



DMV : Automated Multiple Choice Knowledge Testing System

Customer Need

- **Develop a web based Knowledge Testing System that runs on “touchscreen” terminals at 180 DMV Field Offices.** The benefits include; reduced paper cost, reduced fraud , reduced man hours for grading exams.
- **Implement a pilot in one field office and expand to all field offices eventually**

Solution

- **3-Tier J2EE Architecture:** Application was built using Presentation, Application and Data Access Tiers.
- **Randomized Tests :** The key to reducing fraud was to create tests that had a randomized set of questions.
- **Intuitive Tests:** “Touchscreen” terminals and highly intuitive UI for great customer experience
- **Field Office Operations:** Streamlining of field office operations involved providing the field office

Team Composition

- Project Manager, Software Architect, Java Developer, Business Analyst, Tester.

Tools/Technologies Used

- Java/J2EE ,Spring, Hibernate, Javascript, IBM DB2, Rational Software Architect, Rational RequisitePro, HP ALM,