No code platform for healthcare

Cloud-based application platform for modeling eHealth applications

Why our Platform?

Platform enables both Philips VitalHealth and its partners to develop web-based software for the healthcare sector that can be hosted as cloud based, scalable applications. These applications can be centrally managed and can be used for medical environments with embedded decision-making support and role-based access. Platform-based applications are adjustable to new insights and developments in the healthcare sector. Extension of these web-based applications with specific mobile apps is possible.

This platform is used to model healthcare applications as opposed to development using traditional coding techniques. Domain experts from the healthcare sector that may have limited affinity with software technology can define knowledge concepts (archetypes), code systems, processes and medical rules. This enables them to adjust the application in the event of requirements changes, which in turn means the gap between care providers and IT can be bridged.
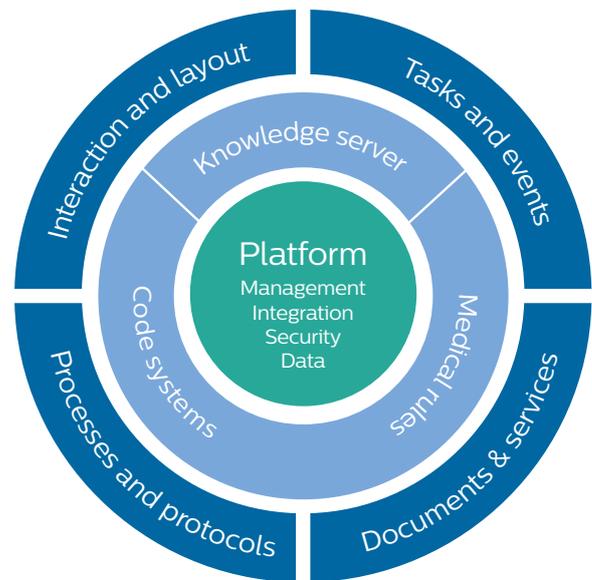
Advantage of our Platform

· The application functionality is implemented without traditional programming.
· Knowledge-based and entirely focused on healthcare, with support for protocols, code systems and medical rules.
· Needs and requirements are adopted faster due to model-based architecture.
· Cloud based applications/apps are accessible via the web from desktop, tablet and smartphone.
· Open communication and integration architecture based on technologies such as XML, CCD, HL7, OZIS and web services.
· Role-based, with possibility to personalize applications.
· Modular design and reuse.

Knowledge-based eHealth applications

Our society is aging, due to which the demand for healthcare and the costs thereof are on the rise. At the same time there is an increasing shortage of qualified medical professionals. More and more often an appeal is made to primary care, and a shift is taking place from reactive to proactive care. These factors combined lead to an increased involvement of IT in the primary care process, in which multidisciplinary cooperation becomes important in providing personalized care.

The need is growing for knowledge-based healthcare in which guidelines, checklists and regulations are taken into account in software applications. Any changes that occur can then quickly be adopted. Developments such as these have a major impact on the work processes and supporting software used by healthcare professionals.

The traditional forms of automation, in which technology plays a major role, may no longer suffice. Service-oriented architecture, workflow and process management tools now form key elements in new automation processes, and flexible systems enable the accessibility of such elements. This does not, however, bridge the gap that exists between healthcare professionals and IT, given that IT will still need to accommodate the specific functional needs and workflows of individual practices or care providers. Versatility is probably only achieved with the care provider behind the wheel as well. For this reason a new generation of software is developed that enables professionals to configure processes and applications themselves. The Platform makes all of this possible.

Functionalities

· Configurable at the end-user level.
· Modeled decision-making support via rules.
· Built-in knowledge management engine for building healthcare applications.

All Philips VitalHealth solutions are based on the Platform. The platform can be used as a basis for building, among other things, disease management and collaborative health care solutions for both care providers as well as the patient.