

UA Technology WG Meeting

9 December 2019

Attendees

Dennis Tan Tanaka
Dessalegn Yehuala
Ejikeme Egbuogu
Hazem Hezzah
Jay Paudyal
Katambi Joan
Marc Blanchet
Satish Babu
Sarmad Hussain
Yusif Amadu

Agenda

1. Review of [work item](#) on evaluation of programming languages

Meeting Notes

The members reviewed the work item on programming languages. It was noted that the evaluation should build on UASG018.

It was also raised if remediation could be done in a separate work item as it may require a communication effort vs. a technical effort for evaluation. The members agreed to focus on evaluation in this work item. Bug fixing may also require more time and may still not be incorporated by the maintainers. Also, alternate libraries can be found which support UA readiness instead of remediating in some cases. In the latter case, messaging may be needed for technology developers to use the right library. This could be taken up as recommendations following the evaluation.

There are three distinct steps:

- i. Testing and evaluation
- ii. Remediation in conjunction with technology enablers
- iii. Communication to tech developers.

The current work item would focus on testing and evaluation. The members discussed if the work on Java and Python is already done in UASG018 or more effort is needed. More detailed testing may be done, e.g. by testing mailers, and adding more programming languages. It was shared that most used libraries in Java have been tested, so it is a good start. It is useful to add mailers. Also, Android platform was not tested for Java.

In summary, it was agreed to include:

- Mailers for Java and Python

- Java for Android

Additional languages may also be included in the work item for testing them for UA readiness on relevant platforms. Multiple options for PC and mobile platforms were discussed. It was concluded that the following may be included (Rust has been done):

- Java (Android)
- Javascript
- Go (as a replacement of C++)
- PHP (though old but many CMSs and Wikipedia developed in it)
- C#
- VB.net
- Kotlin (Android)
- Swift (ios)

The group also discussed whether it would be useful to test different frameworks or are these covered by evaluation of the languages. It was shared that it would depend on the language. As it is not possible to cover all options, it was decided to cover at least one more popular framework in each case, as it may enhance the functionality of a programming language.

HTML 5.x was also raised for possible testing. This was discussed earlier in the UASG. HTML has a specific email box which is UA ready but WHATWG (of browsers) is not implementing this recommendation. This is a problem which needs to be resolved, which is a communications problem.

Next call in the new year.

Action items

No.	Action Item	Owner
1	Update work item based on discussion and finalize in the next call	Sarmad