# “Address Book”

## Description:

An address booklet or “contacts” application that allows the user to store personal contact information such as phone numbers, address, and email. The user will have the ability to: Efficiently search for a contact based on name, number, or relation; Mark contacts as favorites so that they appear at the top of the main list; Export contact list in a secure file to another computer; Lock contacts so that they cannot be viewed without a password. The application will be developed using a C# ASP.NET Windows Forms project within Visual Studio.

## Features:

1. Store and edit contact information in a secure but persistent manner.
2. Allow the user to search for a contact based on a number of different details, ensure these searches are efficient and return relevant information. First name, Last name, number, relation.
3. Allow the user to export their contact list to be loaded into the application on another device.
4. User option to lock specific contacts behind password.
5. Favorite contacts

## Technologies:

1. C#
2. ASP.NET
3. Github
4. SQLite
5. Visual Studio

## Sprints:

1. Sprint 1
   1. Jake - Create back-end methods to allow main menu UI to function. Create password storage and storage file encryption.
   2. Chris- draft of main menu with layout and settings for search preferences
   3. Alex - Create and design database layout with add/retrieve functions
   4. Roger - Class Diagram and Prototype Video Planning
2. Sprint 2
   1. Jake - Create add/edit contacts methods; create UI connections.
   2. Chris- draft of, search screen, and layout of what a contact should look like and how it will be organized
   3. Alex - Search/Retrieval, edit, delete functions for database
   4. Roger - Flow & State Diagram
3. Sprint 3
   1. Jake - Create search methods, ~~match searches with an 80% accuracy.~~ **Tests revealed that such a search was not needed and returned less than desired results. I am now requiring that the name contains exactly what the user typed.**
   2. Chris- final draft of main menu, search screen, and layout of what a contact should look like and how it will be organized
   3. Alex - Refine functions and algorithms, Sort algorithm
   4. Roger - UX design document and refine other documents and diagrams.

#### **Requirements Changes:**

06/01/2018 - Tests revealed that such a search was not needed and returned less than desired results. I am now requiring that the name contains exactly what the user typed.

## Project Schedule:

Primary Meeting Sundays 9:00 PM

Mid-week touch-point meeting Wednesday 10:00 PM

## Master Backlog:

1. UI
   1. Main Menu UI
      1. Initial window - Favorites List
   2. Full list - list of all contacts in alphabetical order
   3. Contact Display
      1. Separate window form from main menu
      2. User can go into edit mode to edit contact information.
   4. Add contact window
      1. Blank form for adding new contact.
2. Database
   1. Create SQL table for contacts.
3. Create encryption method to store password.
4. Create search methods for each searchable attribute.
   1. First Name
   2. Last Name
   3. Phone Number
   4. Relation to User