applicability. For example, applications based on browser plug-in technologies are not supported.

To demonstrate the feasibility of our generic transformation approach, two existing web applications have been transformed into multi-user applications with shared editing capabilities. Both editors were evaluated with respect to software and collaboration qualities. The results of an extensive user study showed that the transformed editors decently support collaborative work. In particular, characteristics like functionality, usability, efficiency and coordination were constantly assessed with high ratings meaning that users were satisfied with the offered support. However, especially the reliability and awareness aspects leave room for improvement.

The conducted user study has revealed the importance of awareness features in shared editing sessions. Therefore, in future GCI releases, the workspace awareness will be revised and extended. In addition, the GCI will be extended by an operation composer to reduce the number of synchronization messages and eventually to improve the GCI performance.

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