**Application Proposal**

For my project, I will be looking to create an application for managing important client contact information. The information managed by this application will be client first name, last name, e-mail, phone number, address, and company name.

I am looking to use the following:

MVC – Will use this to structure the application to ensure it is modular and that the application is scalable in the future if one of the components needs to be replaced

**View Layer**

.jsp – create page to allow user to choose between new, edit, delete, and view existing.

ACP – based on user selection it will replace if statements for new, edit, delete, and existing contact functions.

.jsp – based on what function is executed in ACP, the appropriate page will display to add, edit, delete, or view contact info.

JUnit – Test adding new, editing, deleting, and retrieving existing contacts.

JSON and QCJSON – Convert JSON info into Java for importing contacts from another application.

Threads – Retrieve existing contact information to display in UI

**Controller Layer**

Collections – provide state list to form e.g. Virginia, West Virginia, etc.

HttpURL – send information to Servlet

Servlet – Process contact information and return contact information to an html page for confirmation.

Hibernate – Write entry information to MySQL

**Model Layer**

JavaBeans – Store the information captured in the Servlet

MySQL – Store the information captured in the Servlet

**Architecture**