ORGANIZATION ADDRESS BOOK

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The application requirements are as follows.

- An address book application
- The data persist
- List organizations and people
- See the names and contact details of people in organisations
- Manage the people who are in an organisation
- Store a name and contact details for each organisation
- Create, edit, and delete contacts

To create the application, I used Flask framework (Python) with SQLite. First, I create the application with simple basic functionality and then improve it further.

The initial version of the application:

- User can see all the contacts and details in the database
- Implemented simple authentication, the user need to login to create, edit, and delete
- Alert message when user create, edit, and delete
- Without styling, focusing on the basic structure and function of the application

After finishing the initial version of the application, I then improved it. I added bootstrap library for styling the application. Removed the authentication. And streamlined the create, edit, delete processes.

To layout the application I got the inspiration from the layout of contact app from Apple, where we can choose the organisations on the left part of the app and then the right part will show the details of the organisation.

The basic feature of the application became as follows:

- User can see the organisations list on left part of the application and details of a selected organisation on right part
- At first when the user doesn't select any organisation, the application will show the details of the first organisation in the list
- When there is no contacts at all user can click on an add contact button to show the form for inputting contact details, and add it the contact list
- In the details of the contact user can edit and delete the contact from the application
- To update the details of a contact the user need to click on an edit button which will activate edit mode for the detail forms and activate the update button. The user can cancel the editing proses by clicking on the cancel button which replace the edit button.
- After the user update the contact the application will update the database for the contact and show it to the user
- The user can remove the contact using the remove button. This is "destructive" as the data deleted will be gone from the database.
- The buttons in the application are differed in design using three main design: primary, warning, info, and danger. The add contact use primary style as it is the one basic feature of adding data into database. The update button use the warning style as the user has a degree of control in editing the data. The edit and cancel button use the info style as they are used to change mode and does not change any data. The remove button is in danger style as it is "destructive", the user can delete the contact data from the database
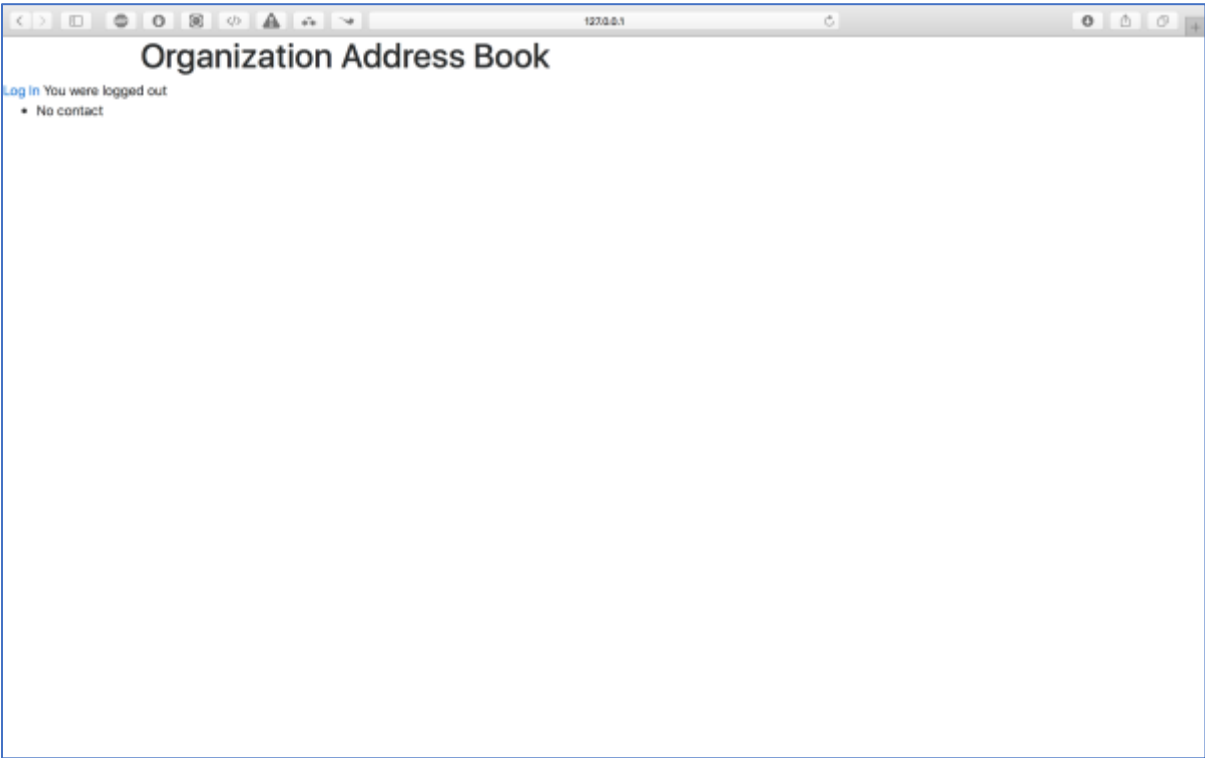- Every action will trigger an alert message that is dismissible
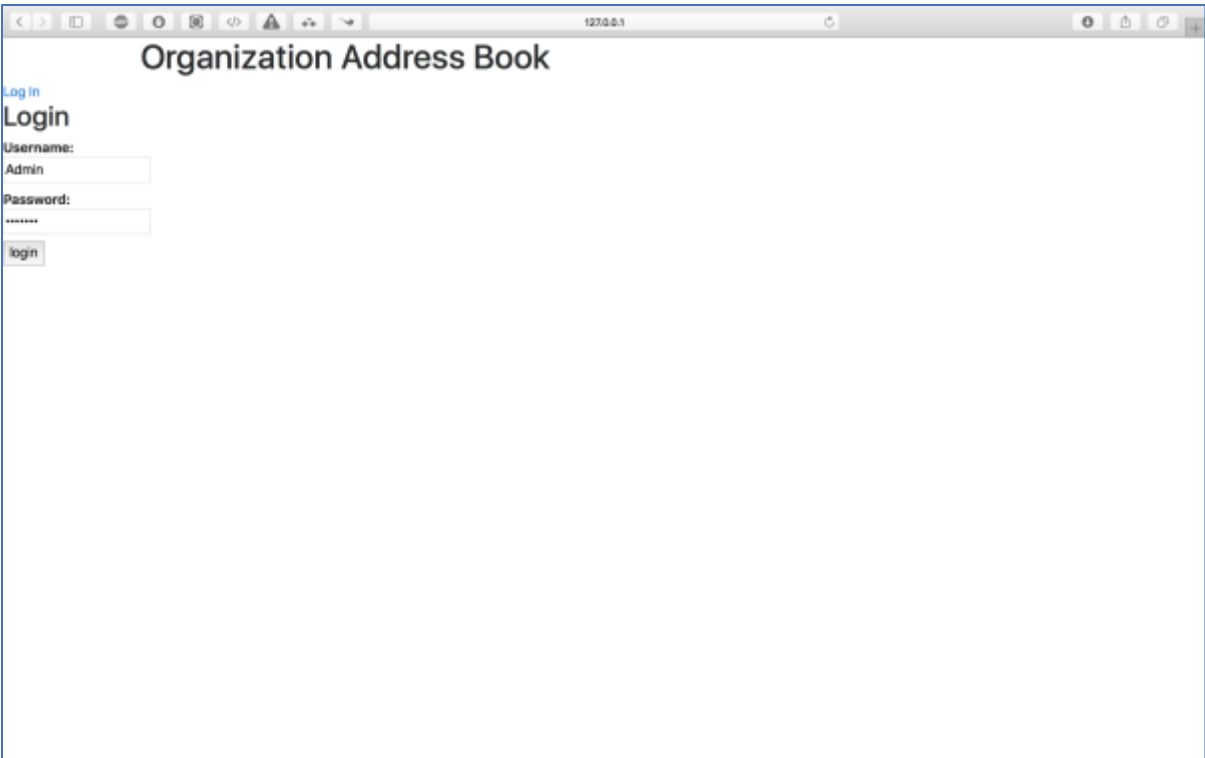
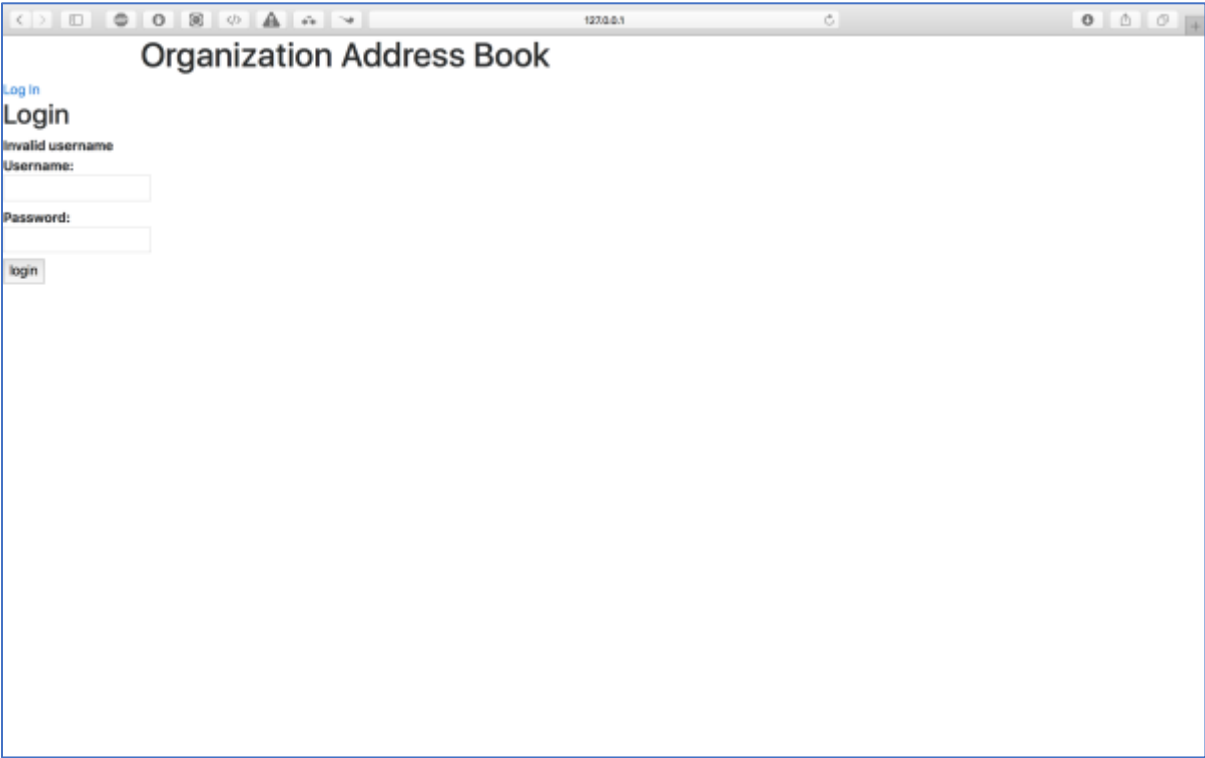**Figure 1 Initial Page**
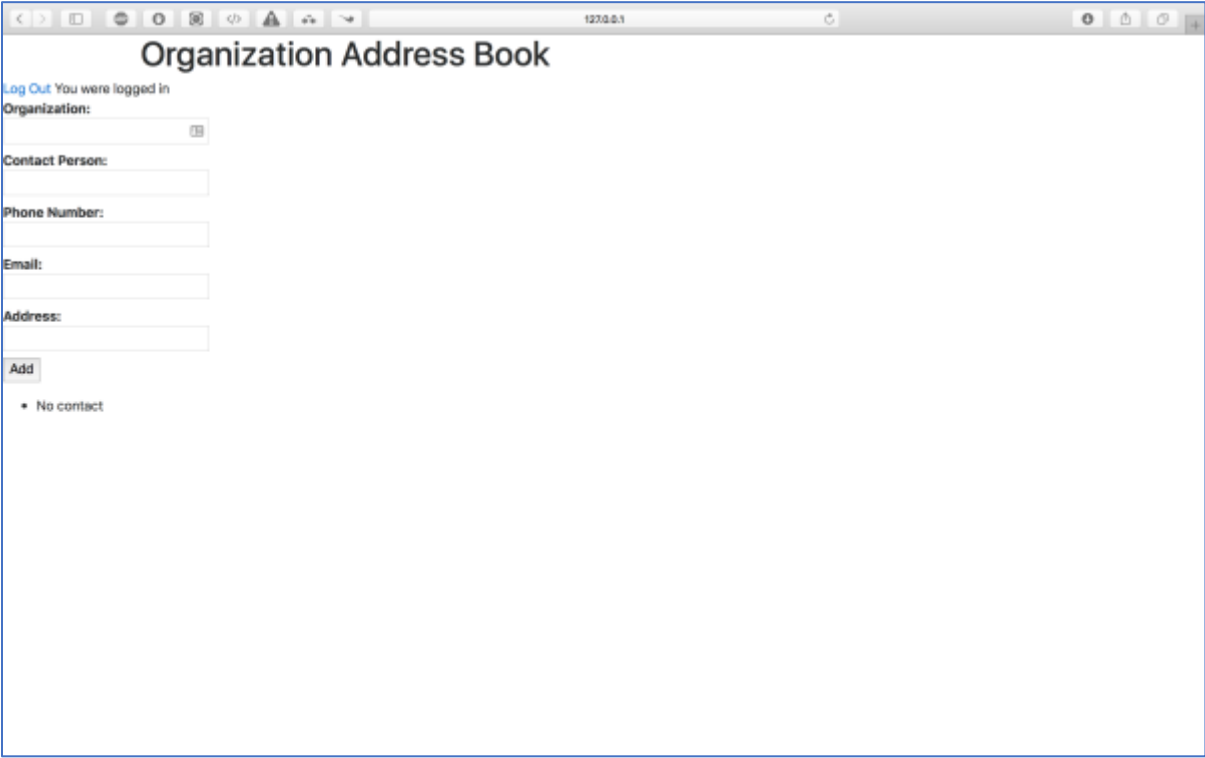

Figure 2 Login Page

Figure 3 Invalid Login
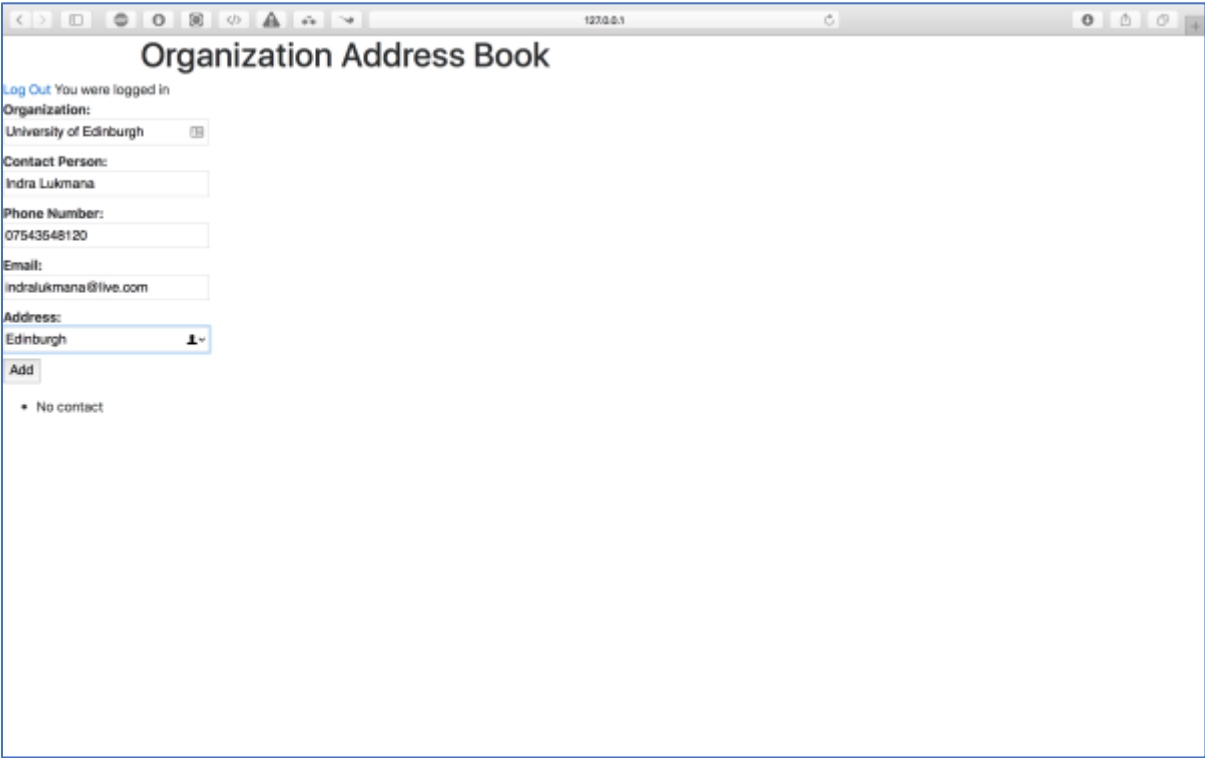

Figure 4 Contact List - without any contacts

Figure 5 Adding a Contact
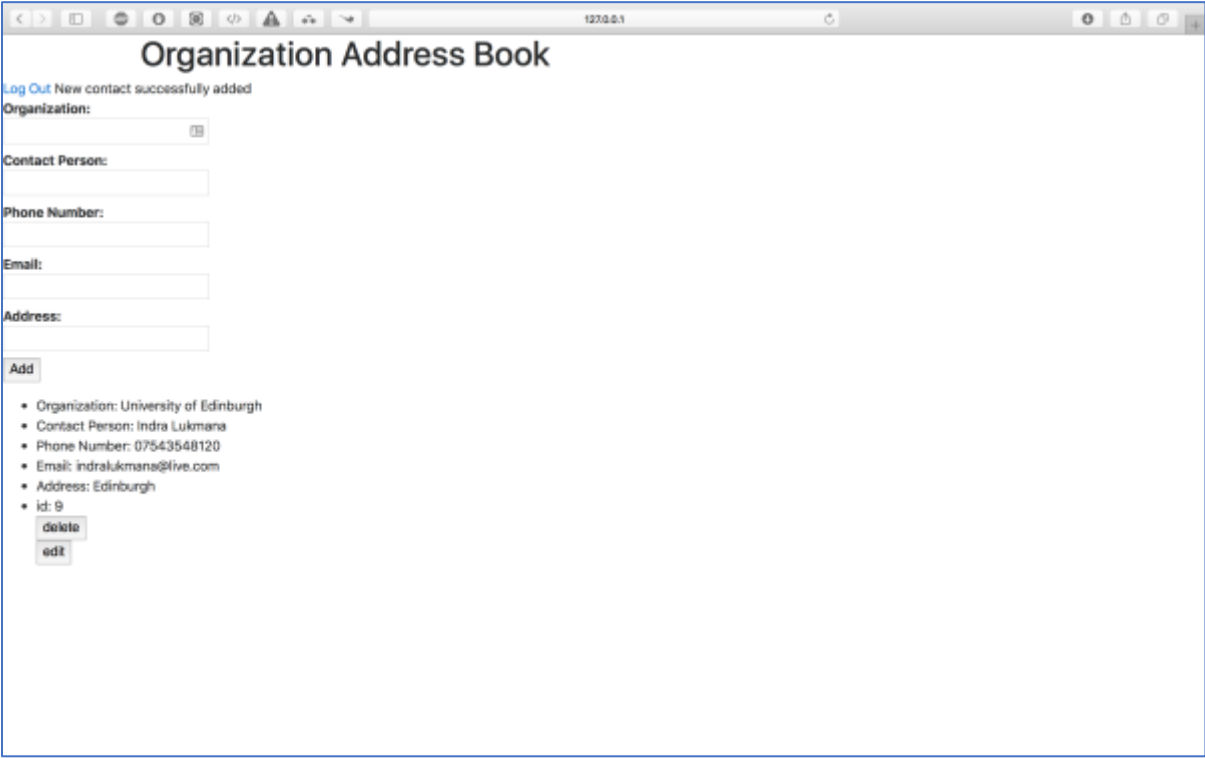
Figure 6 Contact List - With a Contact

Figure 7 Edit a Contact

Figure 8 Contact List - With Edited Contact

Organization Address Book

Log Out Contact has been removed

Organization:

Contact Person:

Phone Number:

Email:

Address:

Add
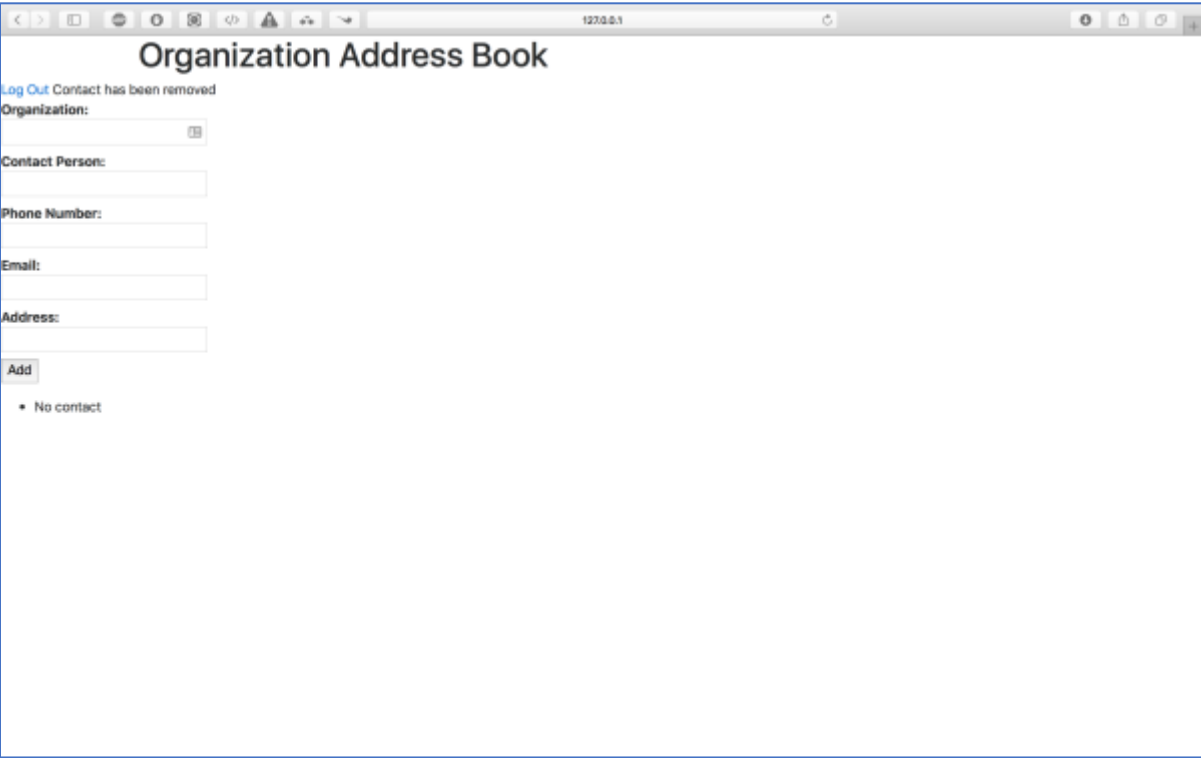
- No contact

Figure 9 Deleted a Contact
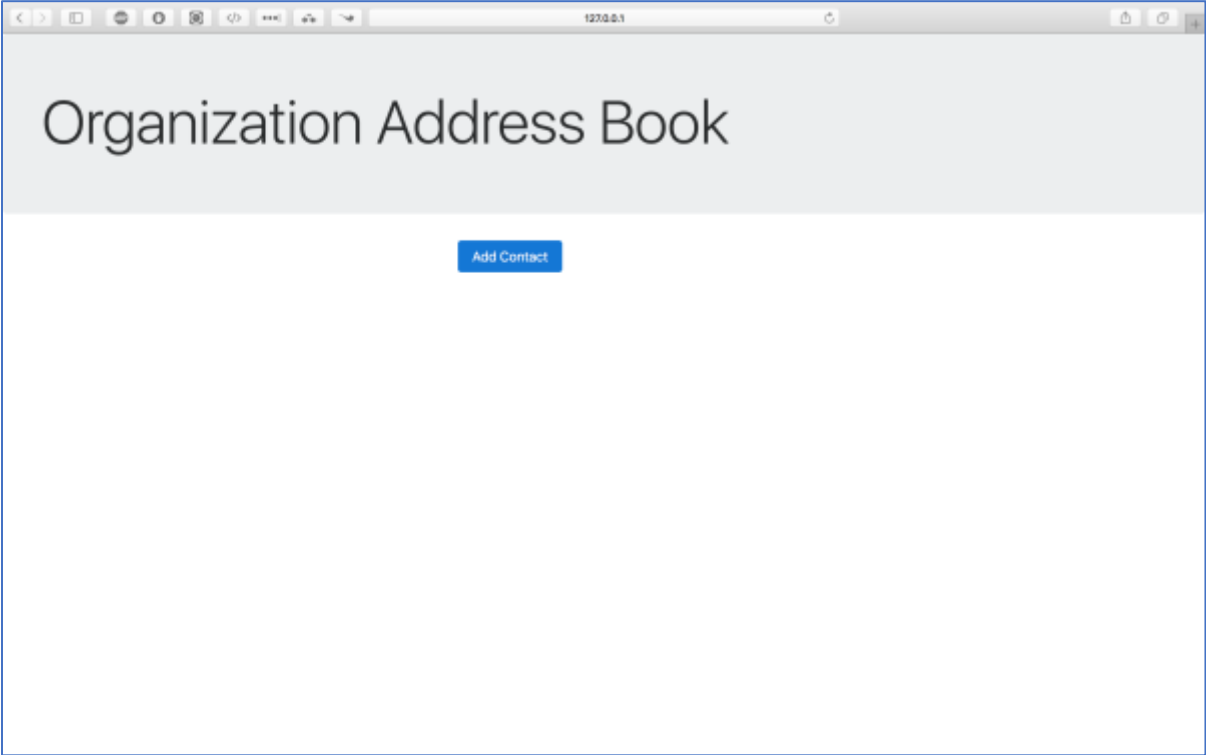
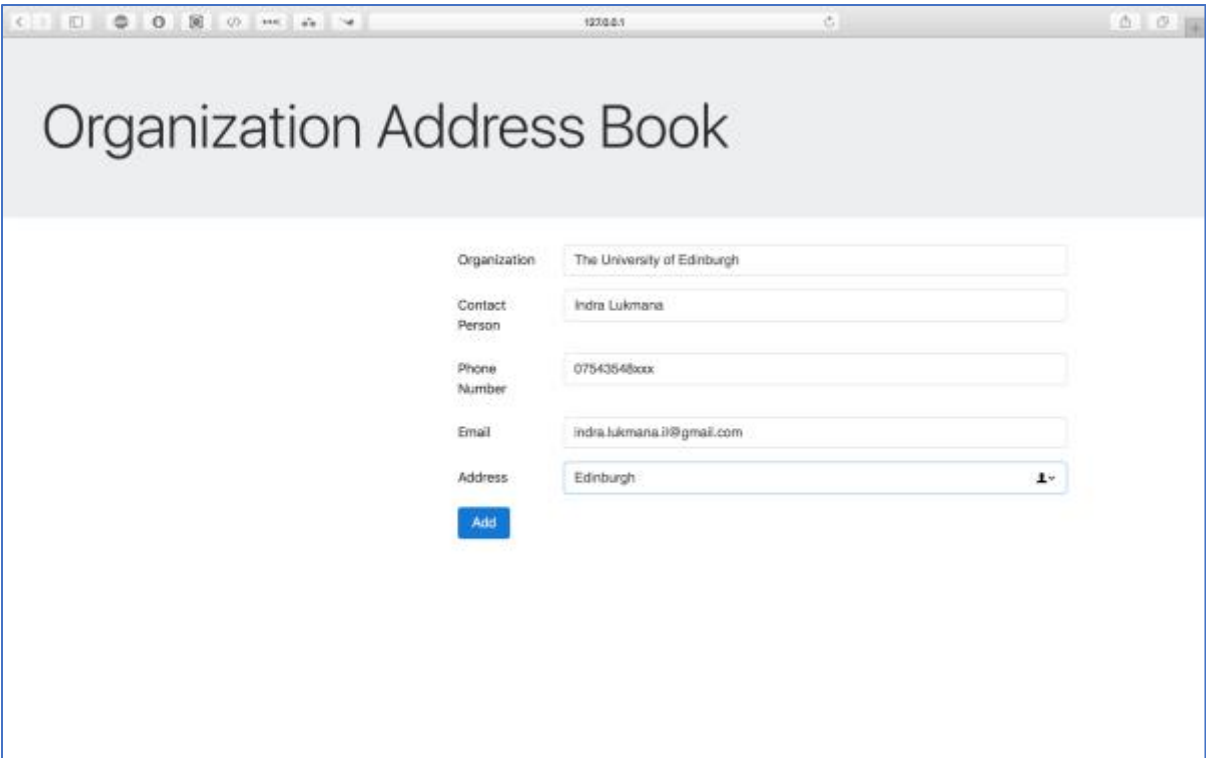**Figure 10 Initial Page Contact List Without Entry Redesigned**

Figure 11 Adding Contact Redesigned

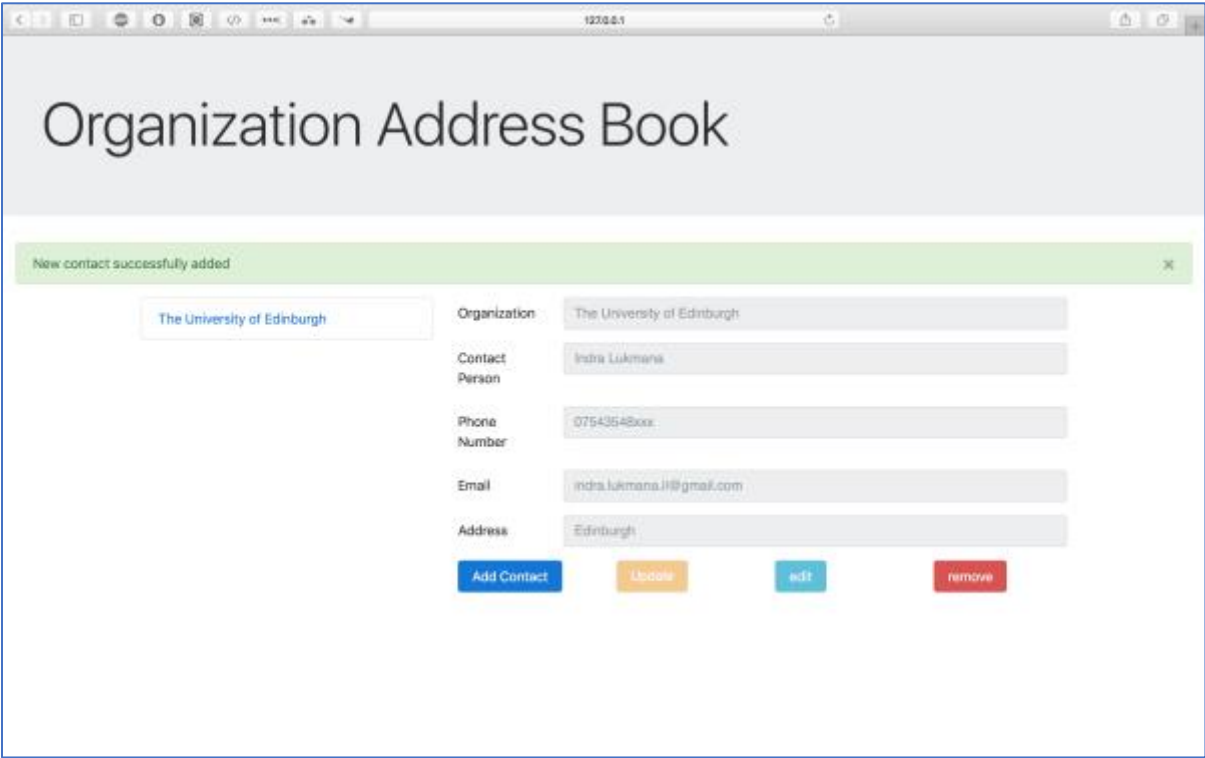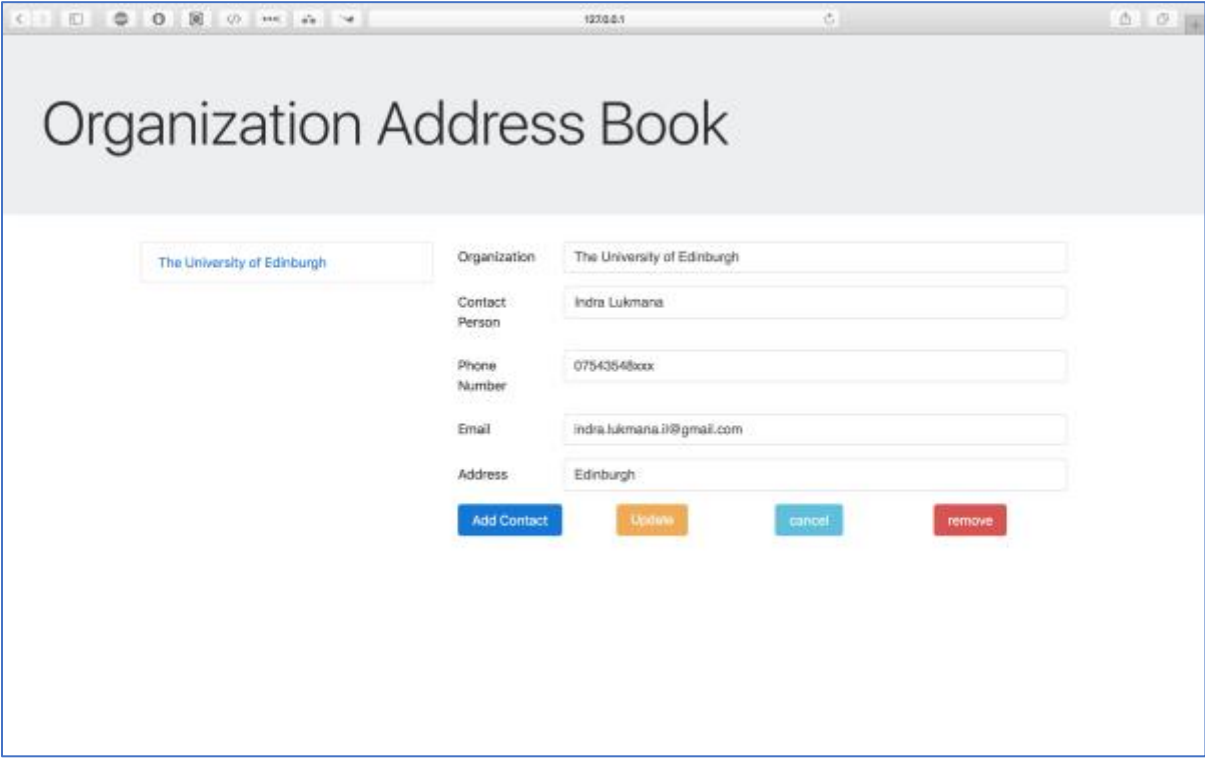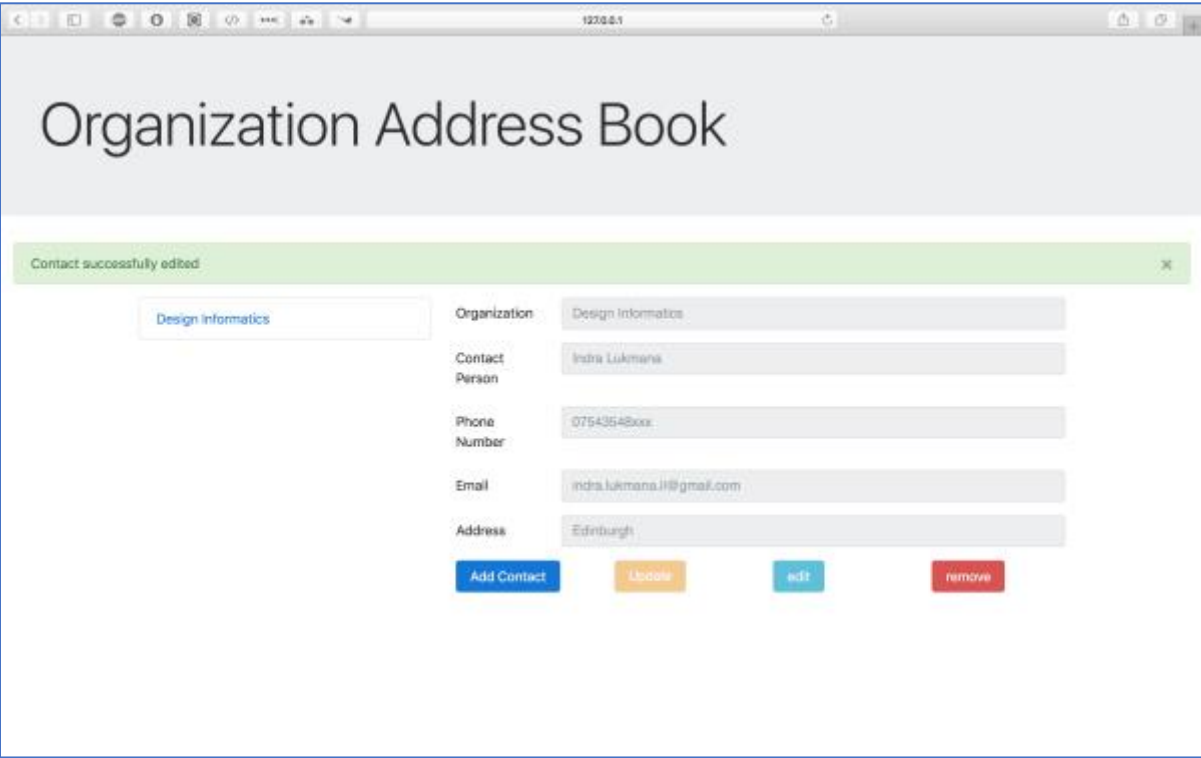**Figure 12 Contact List - With contact - Redesigned**

Figure 13 Editing a Contact

Figure 14 A Contact Edited