License Thesis theme: Smart SCRUM tools for Agile methodology

Dissertation Thesis theme: Application Performance Monitoring of a Web Application offering Smart SCRUM tools for the Agile methodology

Description:

The first step of the dissertation thesis is to monitor and evaluate the web application developed for the license thesis through several tools available on the market and specialized for this purpose. Therefore, by means of these software products, a complete performance monitoring of the application will be obtained. The results collected will offer an accurate overview of the project by using a series of measurements to assess the memory consumption, the number of threads running in parallel, the number of users acting simultaneously to take advantage of various services offered by the web application, and several other relevant metrics.

The next phase of the dissertation is to develop code improvements for the implemented license thesis application without providing any new functionalities. Afterwards, the same performance monitoring tools will be used to assess the optimized application and provide results gathered through a series of measurements.

Finally, the dissertation thesis will compare these two sets of results (before and after developing code improvements) and offer indicators describing the outcome of the optimizations performed on the project. Therefore, we will obtain percentage values expressing the performance enhancements acquired by improving the initially developed source code.