Contents

1 DB Schema

```
{
    _id: 1,
    name: "encryped name (key=master password)",
    password: "hashed password",
    data: [
        {
            _id: 1,
            service: "encrypted name of service (key=master pw; cannot be duplicate)",
            servicePassword: "encryped service password (key = master pw)",
            serviceUrl: "encryped service url (key = master pw).
                serviceUserName: "encryped service username (key = master pw)"
        }
    ]
}
```

2 API

2.1 list

Called from user menu or via:

```
passman list
```

- List services as:

  1. `Google | Sam`
     `https://www.google.com`

  2. `Yahoo | Sam`
     `https://www.yahoo.com`

  3. `Github | Sam`
     `https://www.github.com`

2.2　add

Add a new service to the database

- Called from user menu or via

```
passman add
```

- Walk user through each of the following:

2.2.1　Name (required - no duplicates)

- Name of the service

- Must be input by user

- Cannot match any existing names in db

2.2.2　Password (required)

- Password for service.

- Prompt for manual entry or Auto generation

1. Auto Generate (Default)

   - prompt for the following:

   (a) Length
       - Default: 30 characters

(b) Caps - Yes | No | Either

- Default: either

(c) Lowercase - Yes | No | Either

- Default: either

(d) Integers - Yes | No | Either

- Default: either

(e) Special Chars - Yes | No | Either

- Default: either

2. Manual entry

- prompt for password

2.2.3   URL (not required)

- URL for login page of service

2.2.4   User Name (not required)

- User name or email associated with service

2.3   remove

Remove a service and all associated data from the database

- Called via menu or command line

  - command line takes an optional service name as a parameter (see below)
  - if no service name is provided, user will be prompted for one

```
passman remove [service name]
```

2.4   edit

Walk user through the same steps as "Add". Prompt user to edit each field, or press enter to keep the data the same

- Called via menu or command line

– command line takes an optional service name as a parameter (see below)

– if no service name is provided, user will be prompted for one

```
passman edit [service name]
```

2.5   getname

Copies user name for a service to clipboard for 30 seconds

- Called via menu or command line

  – command line takes an optional service name as a parameter (see below)

  – if no service name is provided, user will be prompted for one

```
passman getname [service name]
```

2.6   getpass

Copies user password for a service to clipboard for 30 seconds

- Called via menu or command line

  – command line takes an optional service name as a parameter (see below)

  – if no service name is provided, user will be prompted for one

```
passman getpass [service name]
```

2.7   geturl

Copies service url to clipboard for 30 seconds

- Called via menu or command line

  – command line takes an optional service name as a parameter (see below)

  – if no service name is provided, user will be prompted for one

```
passman geturl [service name]
```

2.8   open

Opens the url for a service in the browser

- Called via menu or command line

  - command line takes an optional service name as a parameter (see below)
  - if no service name is provided, user will be prompted for one

```
passman open [service name]
```