**Translation Web Tool**

**Implementation Proposal**

**Summary**

Translation Web Tool (TWT) is an application proposed to be used mostly by the testers to generate a text file containing translation corrections for Extenda applications (application translations are usually stored in \*.properties files on source repository) in a well-defined format, processed further by upload translation tool.

**Assumptions**

1. Since the correction data come usually from customers or translation agencies in non-standard formats, it’s impossible to fully automate the correction of translations process – this requires a software with suitable UI
2. Web is the most convenient and practical platform for TWT – can be run on different OS, remote or local, easy to deploy
3. Since the correction process workflow is well-defined, a SPA (Single Page Application) based on HTML5 and AngularJS is proposed
4. At first step no data provider for translations is needed – all application translations (~30 MB in XML format for specific application) can be uploaded and processed as JSON data; however, if performance will be affected by big data or processing load it is possible to replace uploading of XML file with REST or SQL data provider
5. UI is based mostly on typical text files manipulations of testers for correcting translations (see [mockup](https://moqups.com/dujacorneliu@gmail.com/H48kwVfG)) in a more convenient way

**Workflow**

1. Run application (remote link or local HTML file)
2. Upload data (debugPOS.xml, debugPOS.xml)
3. Enter find criteria (text, applications, language, etc.) and replace text
4. Search data
5. Select all or custom from the left panel to add entries to the right panel
6. Repeat 2-6 for new correction
7. Download result file

**Estimation**

Development implies mostly JS coding with minimal HTML layout and can be divided in

1. 3 man days – first output
2. 2 man days – bugs fixing and change requests implementation after testers feedback