CryptoTracker Terminal App

launch app —shell script + args—

show help instructions

Select 1/2/3/4

show portfolio

build and parse

exit app

show main menu — Quit

Login

get username

user exists and is active?

Is user admin?

User Functionality

show user menu

Help

Quit

View Portfolio

Add Crypto

View Local or API — Local

API

Enter API KEY

is valid? — Yes / No

call API

receive data

Enter symbol and quantity

confirm — Yes

is valid? — Yes / No

add crypto

No

No

No

Yes

Yes

Storage

JSON portfolio

JSON users

Admin Functionality

confirm — Yes

user is added to users.json file — User Object created

get name, username, password

Create user

empty portfolio json file created with username — Portfolio Object created

show admin menu — Quit / Show all users

show list of users

No

Yes

Deactivate user

get username

set active to false for user — Yes

confirm — Yes / No

username exists? — Yes

No

method call

set user object

Classes

User

+ name:type = string
+ username:type = string
- password:type = string
- active:type = bool
- user_created = string

+ to_s:returnType = string
+ show_password:returnType = string

Portfolio

- username:type = string

+ to_s:returnType = string
+ portfolio_path(username):returnType = string
+ create_empty_portfolio(username):returnType = string