

Development of Internet Conversion Application for Achievement Technologies



Challenge

- » Overcoming inherent limitations of delivering interactive learning content to the Internet.
- » Develop a solution with necessary compression ratio.
- » Develop a solution to satisfy technical requirements.

Results

- » Orbital was able to deliver the Internet conversion application on time and on budget.
- » Achievement Technologies was required to allocate minimal management resources to the project.

Value

- » Achievement Technologies was able to extend use of SkillsTutor™ content to the Internet.
- » Achievement Technologies was able to offer its customers an entirely new and meaningful user experience.

“Orbital is an innovative and professional company that has provided Achievement Technologies with valuable software development services. We are very happy with our decision to use Orbital, as their expertise has translated into a distinct competitive advantage for us. Overall, Orbital is a great company to work with!”

-CTO, Achievement Technologies Inc.

Achievement Technologies Inc. provides a variety of market leading educational productivity tools to support student achievement in K-12 and adult learning environments. SkillsTutor is a product line offered by Achievement Technologies that provides their customers with instruction and test preparation.

Orbital was secured by Achievement Technologies to develop an application that could convert educational content developed by SkillsTutor so that it could be used for interactive learning over the Internet.

The key design considerations employed by Orbital were based on the fact that the SkillsTutor educational content, as presented over the Internet, needed to provide an engaging, meaningful and effective learning experience for customers of Achievement Technologies.

Orbital was able to successfully deliver on this project by building a specialized conversion application that would allow the team at Achievement Technologies to selectively convert SkillsTutor educational content for use on the Internet, meeting the needs of its expanding customer base. This solution was technically rigorous and satisfied all usability requirements.

“Orbital’s development of an Internet conversion application for Achievement Technologies required an out-of-the-box, value-added solution.”

The project took 12-person months to complete, and Orbital was able to deliver a final product to Achievement Technologies on time, and on budget.

“Orbital’s development of an Internet conversion application for Achievement Technologies required our team to develop an out-of-the-box value-added solution. In the end, we were able to successfully develop this product, given the experience and intense focus of our development team,” said Aryn Rajan, CEO of Orbital Technologies Inc.

In building the Internet conversion application, Orbital devised a solution that would allow for significant compression of each SkillsTutor file to a level that would permit rapid and effective publishing of this valuable content to the Internet.

In managing the project, Orbital’s project team was careful to ensure that each distinct action item was properly executed in accordance with the overall project plan. Specific tasks included setting

up an authoring system, creating an intermediate language for the converter to interact with other tools, developing a text composition engine, and providing for the creation and management of specific Internet-based formatting considerations.

As a result of this project, Achievement Technologies has been able to convert popular SkillsTutor educational content, such as SkillsBank™ 4.0, so that these programs can be offered through a new “virtual” channel, using the incredible power and reach of the Internet. Orbital is proud of its involvement on this project.

About Orbital Technologies Inc.

Orbital Technologies Inc. (www.orbitaltech.com) is an established and trusted leader in software development services that provides custom software solutions across a range of platforms and technologies, including Windows, Mac, UNIX, Linux, .Net, J2EE, J2SE, J2ME, Apple iOS, Android, Windows Phone, Palm webOS, Symbian OS and other mobile embedded systems.

Orbital specializes in developing software for software companies. Orbital works with the world’s leading software and technology companies – like Achievement Technologies, Adobe, Broderbund, Business Objects, Microsoft, and Riverdeep – to develop custom software components or entire applications for often complex or resource intensive projects.

For more information about Orbital’s services, visit www.orbitaltech.com or call +1 604.681.7237.

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