Feb 27, 19 8:51 **main.rs** Page 1/2

```
extern crate reqwest;
    extern crate rpassword;
    #[macro_use]
    extern crate clap;
6
    fn main() {
8
         //let password = "p4ssw0rd";
         //let email = "nobody@example.com";
10
         //let salt = email.to_lowercase();
//let master_key = bitwarden::make_key(password, &salt);
//println!( "Hello, masterKey:{}", String::from_utf8_lossy(&master_key.unwrap()));
//let protected_key = bitwarden::make_encrypted_key(master_key.unwrap());
11
12
13
14
         //println!("encrypted_key: {}", protected_key);
//let master_password_hash = bitwarden::hashed_password(password, email);
15
17
         //println!("master_password_hash:{}", master_password_hash);
         //let register_body = bitwarden::signup(&email, &master_password_hash, &protected_key);
//println!("signup:{}", register_body);
18
19
         //let client = reqwest::Client::new();
// let res = client
20
21
                 .post("http://127.0.0.1:8000/api/accounts/register")
22
         //
                 .body(register_body)
24
                  .send();
         //println!("register post:{:?}", res);
let matches = clap::App::new("Bitwarden CLI")
25
26
               .version(crate_version!())
27
               .author(crate_authors!())
28
29
               .arg(
                    clap::Arg::with_name("url")
.help("URL of bitwarden server")
30
31
32
                         .default_value("http://127.0.0.1:8000")
.short("u"),
                         .takes_value(true)
33
34
35
               .subcommand(
37
                    clap::SubCommand::with_name("register")
38
                         .about("register new account with bitwarden server.")
39
                         .arg(
                              clap::Arg::with_name("email")
40
                                    .help("email address to login as.")
41
                                    .required(true),
43
                         ),
44
45
               .subcommand(
                    clap::SubCommand::with_name("login")
46
                         .about("login to bitwarden")
47
48
                         .arg(
                              clap::Arg::with_name("email")
49
                                    .help("email address to login as.")
50
51
                                    .required(true),
52
                         ),
53
               .subcommand(
54
55
                    clap::SubCommand::with_name("sync")
                    .about ("sync against remote bitwarden server")
56
57
58
               .get_matches();
59
         let url = regwest::Url::parse(matches.value of("url").unwrap()).unwrap();
60
61
62
         match matches.subcommand()
               ("register", Some(register_matches)) => {
                    // Now we have a reference to register's matches
64
                    let email = register_matches.value_of("email").unwrap().to_lowercase();
println!("Register: {}", email);
65
66
                    let password = rpassword::prompt_password_stdout("Password: ").unwrap();
let result = "";
67
68
                    //let result = bitwarden::register(&url, &email, &password);
                    let result = bitwarden::register(&url, &email, &password);
println!("result:{}", result);
70
71
72
               ("login", Some(login_matches)) => {
73
                    // Now we have a reference to login's matches let email = login_matches.value_of("email").unwrap().to_lowercase();
74
75
                    println!("Login:{}", email);
                   let password = rpassword::prompt_password_stdout("Password: ").unwrap();
let result = bitwarden::login(&url, &email, &password);
println!("result:{}", result);
77
78
79
80
81
               ("sync", Some(sync_matches)) => {
                    // Now we have a reference to login's matches // let token= "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJlbWFpbCI6Im5vYm9keUBleGFtcGxlLmNvbSIsImV4cCI
82
    6MTUYMjg4NDIzMywiaXNzIjoiTkEiLCJuYWllIjoiIiwibmJmIjoxNTIYODgwNjMzLCJwcmVtaXVtIjpmYWxzZSwic3ViIjoiTkEifQ.46xvH6-
    FQKNuFWOVXLeeut3bvHE2QMSUg45aH557XRU";
                    //let result = bitwarden::sync(&url, &token);
```

extern crate bitwarden;

main.rs Feb 27, 19 8:51 Page 2/2 //println!("login result:{}", result); 86 87 88 89 90 91 92 .values_of("stuff") 93 94 .unwrap() .collect::<Vec<_>>() .join(", ") 95 96 97); 98 ("", None) => println!("No subcommand was used"), // If no subcommand was used it'll match the tuple (" 99 $_$ => unreachable!(), // If all subcommands are defined above, anything else is unreachable!() 101 102