TESTOMAT PROJECT
The Next Level of Test Automation

D3.11 TESTAR Evaluation at Selected TESTOMAT Partners

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TESTAR evaluations in TESTOMAT Project

TESTAR is an open source tool for scriptless test automation through the graphical user interface (GUI), www.testar.org. TESTAR and scriptless GUI testing was evaluated by many industrial partners of the TESTOMAT Project, shortly described in the following subsections.

Ponsse (Finland)

TESTAR was integrated into the continuous integration process of Ponsse. The collaboration between Open University of the Netherlands and Ponsse has been described in a joint publication:

- *Continuous Piloting of an Open Source Test Automation Tool in an Industrial Environment*
  Pekka Aho, Tanja E. J. Vos, Sami Ahonen, Tomi Piirainen, Perttu Moilanen, and Fernando Pastor Ricos, in proceedings of Jornadas de Ingeniería del Software y Bases de Datos (JISBD 2019),
  https://biblioteca.sistedes.es/wp-content/uploads/descargas/2019/JISBD/2019-JISBD-041.pdf

After the publication, the evaluation was continued on a new version of Ponsse forestry machine software, still under development. TESTAR found issues that had not been found by other testing processes of Ponsse.

Prodevelop (Spain)

TESTAR was integrated into the continuous integration process of Prodevelop, with a special focus on remote test execution. The collaboration between Open University of the Netherlands and Prodevelop has been described in a joint publication:

- *Deploying TESTAR to enable remote testing in an industrial CI pipeline: a case-based evaluation Conference*
  Fernando Pastor Ricos, Pekka Aho, Tanja Vos, Ismael Torres Boigues, Ernesto Calas Blasco, and Hector Martınez Martınez, in proceedings of International Symposium On Leveraging Applications of Formal Methods, Verification and Validation (ISoLA 2020)

Kuveyt Turk Bank (Turkey)

Kuveyt Turk Bank evaluated the new web testing support of TESTAR with their online banking application. TESTAR was executed by the test engineers of Kuveyt Turk Bank in their internal test environment, and Open University of the Netherlands provided support and fixed reported issues in TESTAR. A joint publication on the collaboration is being written.

Kuveyt Turk Bank found many issues on their web applications and gave many suggestions for useful improvements on TESTAR. The collaboration is still ongoing.

Testwerk (NL)

Testwerk evaluated TESTAR and its new features on their customers' software, including Java applications, Windows desktop applications and web applications. TESTAR was executed by the test engineers of Testwerk, and Open University of the Netherlands provided support and fixed reported issues in TESTAR.