Family ReEntry Agency is a non-profit agency located in Bridgeport, CT whose mission is to develop, implement, and share innovative, sustainable, effective solutions to the unprecedented numbers of people involved in the Connecticut criminal justice system. Since 1984, its effective community-based programs have significantly reduced the likelihood that a client will re-offend, be re-arrested, or be re-incarcerated.

The Family ReEntry Data Management application for Family ReEntry Agency in Bridgeport was developed by a Capstone Project team in Software Engineering at Fairfield University. The application provides case managers with a web based database system that is used for data collection and reporting. User access is secured by Log-in and assignment of roles (Admin, Program manager, Reports) limits access to different programs and tools. The system was developed using Spring MVC Framework which allows for the separation of input logic, business logic and UI logic.

Family ReEntry Data Management Application

- Our team successfully built a web application that fills the needs and requirements of the Family ReEntry Agency to improve data collection and reporting functions. By designing an interface that is easy to navigate, Case managers will now be able to quickly produce reports and time is given back to the client, who is making important behavior changes that will lead to a healthier crime free life. The Family ReEntry Data Management application will be deployed for use in the near future.

CONCLUSION

TECHNOLOGIES/FRAMEWORKS

- Spring MVC framework, is the leading technology for building web applications. Spring MVC provides a clean component model that makes building scalable, web applications that are testable, and grounded in best practices a breeze.
- Apache Tomcat (or simply Tomcat) is an open source Web server and servlet container developed by the Apache Software Foundation. Tomcat implements the Java Servlet and the JavaServer Pages (JSP) Specifications from Sun Microsystems, and provides a “pure Java” HTTP web server environment for Java Code to run.
- JavaServer Pages (JSP) is a technology that helps create dynamically generated Web pages based on HTML, XML or other document type. Released in 1999 by Sun Microsystems and now supported by Oracle Corporation.
- MySQL, the most popular Open Source SQL database management system, is developed, distributed, and supported by Oracle Corporation.

OVERVIEW

- All Data is entered into 1 very large Excel spreadsheet table
- Data Entry is limited to one user and is located on one local desktop
- Reports for the CT. Department of Corrections are compiled manually monthly and bi-annually
- The current process is time consuming and lacks the ability to check for accuracy of the data
- Takes away from client care and does not make full use of data stored in the database

PROBLEM

- Family ReEntry Agency to improve data collection and reporting functions. By designing an interface that is easy to navigate, Case managers will now be able to quickly produce reports and time is given back to the client, who is making important behavior changes that will lead to a healthier crime free life. The Family ReEntry Data Management application will be deployed for use in the near future.

REFERENCE