Application Deployment Module

INDUSTRY CONTACT

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BACKGROUND:

Chemotherapy Appointment Reservation Manager (CHARM) is the first-ever system developed by ByKart Software Ltd. It was created to help simplify the task of booking chemotherapy treatment appointments, as well as allowing for scheduling optimization over time, by enabling the analysis of performance metrics for use in adjusting the business rules. Hospitals have mission critical legacy applications that CHARM connects with or replaces. As a result, an application deployment tool is required to install and integrate Bykart's suite of products found in CHARM into the existing hospital software infrastructure.

OBJECTIVES:

- To design a system that can automate the configuration process and allows simpler plug-ins to legacy systems.
- To design and develop a wizard that reduces the level of expertise and experience needed to conduct a seamless implementation of Bykart's suite of products.

OUTCOME:

In collaboration with Durham College (DC) students and faculty, CHARM was updated to include a new system architecture and interface. This application deployment tool is wizard-based and guides users through the process of gathering the required datasets that are needed for the application to run in a client's specific environment. Using the wizard simplifies the steps needed to create the deployment for individual clients by detailing each step and providing example data-input template files.

This allows Bykart's strategic alliance partners to be able to easily implement their software with a high level of precision, which is proving to be an important factor in lowering the initial cost of adoption. This is key for a subscription model with low upfront revenue. In addition, it makes it easier to upgrade clients when necessary and could allow clients to do much of the work to upgrade the software themselves.

Bykart is now in the process of developing strategic alliances with companies that already have installed mission critical software in hospitals across North America. This will help establish its track record in the provision of mission critical systems to demonstrate CHARM's effectiveness and Bykart's legitimacy as a system provider.

THIS PROJECT WAS MADE POSSIBLE THROUGH A PARTNERSHIP WITH:

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