

## Client Description

The Client, First American Corporation is US largest Real Estate Information Services Provider. It is one of the Fortune 500 Companies. It incorporates family of companies which oversees the Real Estate business for the different states of United States of America. It's one of the subsidiaries; Data Trace (New Jersey) monitors extensive DTNJ Order Management System that includes order generation, tracking, judgments, property verification, and confirmation tracker.

## Project Description

Mercury System is a fulfillment and distribution system that mainly works with NJ Tax orders. Its main purpose is to complete NJ Tax Orders. This application is interlinked with DTNJ Order Management System.

Mercury System contains tablet application which is used for downloading and uploading orders while making order fulfillment process easier and faster.

When user places an order regarding NJ Tax in the DTNJ, ATS window service gets this order to the Mercury System where through downloading, order is sent to the Tablet application. Field officers then fill the order requirements and upload that order again. This order is sent to Mercury Management System (MMS, a web based application running in Mercury System) where on submitting, order is sent back to the DTNJ.

## Business Challenges/Issues

The challenges which confronted at the time of Mercury System development are as follows:

- Replacing manual functioning of the previous application
- Lack of proper documentation.
- Attention was paid to the application interface to give it a new look.
- Enhancing application performance.
- Evaluating and implementing technique / strategy to reduce function time.
- Controlling mistakes/errors due to manual functioning of the previous application.

## Key Consideration and Approaches

- Automated system is designed in order to improve functionality and performance enhancement.
- A tablet application is introduced in the Mercury Management System for downloading or uploading orders.
- Web services are used for providing better communication infrastructure between tablet application and server.

## Benefits

- Search criteria have become better.
- Accuracy of timeliness search has improved through its advance search options
- System meets the latest technological grounds.
- System has proper role based security mechanism
- System contains the proper documentation.
- System follows the software development standards.

## Technology

- Server Machine:
  - Window server 2003
- Clients
  - Windows 2000
  - Windows ME
  - Windows XP Professional
- MS Visual Studio 2005 was used for all Presentation Layer development.
- MS SQL2000 was used as backend database server

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