Skyddad.

It means "protected" in Swedish.

This program was written for Cryptology lesson that's given at Pamukkale University.

Installation

```
This project needs to Go (At least 1.13) to compile. Download from here.
```

Get the repo.

```
go get github.com/boratanrikulu/skyddad
```

Set your DB.

This project needs Postgresql DB.

You need to create a database named **skyddad**.

Set your env file.

You need to set database information to env file.

Set .env file to wherever you use the skyddad command or \${HOME}/.config/skyddad/.env

There is a env sample: here.

Usage

```
NAME:
Skyddad - A mail client that keep you safe.

USAGE:
skyddad [global options] command [command options] [arguments...]

COMMANDS:
mails Show all mails that is sent by the user.
send-mail Send mail to the user.
sign-up Sign up to use the mail mail service.
help, h Shows a list of commands or help for one command

GLOBAL OPTIONS:
--help, -h show help (default: false)
```

Testing

```
Terminal - fsutil@BoraT: ~/Documents/programming/CRYPTOLOGY/skyddad
File Edit View Terminal Tabs Help
 ~/Documents/programming/CRYPTOLOGY/skyddad  on master ?1
                                                                                 at 09:51:25
/skyddad sign-up --username "testing_user_1" --password "123"
(√) User was created.
        Username: testing_user_1,
        Password: 123,
 ~/Documents/programming/CRYPTOLOGY/skyddad > on master ?1
                                                                                 at 09:52:36
 ./skyddad sign-up --username "testing_user_2" --password "456"
(√) User was created.
        Username: testing_user_2,
        Password: 456,
~/Documents/programming/CRYPTOLOGY/skyddad ) on master ?1
                                                                                at 09:52:46 ¬
\( \)./skyddad send-mail --username "testing_user_1" --password "123" --to-user "testing_user_2"
--body "Testing email message."
(√) Mail was sent.
        From: testing_user_1,
        Date: 2020-02-13 09:53:44.579201604 +0300 +03 m=+0.088714738,
        Body: Testing email message.
~/Documents/programming/CRYPTOLOGY/skyddad on master ?1
                                                                                at 09:53:44
./skyddad mails --username "testing_user_2" --password "456"
To: testing_user_2
        From: testing_user_1,
        Date: 2020-02-13 09:53:44.579202 +0300 +03,
        Body: Testing email message.
~/Documents/programming/CRYPTOLOGY/skyddad  on master ?1
```

To-Do

Add end-to-end encryption between users.