*Power*Vision | Solution

PowerVision Brings PageWriter 2000 Training Home!

Due to the increased demand of the popular PageWriter 2000 Classroom Programming Course that PowerVision developed, Motorola's FLEX Programmable Products and Applications Division (FPPAD) asked PowerVision to create a self-study training course. The self-study course will be used by third-party application developers to program applications for the **PageWriter™ 2000** device, using the **FLEX Script Integrated Development Environment** (IDE). The training solution includes a detailed Training Guide which includes self-paced exercises that the learner completes using the actual IDE (not simulations).

The Need for a Self-Study Training Course

Motorola recently introduced a new personal messaging device called the PageWriter 2000. This device is a **revolutionary** new two-way pager with a QWERTY keyboard and graphics display that allows you to communicate wirelessly with Internet e-mail addresses, fax machines, and other pagers. In addition, the PageWriter 2000 can be connected to a PC to allow users to install new software applications.

The PageWriter 2000 is based on Motorola's FLEX Operating System (OS). All FLEX OS devices support FLEX Script, a simple and powerful programming language for wireless messaging applications running on handheld communications devices. To facilitate the development of third-party applications for the PageWriter 2000, Motorola developed the **FLEX Script IDE.** The development environment is a visual screen design and programming tool created to facilitate the development of applications for FLEX Script messaging devices. With the IDE, application developers can easily perform rapid application prototyping, development, testing, and deployment on their PCs for any FLEX OS devices.

It was imperative to Motorola that a structured course be quickly developed to train

Spring 1998

third-party application developers to program in this environment to promote the PageWriter 2000 and FLEX technology.

PowerVision's Training Solution

Due to the technical nature of this project, PowerVision teamed its Information Solutions Group and Technology Training Group to develop a training solution. PowerVision recognized the need to develop in-house subject-matter experts to draw upon, in order to minimize the time required with Motorolan developers. The PowerVision team quickly came up to speed on the FLEX Script programming language, the IDE, and how to create applications for the PageWriter device.

After gaining a complete working knowledge of the technology involved, PowerVision was in a good position to develop the course. As a result of a four month effort, the implemented training solution includes a Participant Guide, interactive exercises, PowerPoint presentation, and Instructor Guide.

- The in-depth Participant Guide comprises 8 modules and over 350 pages. It contains helpful hints and detailed instruction for programmers.

- The interactive exercises were created by PowerVision's Information Solution Group using the FLEX Script IDE. Each exercise was designed to build on the previous exercise to present the entire software development life-cycle of a PageWriter application. The participants are provided with a "template" source file to complete for each exercise and a "solution" source file to check their work. The advantage of this structured training technique is that participants will have working examples to refer to when they are developing on their own.

- The course was designed for classroom instruction, and as such contains a PowerPoint presentation and Instructor's Guide. The Participant Guide contains snapshots of the slides presented so that participants can follow along and take their own notes. The Instructor Guide comprises the Participant Guide with the addition of Instructor notes to provide helpful training tips to refer to while teaching the course.

Train-the-Trainer sessions and the pilot offerings of the course were led by a PowerVision instructor and were met with great approval. Participants, both Motorolans and third-party developers, were impressed with the class materials provided and said they would definitely refer to the Participant Guide and exercise solutions when building applications on their own. Due to increased popularity of the PageWriter 2000 and PageWriter Programming Course, there is a waiting list to get in the class; therefore additional instructors will be trained and the course will be taught at multiple sites, both domestic and international.

Business Area:
- Instructional Design and Development/Classroom Training

Key Technologies:
- FLEX Script programming language and Integrated Development Environment
- MS Word/PowerPoint

PowerVision's Role:
- Instructional Design
- Development of Training Materials

PowerVision is a service mark of PowerVision Corporation. All other company and product names are used for identification purposes only and may be trademarks of their respective owners.

page 2

Accolades:

"The PageWriter 2000 development training class was clearly one of the best development training classes that either I or my staff have ever attended. Concise and well prepared, the class wasted no time yet spared no detail. It gave a true and fair perspective on the platform that allowed our developers to 'hit the ground running'. Other development training classes should be measured by the standard set by the PageWriter 2000 class." – Mark Frederiksen, President, MicroBurst Inc.

"Most effective use of our time for developing an enriched solution. I highly recommend it." – Chirag Patel, President, Corsoft Corp.

"I found the IDE course to be invaluable to the development of applications on the Flex Script OS. Anyone new to the Flex Script language, should take this IDE training course." – Andrew Velez, Managing Partner, WorkGroup Consulting Services