



Tablet Survey Application for County School System Improves Mobile Data Collection Process Efficiency

Industry
Education

Client Detail
Montgomery County Public Schools (MCPS), located in the Washington D.C. suburbs, is the 17th largest school system in the United States.

Background
MCPS sought to improve its methods for documentation while conducting walk-through inspections of its facilities and classroom performance assessments by moving from a paper-based system to a digital mobile solution.

Solution
RDA developed a tablet survey application that enables senior school administrators and principals to document notes and observations as they walk through schools.

The application was initially created for principals, who complete a checklist and take notes on facility and classroom performance related issues as they conduct school walk-throughs. It includes a feature that allows the principals to color code survey components according to the six standards against which their schools are measured by the county. They can then produce a report that categorizes the observations by standard.

Two additional survey formats were created for county school superintendents, who evaluate the principals and schools. Their formats are more structured and include scheduling features that enable superintendents to plan inspections to a very detailed level. Surveys may be saved separately, or synchronized for a summary document that compiles all of the data into a single survey. They may also be synchronized in real time among superintendents while surveys are being conducted.

Technically Speaking
This application was created using RDA's Intelligent Mobile Framework (IMF), a customizable tool set that enhances the quality and speed of mobile and decentralized data collection, dissemination and reporting. RDA created the framework based on extensive experience developing surveying, inspection, and other dynamic data collection applications for a variety of businesses and organizations. Founded on Microsoft .NET technology, the IMF consists of a central engine and reusable set of components used to deliver end-to-end solutions.

In addition to IMF, RDA incorporated Microsoft Web Services Enhancements 2.0 for this project.

