

Case Study: Application Development

How a Government Organization Streamlined Data Availability with Anytime, Anywhere System Access

Organization

A government organization that oversees the design, construction, maintenance, and management of public infrastructures

Solution

Implemented a web-based application designed to eliminate manual data entry and enable faster data access anytime, anywhere

Challenge

Limited data accessibility and lack of flexibility due to a legacy system application, resulting in a highly manual and tedious process

Benefits

Reduced system lag, improved system accessibility and flexibility

The client is a government organization that oversees the design, construction, maintenance, and management of public ways, transit stations, streetlights, traffic signals, signs, pavement markings, and streetscapes for sustainable infrastructure design and development. They work to ensure that these infrastructures function safely and efficiently and all projects are on track.

Challenges

The organization was using an old application based on Visual Basic technology, which provided limited accessibility and flexibility.

In the old system, the crew worksheet data and schedule information were mainly handled in paper format. Foremen had to manually fill out worksheets, which were then sent to the back office for data entry into the system. Due to the multiple stages involved, there was a significant backlog and delay in data entry and data availability.

Solution

Senryo Technologies redeveloped the organization's application as a web application using Senryo's Application Development services. The approach is to design a solution with a Project Primary Interface, which will allow the organization's end users to access data entry forms and perform direct data inputs through the web, thus eliminating the cumbersome paper worksheets.

Benefits



Enabled web-based data entry forms for crew worksheets that can be remotely accessed by end users using their devices



Enabled data input directly into the system



Eliminated the separate data entry step at the back office



Eliminated lags in data entry, ensured faster availability of the data in the system



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