**Software Design Document**

For this project; I will be creating a web application (client side only),

containing JavaScript, CSS, and HTML. The purpose of this project

will be to display an interactive, editable contact list. This contact list

will not be capable of persisting data to non-volatile storage. All

information will be stored in RAM. The components of this project are

laid out as follows:

● An HTML file, containing the main logic for the application

(including JavaScript, references to CSS, and references to

stylesheets)

● Bootstrap -- A CSS library for making websites look good (see

http://getbootstrap.com/)

● jQuery -- A JavaScript library for making everything work

cross-browser

The HTML body will consist of a table, and a DIV, which will

normally be hidden, unless an entry in the table is clicked on. The DIV

will serve the purpose of editing the contact list. When an entry in the

list is selected, the DIV will display as a Bootstrap modal dialog box,

and will allow the user to change any information about the contact.

The dialog will have a close, and a save button. When the save button

is clicked, the dialog will close, and the corresponding entry in the table

will be updated. If the dialog is closed without clicking on the save

button, the changes will not be “saved”, and the table will not be

updated.

The contact list will consist of JSON encoded values for First

Name, Last Name, Phone, and E-mail. This list will be hardcoded into

the application.

The JavaScript code will consist of a handler which

will be invoked upon page load. When the page loads, the contactList

table will be queried, and entries for each contact will be

added to the table. Every time an entry is added, a click binding will be

added which will trigger the display of the dialog box. The text boxes

in the dialog box will be populated with the corresponding values in the

contact list. A binding for the save button will be added, which; when

clicked, will obtain the values in the text boxes; update the JSON, and

then refresh the entry in the table.

**Project Time Line**

**First Iteration –** Finish most of the HTML

**Second Iteration –** Finish the JavaScript/jQuery

**Final Iteration –** Finish CSS and touch up everything else.