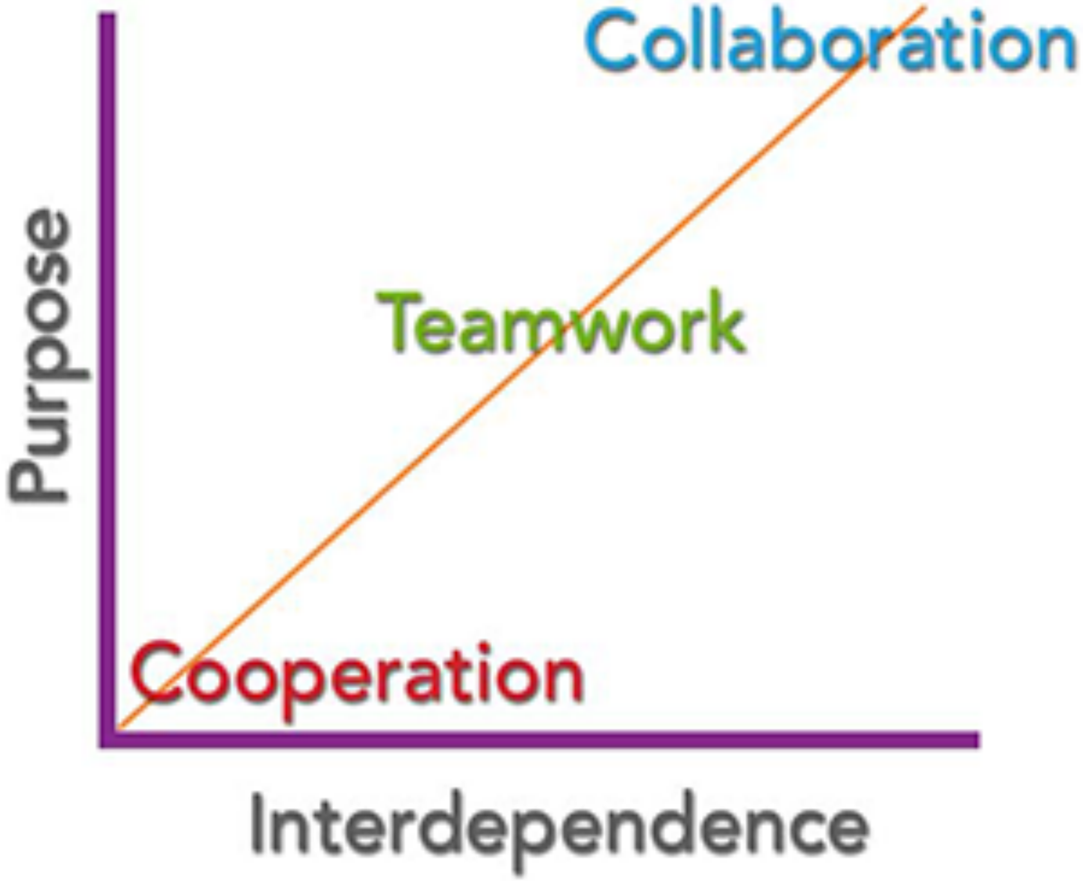
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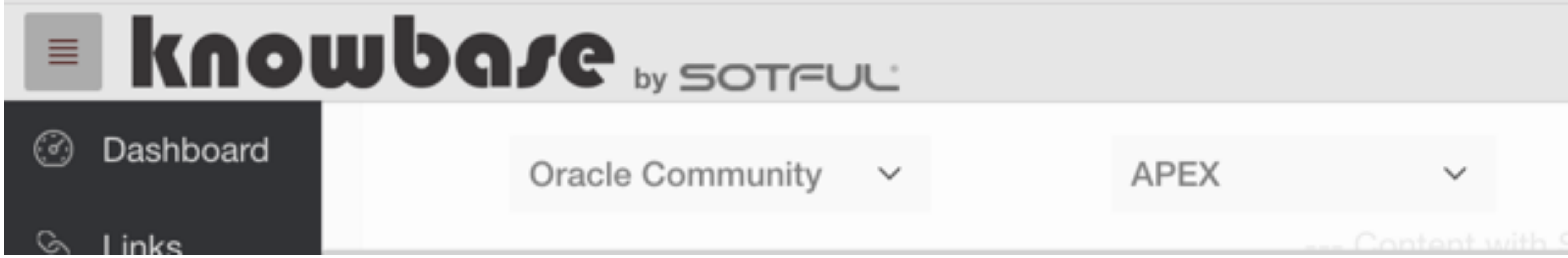
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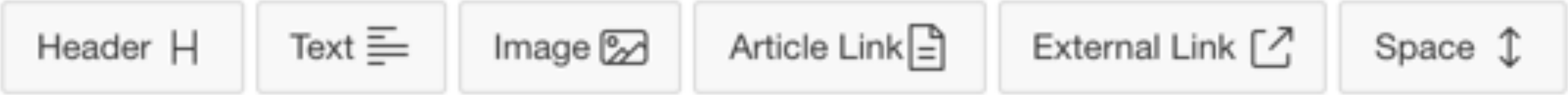
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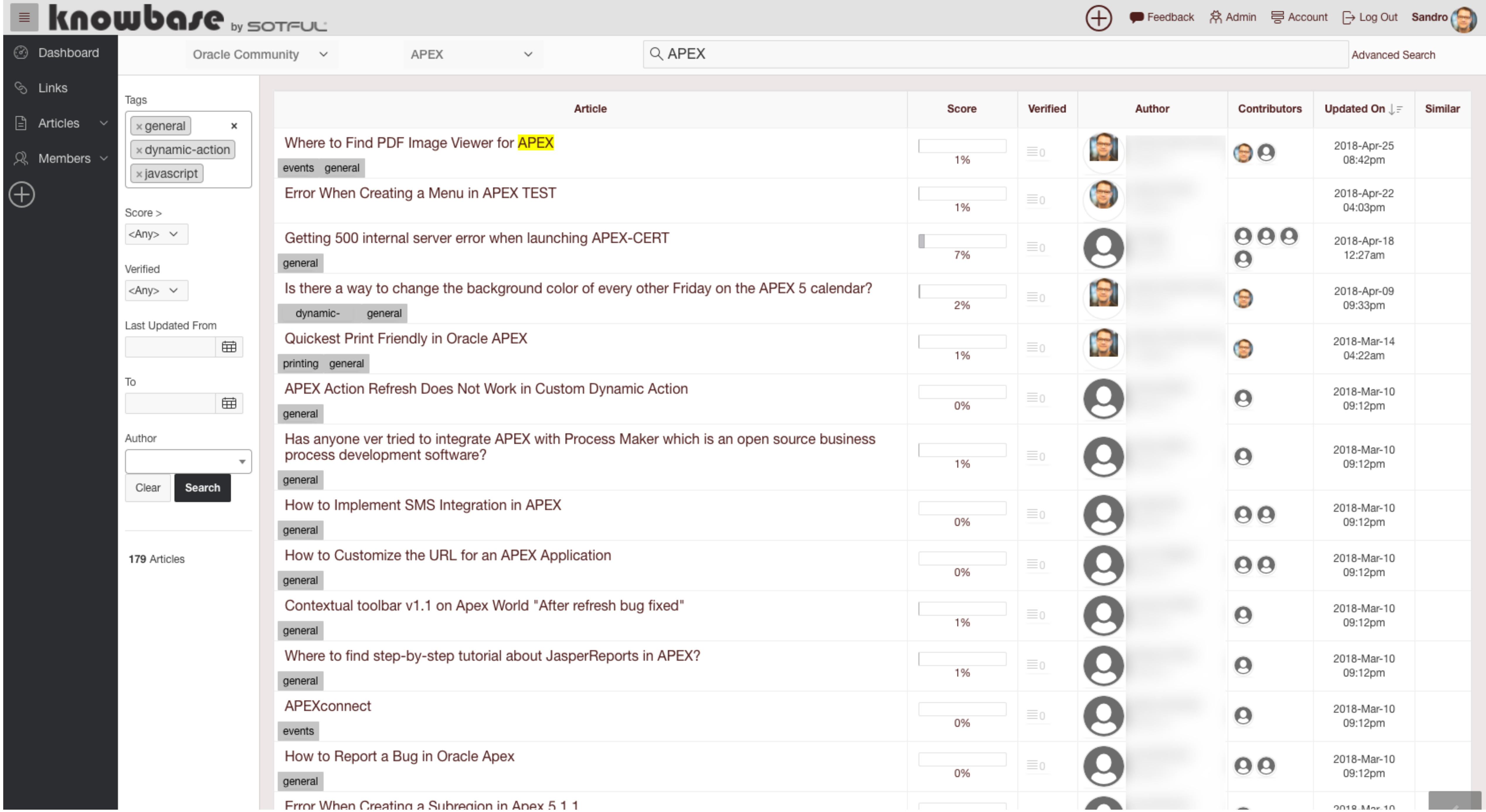

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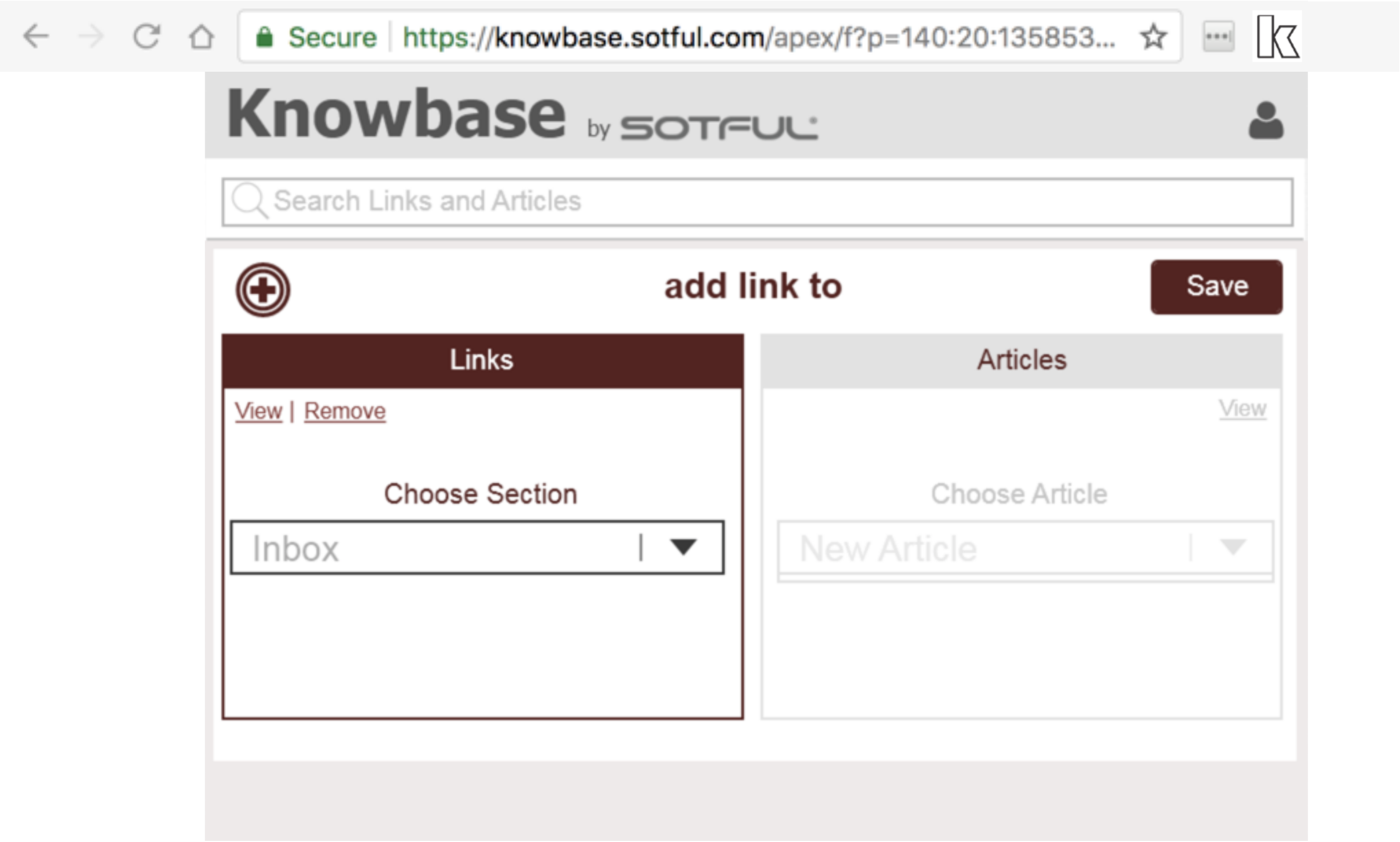

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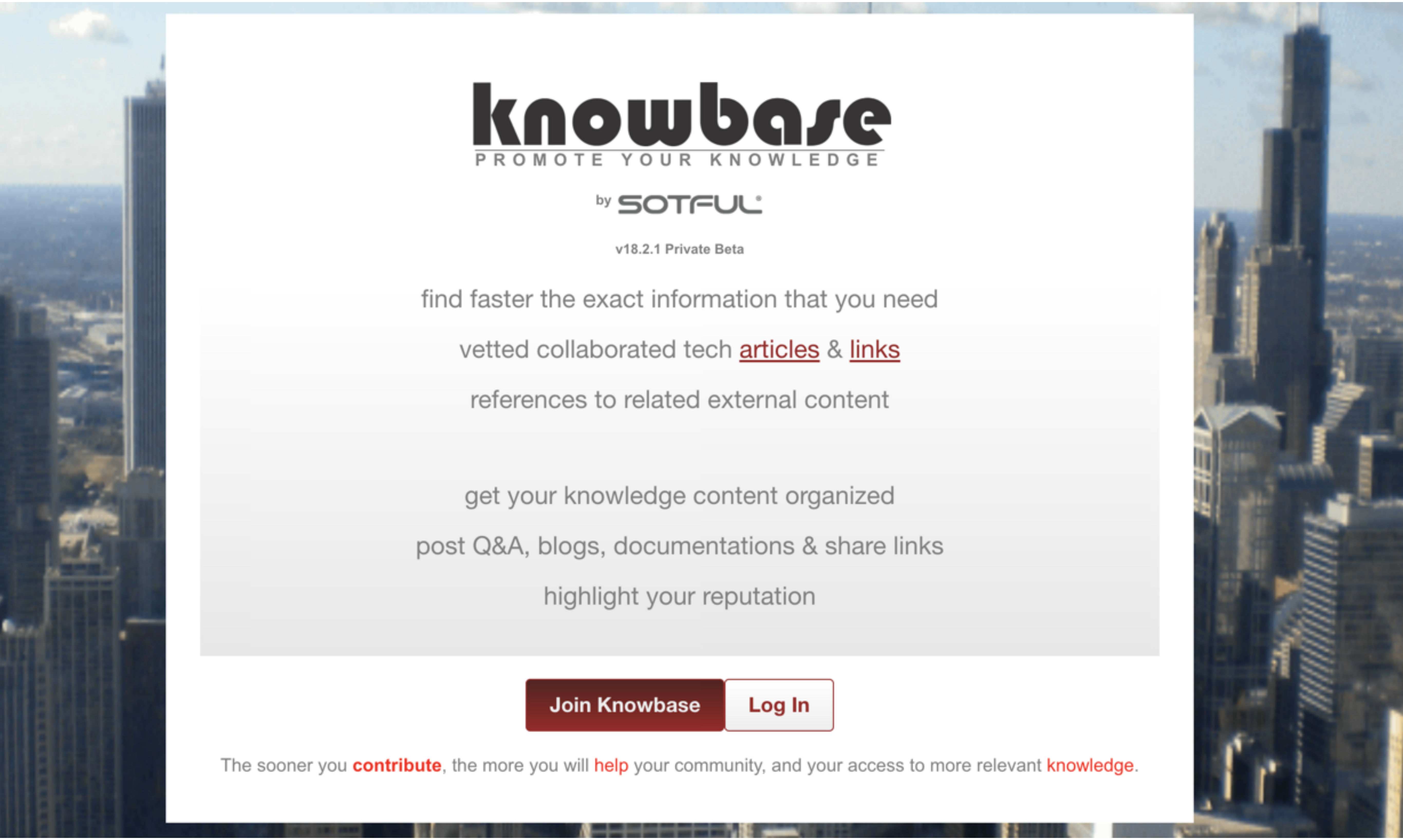
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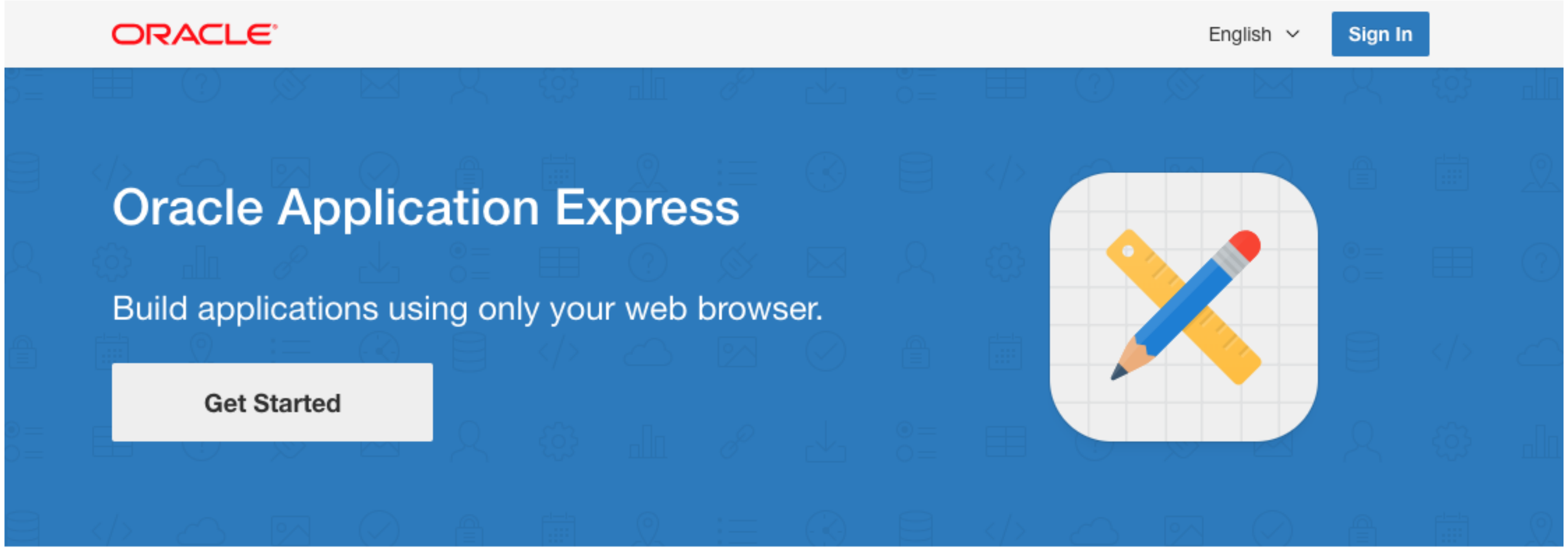
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