

CSE 5359 - Semester Project: Address Book CLI

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This is a semester project for Software Security (CSE 5359), wherein I've implemented a command line address book program. The overarching goal of this assignment is input validation: ensure that only those names and phone numbers that meet the desired specifications are entered into the database.

Requirements

- `Python` — see [here](#) for installation instructions
 - preferred version ≥ 3.6
 - may work with earlier versions, but this is untested
- `Pipenv` — see [here](#) for installation instructions
- `SQLite` — see [here](#) for installation instructions

Getting started

Once requirements are installed, create the proper virtual environment with:

```
1 | pipenv --three
```

Then, create a virtualenv shell with:

```
1 | pipenv shell
```

Then, install dependencies with:

```
1 | pipenv install
```

After this has completed, run the application with:

...making sure to give a proper command line flag.

Command Line Interface

Only one command may be entered at a time.

The commands are as follows:

- `-a "<person>" "<phone number>"`, `--add "<person>" "<phone number>"`
 - adds a listing to the address book
- `-dp "<person>"`, `--delete-person "<person>"`
 - deletes a listing from the address book by name
- `-dn "<phone number>"`, `--delete-number "<phone number>"`
 - deletes a listing from the address book by phone number
- `-l`, `--list`
 - lists all listings in the database in tabular form

Documentation

See the `doc/` directory for all documentation, including a [report](#) describing the program's architecture, assumptions that have been made, as well as an evaluation as to the pros and cons of these design decisions.