



The Computerworld Honors Program

Honoring those who use Information Technology to benefit society

Final Copy of Case Study

YEAR:
2012

STATUS:
Laureate

Organization:
KW Foundation

Organization URL:
www.kwfoundation.org

Project Name:
KW Social Network

What social/humanitarian issue was the project designed to address? What specific metrics did you use to measure the project's success?

The KW Social Network is a scenario to create, publish and exchange knowledge of users who can not program. This knowledge is compatible with applications that can improve their behavior, helping the professional at the point of care. The first success story happened in the National Cancer Institute of Montevideo. The beneficiaries were the human resources in charge of the Medical Records Department and, most importantly, patients with cancer. The system implemented was a collaborative tool for all actors that wish to contribute their knowledge, becoming stewards of success. Today, there are 10 institutions in health care using this scenario, and the knowledge is constantly growing. Everything has been from an honorary KW Foundation grant. From this development, other implementations began to create a social network of knowledge sharing. Cluster components are KW Cluster, KW Builder, HealthStudio and KIP. The beneficiaries of this initiative are currently 500,000 patients, 1,000 health professionals and 12,000 students. The KW initiative has been launched also in Costa Rica, Central America, as a starting point.

Please describe the technologies used and how those technologies were deployed in an innovative way. Also, please include any technical or other challenges that were overcome for the successful implementation of the project.

KW Foundation needed to develop large amounts of code quickly because everything is honorary. We use a 4GL tool called Clarion Enterprise Edition. This lets you use a data dictionary as metadata that is independent of the database engine. Innovation comes in the introduction to the KW design philosophy, now called KW Driven Databases and Software. Its flexibility is such that it has become the main component of the KW Cluster, a group of reusable components of knowledge to the middle tier applications. In the first stage are 32-bit executables that are Windows-compatible and can be virtualized on a Linux platform. This is a hybrid architecture: a cloud and intranet platform. With the increasing processing power offered by mobile devices, all the tools may be used in iPads and smartphones. The virtual campus is part of the KW Social Network, and it has been developed with moodle.

Please list the specific humanitarian benefits the project has yielded so far.

1. Cancer patients. 2. Patients and general practitioners. 3. College students. With the KW Social Network, students can write their thesis in a reusable and innovative format. 4. All people need training in point of care, to increase assertiveness, save lives and improve the quality of life. 5. Content providers. 6. Whole generations of people now can make their contribution to the information society, leaving a lasting legacy. 7. Social networks. 8. Democratization of knowledge management for individuals, organizations, countries and social networks.

Please provide the best example of how the project has benefited a specific individual, enterprise or organization. Feel free to include personal quotes from individuals who have directly benefited from the work.

The project has not yet been completed. KIP module (Knowledge Interchange Platform) needs to develop SOA technology (10%). The database and modules KW Builder, HealthStudio and Cloud Studio already have been developed (90%).

BEST EXAMPLE OF HOW THE PROJECT HAS BENEFITED A SPECIFIC INDIVIDUAL, ENTERPRISE OR ORGANIZATION: