

Web-based Address Book - Software Design Document

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2016-11-07

1 Summary

This is a web application that allows the user to store and modify their address book contacts.

2 Structure

The program is split into three main parts: An HTML layout found in `index.html`, a CSS layout found in `styles.css`, and a JavaScript controller found in `javascript.js`.

2.1 `index.html`

This file defines the general makeup of information to be displayed on the site. It's purpose is to act as a location template for where the css and javascript will place, edit, and style the data on the page. Using bootstrap tools, the css is integrated into this file.

2.2 `javascript.js`

This file contains code that handles data population and editing. It also contains code for user interface options, like buttons and selection.

2.2.1 `removeContacts`

Removes all contacts.

2.2.2 `getCurrentData`

Pulls contact data from the current list of contacts and returns them as a jsonarray,

2.2.3 `makeNewContact`

Pulls user input and builds an new contact object.

2.2.4 `contactClickEvent`

Listens for click on a contact, then displays the contact information by calling `endEditDisplay()` and `setTextDisplay()`.

2.2.5 `setTextDisplay`

Posts contact information on page for non-editable display.

2.2.6 `setEditDisplay`

Posts contact information on page for editable display

2.2.7 `getEditDisplay`

Pulls data from the non-editable display, to post to the editable display.

2.2.8 `saveButtonHandler`

On save button press, `endEditDisplay()` is called and if user added data is present, it's placed in the jsonarray.

2.2.9 `newContactHandler`

Dumps any current information on the page by calling in `emptyDisplay()`. Then, switches to the editable display by calling `startEditDisplay()`.