**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/)

● JavaScript file for the functionality

The HTML page will use Bootstrap to create a good looking and functional page. It’ll have a navigation bar at the top with a button on it to create a new contact. The left side of the Screen will have its own container of tabs. These tabs will be what the user can click on to see the contact information. The right side of the screen will have a div that is hidden when no contacts are clicked on. When a contact is clicked on, the div will display the Name, Phone Number and Email. There are buttons in order to edit the contacts information. Once done editing there will be a save button.

The JavaScript will add action listeners to the buttons in the HTML. When a contacts tab is selected, it’ll display the information on the right, along with a button to edit the information. When the edit button is pressed, text fields show up for editing and the button is replaced with a save button. It will also have a 2 dimensional Array for storing the contact inform. When a new contact is created it will append the current array with a new array.

**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.