

A report on

EAI Technical Education and Awareness to the Developers' Community Websites

Submitted by



ThinkTrans

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ThinkTrans LLP

India

email: akshat@thinktrans.in

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Executive Summary:

This report is aimed at detailing the actions taken and final summary of the “UA Email Address Internationalization (EAI) Technical Education and Awareness to the Developers' Community via Q&A Websites” project under the UASG initiative.

As the name suggests, the project “UA Email Address Internationalization (EAI) Technical Education and Awareness to the Developers' Community via Q&A Websites” was aimed at engaging the various user-forums from the point of view of the Universal Acceptance to the Internationalized Domain Names and the Email Addresses. The report is mainly divided in the four sections. First phase involves Prior Analysis, followed by Execution Phase analysis. This is subsequently followed by the Action taken section and the Call for Action section.

As a part of the execution of the project, some developer community forums were pre-identified and they were planned to be engaged with in the execution phase. The initial part of the report gives the analysis of those forums and the feasibility of engaging them vis-à-vis the stated objectives of the project. As a part of that analysis, it came out that some of the forums are not suitable for this and some forums were decided to be dropped from the analysis and some new were added in their place. The execution phase analysis section gives the details of experience of each of the forums, the nature of engagements on the said forum and additional details, if any. This is followed by the “Action Taken” section giving concrete details about the engagements on each of the forums. The last section is a “Call for action” section detailing the systematic steps that the UA community can take in order to maximize the effectiveness of engaging with these forums for furthering the UA cause in a best possible way. Though directly not part of the project deliverables, it was felt necessary to document the peculiar discourse patterns on these forums. Those observations form the Appendix A of the report.

Introduction:

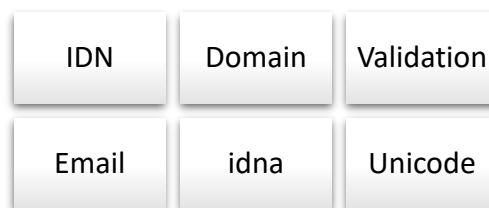
This report details the execution of the “UA Email Address Internationalization (EAI) Technical Education and Awareness to the Developers’ Community via Q&A Websites” project constituted under the UASG initiative. It captures analysis of the developers’ forums, execution details, learnings captures and subsequent actions required by the UA community for maximizing the UA outreach to the developer communities.

Prior Analysis:

At the beginning of the project, ThinkTrans analysed some of the most popular developer forums from the point of view of current state of the Q&A discourse in relation to the topics pertaining to the cause of the Universal Acceptance of the Internalized Domain Names and the IDN Emails. The said developer forums were as follows:

1. StackOverflow : <https://stackoverflow.com/>
2. Serverfault : <https://serverfault.com/>
3. GitHub: <http://github.com>
4. Hashnode: <http://hashnode.com>
5. Developer Circles - <http://developers.facebook.com/developercircles>
6. FreeCodeCamp - <http://freecodecamp.org>

Following keywords were identified to analyse the discussion trends on these developer forums.



The terms UA and EAI were specifically excluded from this analysis as in most of the cases, they were fetching results where they meant “User Agent” and “Enterprise Application Integration” respectively, thereby giving misleading results.

Stackoverflow:

This is one of the most active and informative developer community forums present as of date. The sheer volume of the number of questions for each of the keywords underlines the importance of this particular community forum.

Term	Number of questions	
	As tag	As part of the content
Idn	111	2546
Domain	16,365 ¹	5,03,278
Validation ²	63,149	63,149
Email	9,87,339	56,586
Idna	2272	1

¹ Gets redirected to the tag [DNS] and the number is indicative of that tag and not the [domain]

² Plain search gets auto-converted to tag search, hence the same values in both the columns

Unicode	1,68,069	23,646
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Observations about this forum:

1. This forum is related to general purpose programming and hence all the UA related questions pertaining to all the possible programming languages get asked over here.
2. The forum explicitly encourages³ the users to “self-answer”. A feature that can be utilized to the maximum for the UA cause.
3. This platform generally restricts the discussions on this forum as “Q&A” format and advises⁴ users not to ask the subjective questions.

Serverfault:

This forum is specifically meant to deal with the Q&A regarding the configuration, installation and maintenance related questions about “Production Servers” in particular. Hence the general IDN Validation related questions are expected to be discouraged hence less in number on this particular forum. However, it was expected that Email Server configuration related questions will be high in number.

Term	Number of questions	
	As tag	As part of the content
Idn	14	140
Domain ⁵	2606	2606
Validation	0	4809
Email ⁵	6349	6349
Idna	0	20
Unicode	0	593

Observations about this forum:

1. As expected, the number of questions about email configuration were high on this forum than any other question category. Further deeper analysis of this particular forum can help to single out EAI related questions.
2. The forum explicitly encourages⁶ the users to “self-answer”. A feature that can be utilized to the maximum for the UA cause.
3. This platform generally restricts the discussions on this forum as “Q&A” format and advises⁷ users not to ask the subjective questions.

GitHub:

GitHub, among many other things is the largest “source-code hosting” platform, till date. Along with the hosting, it provides distributed version control, and source code management. There is a particular feature for each of the GitHub projects that the platform provides, named

³ <http://blog.stackoverflow.com/2011/07/its-ok-to-ask-and-answer-your-own-questions/>

⁴ <https://stackoverflow.com/help/dont-ask>

⁵ Probably because the platform auto-tagged all the questions with the term “domain” in the content as tag

⁶ <https://serverfault.com/helpcenter/self-answer>

⁷ <https://serverfault.com/help/dont-ask>

“Discussions”. This feature was mainly aimed at enabling the collaborators on a particular project to discuss some of the bugs/features/collaboration-methodologies about the project they are working upon. This functionality was mainly in Beta stage for most of the time of its existence. However, On 17th August 2021, GitHub systematically rolled out the “GitHub Discussions” as feature of the platform. The following statistics are from that particular aspect of the GitHub Search.

Term	Number of questions	
	As tag	As part of the content
Idn	-	51
Domain	-	7000
Validation	-	4000
Email	-	26,000
Idna	-	158
Unicode	-	866

Observations about this forum:

1. This one explicitly allows two modes of discourse
 - a. Open ended discussions
 - i. Great for some of the ideas to get disseminated within the community to think about and come up with solutions, one such idea being “Public Suffix List”.
 - b. Question / Answer
2. The relatively high search volume for the keyword “IDNA” shows that this platform is more oriented towards advanced level discussions as most of the people discussing over here are contributors to some of the active projects.

Hashnode:

Hashnode is a free developer blogging platform that allows one to publish articles on their own domain and helps them stay connected with a global developer community.

Since there are no Q&A and Discussions kind of feature available on this platform, the keyword-based analysis is not performed for this platform.

This platform is typically utilized in the best way by creating a blog on Hashnode and linking it to user’s personal domain. However, since UASG already has a blog of its own, this might prove to be counter-productive.

Developer Circles by Facebook (A program under the Facebook for Developers):

As per the Facebook Developer Circles [website](#): *“Members receive coaching from technology experts, collaborate with like-minded peers, and take part in a range of building initiatives. Each Developer Circle is managed by a developer community leader who hosts local events, supports an online Facebook Group and shares the latest news **on Facebook products.**”*

From UASG point of view: Since UASG already has many similar programs going viz. UA Local Chapters, UA Ambassadors Program, it would be advisable if those programs are either linked with these “local circles”.

freeCodeCamp:

This platform operates in two modes:

1. Learning Platform: Free online learning platform which hosts various courses on a varied set of topics related to the computer programming
2. Community Forum built around certain specific tags: In this mode, there are some fixed tags provided by the platform, out of which only the following are relevant to the UASG work
 - a. JavaScript
 - b. Python
 - c. HTML-CSS
 - d. General (This includes anything and everything that does not fit any fixed tags)

Observations about the platform:

1. For the Learning Platform, ICANN could provide the “Learn How You Can Help Build a More Digitally Inclusive Internet”⁸ course (and similar future courses) introduced through the “ICANN Learn” platform, on this platform as well, for wider reach.
2. freeCodeCamp also has a unique feature that lets users solve “Challenges” as a way of learning. It could not be definitively ascertained if the “users” of the platform can design the challenges for other users. However, ThinkTrans has initiated discussions with the platform administrators to get more clarity on the same.
3. The freeCodeCamp is otherwise primarily aimed at novice users who are mainly into learning basics. Hence keyword search in the forum did not yield any topics/discussions which showed direct relevance to the UASG cause. The term “Unicode” did bring out 50+ discussions, however, most of them were pertaining to the basics of Unicode.

Execution Phase Analysis:

Once the project commenced, the said developer forums were scrutinized in details from the point of view of their applicability of being useful in terms of their outreach and the nature of intended interactions on them by virtue of the nature of the community they nurtured. Following is the analysis of the exercise.

1. StackOverflow : <https://stackoverflow.com/>:

This is the most relevant forum for our cause as it has one of the largest and vibrant community of developers attached.

2. Serverfault : <https://serverfault.com/>:

⁸ <https://uasg.tech/2021/08/learn-how-you-can-help-build-a-more-digitally-inclusive-internet/>

Most the questions on this forum are related to Network Administration as opposed to the programming per se. However, there do come questions on this forum that are at times relevant from email server configuration side and likewise. Hence this forum is too relevant to our project.

3. GitHub: <http://github.com>:

As of mid-2020, GitHub did not have a well designated "Question and Answering" platform. However, it did launch the "GitHub Discussions" feature wherein users can ask questions to developers of a particular project. This feature, for a particular project needs to be turned on by the Administrator of the project for users to be able to use it. From project administrator's side, most of their internal discussions already take place via tracking/commenting mechanism. Hence many have not turned this feature on yet. However, it is recommended to keep tracking this forum as it is one of the most relevant and impactful to the UASG cause.

4. Hashnode: <http://hashnode.com>:

This is more of a blogging platform than a QnA forum. We can certainly use this one for writing our own blog-series on the UASG topic which can be linked in our answers. However, this does not have a QnA format interaction.

5. Developer Circles - <http://developers.facebook.com/developercircles>:

This one is more of a regional, physical activity and outreach drive by the Facebook than a discussion/QnA forum. In addition, their mandate is to discuss things more related to Facebook plugins/widgets. Hence it was recommended to reconsider inclusion of this particular forum from the analysis.

6. FreeCodeCamp - <http://freecodecamp.org>:

This particular forum is especially oriented towards those who are learning to code. Hence most of the questions on this forum are very basic and not oriented towards the production setup. Though it might seem lucrative to engage with them at the early stage from UASG awareness point of view, I do not think our outreach on this forum will find much traction. Hence it is recommended that we reconsider inclusion of this platform too from our list of platforms to be monitored.

In addition, there are two forums which could be more relevant to our effort:

1. CodeProject - <https://www.codeproject.com/>

It has a vibrant community attached with it and supports Article Hosting, QnA and Discussion formats. We can meaningfully make an impact if we engage on this platform.

2. Various programming related subreddits:

The reddit is another active community which we can look forward to. My initial scan of the forum did not bring out many results for Questions pertaining to IDN/Email Validations per se, however, we can definitely get good traction if we ask questions in a right way to invoke a good discussion. Hence it was recommend including this platform as well.

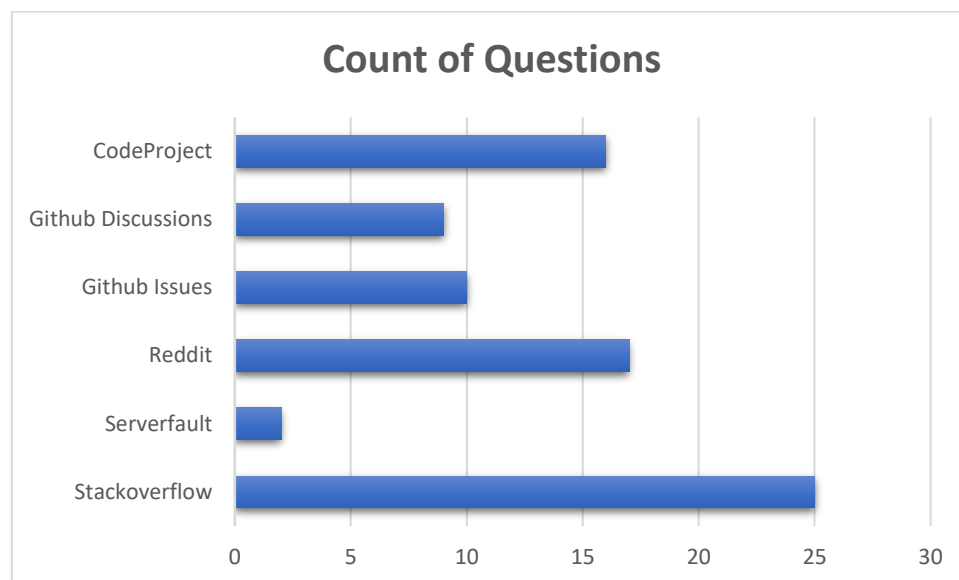
As a part of this analysis, it was decided to finally consider following forums for interacting with the Web-Developers for the topics/questions relevant to the UA activity.

1. StackOverflow : <https://stackoverflow.com/>
2. Serverfault : <https://serverfault.com/>
3. GitHub: <http://github.com>

4. Hashnode: <http://hashnode.com> (For blogs)
5. CodeProject - <https://www.codeproject.com/>
6. Various programming related subreddits - <https://reddit.com>

Action Taken:

Deliverable 1: Engaging with the Developer Community through Questions and Answers:



Following is the summary list of the Questions and answers that the said forums were engaged with.

Sr. No.	Question	Forum
1.	How to use IDN domain with swedish åö when sharing on Facebook?	Stackoverflow
2.	Example URIs for unit testing IDN domains	Stackoverflow
3.	Nodejs Detect punycode IDN language	Stackoverflow
4.	What is a regular expression which will match a valid domain name without a subdomain?	Stackoverflow
5.	Validation code for IDN (Domain) with regex (regular expression)	Stackoverflow
6.	IDN (Domain) validation with regular expression	Stackoverflow
7.	Domain Name Regex Including IDN Characters c#	Stackoverflow
8.	non-Latin email address validation	Stackoverflow
9.	How to validate an e-mail address in swift?	Stackoverflow
10.	How to validate an email address in PHP	Stackoverflow
11.	How can I validate an email address using a regular expression?	Stackoverflow
12.	How can I validate an email address in JavaScript?	Stackoverflow
13.	C# code to validate email address	Stackoverflow
14.	How to validate an e-mail address in swift?	Stackoverflow
15.	How to validate an email address in PHP	Stackoverflow
16.	Unicode Ranges of Indian Language Characters	Stackoverflow
17.	Your email validation logic is wrong	Stackoverflow
18.	Email Address Validation: Please Stop	Stackoverflow
19.	It is impossible to validate an email address	Stackoverflow
20.	Properly validating e-mail addresses	Stackoverflow
21.	Case sensitive hostnames	Stackoverflow
22.	.htaccess file, blocking IDN domains	Stackoverflow

23.	Is there a list of Unicode character categories included/excluded in IDNs?	Stackoverflow
24.	Validating email addresses using jQuery and regex	Stackoverflow
25.	Which Unicode characters are allowed in IDN host labels?	Stackoverflow
26.	Your email validation logic is wrong	Reddit
27.	Email Address Validation: Please Stop	Reddit
28.	It is impossible to validate an email address	Reddit
29.	Properly validating e-mail addresses	Reddit
30.	Is my new gTLD causing it to get filtered as spam?	Serverfault
31.	Case sensitive hostnames	Serverfault
32.	I've released uber-small email validator on GitHub	Reddit
33.	validating if an email is REAL	Reddit
34.	How to check if email address is real?	Reddit
35.	Regular expression for email validation with specific requirements	Reddit
36.	Regular Expression standard for email address validation	Reddit
37.	regex to check if a url is valid and allow uppercase and lowercase letters?	Reddit
38.	Regex validation with comma separated email addresses (no spaces)	Reddit
39.	Email regex	Reddit
40.	best way to parse a string of emails with unknown/inconsistent delimiter?	Reddit
41.	Why does this email address Regex work the way it does?	Reddit
42.	Need Help with Validation using Regex	Reddit
43.	Need help with regex -newbie	Reddit
44.	POV: you want to validate an email in perl	Reddit
45.	Unexpected validation behavior	Github Discussions
46.	What is RFC No of the email validator?	Github Discussions
47.	Add predefined regexes.	Github Discussions
48.	Business email validation	Github Discussions
49.	Should invite email input consider the input valid in capital letters too?	Github Discussions
50.	Validating URLs without scheme	Github Discussions
51.	Email validation does not work correctly	Github Discussions
52.	Add an option to e-mail fields to allow internationalized domain names #9698	Github Discussions
53.	Can't add unicode domain #1870	Github Discussions
54.	Email field: Validation regex option #799	Github Issues
55.	Add custom email regex option #2	Github Issues
56.	Regex validation doesn't work #23	Github Issues
57.	[Code Quality] Move Email address regex to util #1271	Github Issues
58.	Using a comprehensive email validator #8	Github Issues
59.	Email Validation Regex needed Upgrade #19	Github Issues
60.	Please fix your broken email regex! #171	Github Issues
61.	Fix regex validation for email #15	Github Issues

62.	decide if we want to use this #8	Github Issues
63.	email validation in config panel is too relax... #2058	Github Issues

The above Questions and Answers covered conversations with following tags:



Reason for the absence of the CodeProject platform from the analysis:

The CodeProject platform was engaged with as a part of this project execution, however, due to some of the most stringent and guarded ways in which the discourse is controlled on that platform, the interaction was marked as being “site-driving”, “bounty-hunting” and “rep-hunting” (reputation hunter) and the answers marked were removed through the moderation action.

This platform was engaged with twice with two users viz. “Akshat ThinkTrans” and “Akshat J”. All the answers provided were eventually removed owing to moderation action and only the discourse which involved discussion about the ways in which this forum can be meaningfully engaged with and the views of some of the users and the moderators are available to be seen, rest everything being removed. The same can be found on this [general search query](#)⁹ on the CodeProject platform.

Deliverable 2: Writing informative articles on the topics of interest to the UA cause:

Hashnode was identified as one of the avenues of engagement with the Developer community as it is a technical blogging platform with a large userbase. To use the outreach on this platform to the in the appropriate form, ThinkTrans published two articles on the same speaking elaborately on the two major topics of interest viz.

⁹ Ignore those about the user “Akshat Garg” who is a different user but comes as a part of this search.

1. ["Universal Acceptance of Domain Names and E-mail Addresses" - What is the issue?](#)
2. [What is the ultimate goal of the Domain Name and Email ID Validation?](#)

Both the articles have been hyperlinked to the online blog as well as given in text format in the Appendix A for the ready reference. However, it is recommended to use the online version for the latest copy of the text.

Deliverable 3: Expanding the existing UASG FAQs list:

In addition to engaging with the developer community additional deliverable of the project included identification of questions that could be potentially part of the UASG FAQs list. Towards that effect, a set of questions were shortlisted to be potential FAQs. They are as follows:

1. What is the simplest regular expression to validate emails to not accept them blindly?
2. What is the maximum length of a valid email address?
3. What is the maximum length of a valid domain name?
4. Are the IDNs case-sensitive?
5. Are the Internationalized Email Addresses case-sensitive?
6. How to detect language/script of a punycode?
7. Is there a way to avoid showing "xn--" for IDNs?
8. How to compare punycodes for visible similarity?
9. Is the whole URL required to be converted to punycode or only the domain name part?
10. Can I treat all the domain names (IDNs and ASCII based) to be IDNs and process them as such without any ill-effects in my code flow?
11. While converting IDN to ASCII (or vice-versa) in any programming language, can the whole URL (with protocol parameters such as HTTPS, Colons etc) be submitted as it is?
12. Are IDN Conversion Functions reversible?
13. Are ASCII symbols prohibited altogether from IDNs?
14. Just like there is a list of valid TLDs, where can I find a list of valid "Email TLDs"?
15. What is the level of support for IDNs in Android in terms of UA related requirements?
16. What is the level of support for IDNs in iOS in terms of UA related requirements?
17. I see a special character in an IDN which I want to type out. How should I type it?

Each question, along with the proposed answer (wherever applicable) have been provided in the document titled *"Proposed FAQs - Developer Forums Analysis Project - ThinkTrans"*.

Call for Action:

Though the apparent actionable objective of this project was to analyse the QnA patterns on these developer discussion forums and to frame and answer some model answers which will provide the end-users with the correct perspective, that is not the end of the road. This is just a start for systematic engagement with these highly engaging and influential platforms. This would need a constant effort to keep a track of such questions and answer them in the best possible manner while providing links to blogposts/reference pages for those who want to dive deeper into the concepts ensuring that UA compliant behaviour is ensured by the next-wave of web-applications that developers today are creating.

However, there is one big challenge that is posed due to presence these legacy questions (some of them being as old as 8+ years) and policy of these discussion forums to concentrate the similar discourse to few pages (questions) than diversifying them across multiple questions. The

manifestation of this policy decision happens in the form of implementation that dissuades new questioners from posing similar new questions with a request to get answers which are more pertinent to the recent times and technology landscape. If separate questions are asked, they get tagged to a similar older question with good number of answers and the new question is hidden from the searches. This thus ends up propping up the older questions for the relevant searches. Of course, there is an option to provide an answer to the older question, however, that typically buries the new answer under the heap of older answers with higher “upvotes”. These upvotes run in thousands to some of the answers which were relevant at one point but not so given the way technology landscape has changed, a case in point being say introduction of longer TLDs. These higher ranked answers, which are ranked by the fellow community members, often hide the answers we provide with the right perspective. Hence a concerted effort is necessitated by the **UA community to ensure** that the **relevant answers** on some of the popular discussion forums **get higher ranking/upvotes** on these forums so that the newer developers see them while implementing their own codes. The answers that UA community has to upvote need not be the one done through this project. They can be any answers that match the requirements of UA compliance. However, as a part of the community one needs to ensure that the action is concentrated and not diluted across similar differing threads. Rallying behind some good answers in the only way to ensure that they float in the immediate view up the order in the sea of answers.

Another action point that UA community can take up is participating in creating a compendium of similar such questions and model answers which can eventually take the similar route of getting posted on the relevant forums, answered and upvoted to bring in the necessary visibility. It is thus recommended, as a starting point, the community takes time in analysing the answers posted through this project, and provide their constructive suggestion/feedback/comments to info@uasg.tech so that the answers become rich enough for the community to rally behind them.

To summarize, the specific ask in terms of call for action is;

1. UASG community to "up" the answers posted through this project if they outrightly agree with it
2. UASG community to give feedback/suggestion through info@uasg.tech

Appendix A

Experience of Interactions with the Developer Forums

As a part of this pilot study, various developer forums were studied, the Q&A patterns on them were analysed and some of the learnings gained out of that exercise are being shared here for the benefit of the readers of this report.

Initially some of the general observations are given about in general patters of interactions with all the Q&A forums, followed by forum specific discussions of the selected forums.

General observations:

1. Though these forums are one of the most effective ways of reaching out directly to the core developer community, as it happens with every data-overloaded platform, “visibility” remains an important issue and it needs to be gained either through patience or through inorganic means to achieve the objective.
2. Most of the questions pertaining to the today’s UA issue/topics, have been results of some of the implementations/discussions within the developers when they were implementing the Domain/Email validation codes within their applications. Of course, the technology landscape as it existed then, made those discussions life-savers for the new developers who had similar questions and resorted to the guidance of early developers in this space, through these Q&A forums.
3. The discourse as it took shape as described in the Observation 2, gave rise to some of the most iconic landmark Q&A discussions with hundreds of responses to a question and some more replies to many of the responses. Also, some of the answers as they were given at the time, get “upvoted” as they do solve some of the prevalent problems, creating a lot of visibility among of the replies. This gives rise to a digital discourse that has a question and a lot many answers with higher rating with boosted visibility. However, as the technology landscape changes/improves, these discourses remain as they are and the newer answers with renewed understanding even if posted, remain buried under this and do not get visibility they need in the current times.
4. To avoid this, some forums do employ archival mechanism by which they shelve some of the questions as they become “outdated” per se in order to make way for fresh discourse to take precedent. Unfortunately, some of the topics pertaining to the UA do not have that kind of connotation and always appear prevalent and hence do not get archived.
5. One of the possible mechanisms could be to “post new questions”. Well, yes, some forums do encourage that, however some expect you not to ask the same question but to just boost up the similar question if it exists on the forum and find for our answer in those answers. Frequent posting of new question can also result in banning of the user from the forum. This creates a hurdle in creating a new discourse.
6. Some of the forums are very protective about the content that gets posted in the answers. They are very sensitive if links external to their site are posted as they term it as “site-driving” behaviour. This severely restricts the way in which the answers are posted on those forums.
7. Some forums (who do not employ archival mechanism) are very wary of people answering very old questions. It is termed as “bounty hunting” behaviour, a mechanism

by which a user gains prominence on their platform by engaging more and more with the others.

8. Among all of these hurdles, one of the ways that remains at the disposal with the larger communities talking about larger problems, is to rally behind the cause and ensure that the issues/solutions important to their cause get visibility by using the prominence gaining mechanisms (often termed as upvoting) en masse and get their voices heard.

Forum specific observations and interaction patterns:

1. StackOverflow-Serverfault:

This is by far one of the most dynamic and open discourse platforms for developers. There are not many restrictions to answering questions here, including giving links to the external resources. This platform has one of the largest developer base posting and seeking answers.

As a part of this activity, the issues discussed in the General observation section: 2, 3, 4 and 5 are relevant about this platform. If an inorganic discourse can be created out of the UA community, this platform can serve the UA cause in the most effective way.

2. Reddit (Various programming subreddits):

This also serves as one of the most open discourse platforms for the developer community. Of course, unlike StackOverflow, this platform has a wide mandate about the topics to be discussed and is not limited to only programming discussions. Though through the “sub-reddit” mechanism, the related and like-minded users come together, the non-programming users do introduce an element of “non-programming” discourse in the light vein which may not always be a hard-core programming based.

Nonetheless, the subreddits in this platform do talk to a very passionate developer community and this should definitely be on the radar of the UA community.

3. CodeProject:

This platform was found to be one of the most guarded platforms for answering and one should expect very stringent moderation mechanisms, often putting strict restrictions about how one can go about answers posted in here. This platform often hosts developers who have some difficulties in the specific areas of the code and seek community to help them out.

Engaging this platform has been by far one of the most challenging parts of this project as it involved getting disbarred as a user while learning how harsh checking happens of some of the answers you post. The observation points 6, 7 and 8 were specifically observed about this platform.

It is not exactly the case that the restrictions they pose are truly protecting the platform. They are definitely restricting the freedom of choice of answering mode. This explains why though this platform has good amount of userbase, but is lagging behind some of the other prominent platforms.

4. GitHub:

Primarily a code-hosting platform, this attracts some of the best developers in the world actually collaborating and dabbling into coding and discussing some of the most intricate

coding aspects. However, this discourse is often in the silos that get defined by the specific project on which they are working and remains very specific to the actual code.

Recently they did launch a feature called “Discussion” which enables larger GitHub community to get into the discussion mode about the things that could be related the project whose discussion they are entering into, or general topics surrounding that project. However, this feature is still maturing and not many such discussions have direct questions about the UA specific topics.

One of the ways to engage this platform through “Discussion” feature is to “Ask” if the given project supports/plans to support either IDNs, EAI related functionality. One can definitely expect the community to actively discuss those in the specific context of the project and (hopefully) subsequently implement as per their priorities.