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DataArt Educational Industry Expertise Fact Sheet

DataArt is a leading provider of high-end software outsourcing services for SMEs, specializing in enterprise application development, system integration and business automation tools, with industry-specific software expertise in financial, educational, telecom, and media sectors. Headquartered in New York City, DataArt runs R&D centers in St. Petersburg and Voronezh, Russia, in Kharkov and Kherson (Ukraine) and maintains offices in London, UK. In 2006-2007, DataArt was named one of the top emerging outsourcing providers worldwide by BusinessWeek, CMP's Global Sourcing 100 and by International Association of Outsourcing Professionals.

DataArt provides custom software development and systems integration services for educational industry combining the best talents, processes and specific industry expertise to offer top-quality cost-effective solutions. We have built successful solutions, which earned us an exceptional reputation for efficient project management. The applications we have created support multiple standards from k12 to higher education standards as well as standards for particular states.

Educational modules together with the opportunities provided by the Internet not only ensure more effective educational process, but also allow students to get acquainted with the latest technologies which was impossible before without the use of Internet and computers.

Educational Modules

Educational modules are a real break-through concept in the educational field that implies high-speed access to knowledge and information. It offers online training that can be delivered anytime and anywhere through a wide range of electronic learning solutions. Educational modules can support the needs of schools, high schools and universities, by increasing the reach of the learning environment to include those separated by time and space. As a result, this approach attracts increasing numbers of students and makes learning materials more accessible. It supports both the learner and the educator in a number of ways. For instance, different learning styles can be catered to, helping educators reach more students in various ways, and enabling more students to learn the course material.

The use of educational modules offers the following benefits:

- Timely access to relevant information
- Better perception of content thanks to the personalized learning
- Improved collaboration and interactivity among students
- New opportunities allowing to introduce the most up-to-date concepts and knowledge
- Substantial cost savings

Service Offerings and Software Solutions

Recognizing the potential of educational modules, DataArt has engaged in this business a while back and has become an expert in this area. Through a number of projects, DataArt has built substantial expertise in producing educational modules systems in the following fields:

- Learning management
- Courseware authoring
- Industry-specific standards (SCORM)

DataArt participated in the development of the Learning Management System currently installed in several school districts in the U.S. and UK. This scalable solution works as an educational portal which provides learning materials for thousands of students from various schools.

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DataArt continues to strengthen its SCORM expertise as it's a leading e-Learning standard currently supported by the government, academia and the private sector around the world. SCORM allows to develop reusable, interoperable, durable and accessible Learning Objects, which once created can be used in a variety of courses, effectively facilitating the education process at fraction of the cost.

Content Management Systems (CMS)

One of the projects developed by DataArt is a Web-based content management/authoring system (CMS) for providing on-line teaching and learning, implemented on the ASP.NET platform.

The system included the following modules:

- **Authoring**
Allows users to.
 - create and edit content pages with the help of a wizard
 - create and edit quiz page with the help of a wizard
 - create a new Searchable Content Object (SCO)
 - include pages' batch in a SCO
 - delete pages
 - change the order of a page in a SCO ("Move page up" or "Move page down")

- **Test Builder**
Allows users to
 - create and edit test pages
 - create and edit text

- **Courses**
Allows users to
 - create and edit courses with the help of a wizard
 - move an SCO up and down to out them in the correct sequence
 - copy an SCO from one course into another
 - launch a course

Solution Highlights:

The system is a fully web-based content management/authoring system (CMS) implemented on the ASP.NET platform (it can be used on Internet Explorer v. 5+)

Learning Management System (LMS)

Another example is the Learning Management System

The browser-based portal solution allows administrators and teachers to track student, class, school and district data, set assignments, and produce detailed reports. The convenient information presentation helps educators and district and school administrators make more effective decision about curriculum and instruction.

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LMS supports individual state standards and can be configured accordingly. Educators can generate customized assessments choosing from over 14,000 reading and math questions. LMS creates a single centralized location for student data management, assessment and tracking that sharply reduces the cost of ownership for the district.

The advanced browser-based technology in LMS offers a number of important new benefits for districts:

- Anywhere, anytime learning: LMS allows schools to extend the learning day by delivering standardized content to anyone with an Internet connection, whether at school or home, via LAN or a dial-up connection.
- Improved productivity and efficiency: The system facilitates district-wide data management from a single location.
- Flexible delivery: Curriculum can be managed from any location, so teachers can review student achievements and make assignments without having physical access to servers.
- Cost effective: Centralized district deployment which requires minimal hardware. Single-point administration and maintenance greatly reduces the total cost of ownership.

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