

clab; – command line address book

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1 Introduction

`clab` is a command line address book application. It has no interactive features. This document collects its acceptance criteria.

2 Empty database

given an installed `clab`
when I run `clab lint`
then command is successful
when I run `clab search Alice`
then command is successful
and stdout is exactly ""
when I try to run `clab mutt-query Alice`
then command fails

3 Alice and Bob

Next, let's add records for Alice and Bob, and make sure searches find only the right records.

```
given an installed clab
and file .local/share/clab/address-book.yaml from address-book.yaml
when I run clab lint
then command is successful
when I run clab list
then command is successful
and stdout is valid YAML
and stdout contains "Alice Atherthon"
and stdout contains "Bob Bobbington"
when I run clab search Alice
then command is successful
and stdout is valid YAML
and stdout contains "Alice Atherthon"
and stdout doesn't contain "Bob"
when I run clab mutt-query Alice
then command is successful
and stdout is exactly "clab found matches:\nalice@example.com\tAlice
Atherthon\n"
```

File: **address-book.yaml**

```
1 - name: Alice Atherthon
2   email:
3     work: alice@example.com
4     tags: [co-worker]
5     last_checked: 2021-09
6 - name: Bob Bobbington
7   email:
8     personal: bob@example.com
9     last_checked: 2021-09
```

File: **address-book-reformatted**

```
1 ---
2 - name: Alice Atherthon
3   email:
4     work: alice@example.com
5     tags:
6       - co-worker
7     last_checked: 2021-09
8 - name: Bob Bobbington
9   email:
10    personal: bob@example.com
```

4 Search by tag

This scenario verifies that `clab` can find entries based on tags.

given an installed `clab`
and file `.local/share/clab/address-book.yaml` from `address-book.yaml`
when I run `clab tagged co-worker`
then command is successful
and stdout contains "Alice Atherthon"
and stdout doesn't contain "Bob"

5 Full text search

This scenario verifies that `clab` does a full text search.

given an installed `clab`
and file `.local/share/clab/address-book.yaml` from `address-book.yaml`
when I run `clab search example`
then command is successful
and stdout contains "Alice Atherthon"
and stdout contains "Bob"
when I run `clab search email`
then command is successful
and stdout contains "Alice Atherthon"
and stdout contains "Bob"

6 Reformat address book

This scenario verifies that `clab` can reformat the address book in place.

given an installed `clab`
and file `.local/share/clab/address-book.yaml` from `address-book.yaml`
and file `reformatted.yaml` from `address-book-reformatted`
when I run `clab reformat`
then command is successful
and files `.local/share/clab/address-book.yaml` and `reformatted.yaml` match