UA Tech WG Meeting
05 July 2021

Attendees

Marc Blanchet
Sarmad Hussain
Rajiv Kumar
Satish Babu
Jim DelaHaunt
Abishek Mishra
Benjamin
Sana Younas

Agenda

1. Identification of the next areas of work from the workplan
2. Training development for WordPress (based on UASG032 [uasg.tech])
3. AOB

Meeting Notes

The Tech WG did a review of the FY22 working plan. The following projects were discussed under FY22 working plan:

- T1 - Research, identify and prioritize technology stacks for UA testing.
- T2 - Demonstrate how to plan for UA.
- T3 - Conduct technology remediation.
- T4 - Prioritize and develop training material.

Project T1 and T3 are finalized up till now. Project T3 is contracted out and proposals are being reviewed.

WG agreed to start its working on T2. Languages and libraries in UASG018A were considered as an initial point of discussion for this project. It was discussed to include those libraries and languages that are impactful from development perspective. Since there is no direct way to gather such information so an alternative route was considered. According to which a random shortlisting will be made of frameworks listed in UASG018A. The list will then be displayed to the community for further discussions and suggestions.

The purpose of Project T2 is to write pieces of code that can make a non-UA compliant library complaint one. It will help developers to make libraries UA compliant easily and effectively.
Another way to solve project T2 is to contact those communities who successfully solved UA related problems and are willing to share their experiences. This will help to target potential libraries and shortlist problems commonly faced by developer community.

As a starting point, three languages are shortlisted from UASG018A, i.e., Java, JavaScript and Python. Four libraries are considered under Java - commons-validator, guava, ICU and Jakartamail. Two of them are UA ready and two of them are not. It is also useful to consider UA complaint libraries to provide sample codes to correctly use UA. In case of non-UA compliant libraries, it might not be straightforward to provide a sample code to fix the library. In such cases, explicit instructions can be provided to fix breakage in library. Three libraries are considered under JavaScript – nodemailer, IDNA-uts46 and validator. For Python, work conducted earlier will be considered to shortlist libraries.

WordPress is IDNA perspective compliant but not EAI perspective compliant. According to a survey, 40% of websites are built using WordPress. A training is developed by Russia to support Cyrillic email addresses. It can be further modified. This agenda can be bundled with project T2. One suggestion is to cover core CMS of WordPress and 1 or 2 plugins as well. To fix EAI feature support in WordPress, we can do a file bug reporting since WordPress community is quite active.

Next agenda of this meeting was identified as further shortlisting and finalizing libraries for Project T2.

Next meeting: Monday 19 July 2021 UTC 1600-1700

Action items

No.	Action Item	Owner
1	Find a company/community who have successfully solved UA related problems and are willing to share their success story.	Sarmad, Satish
2	Select two libraries from the python language listed in UASG018A.	Sarmad