DATABASE

ADD ACCOUNT

ACCOUNT

SET PASSWORD

LOGIN

GET PASSWORD

USER

LOGIN PROJECT
CLASS DIAGRAM
ROBERT RHEA

DATABASE

- DBNAME : STRING

+ <<CONSTRUCTOR>> DATABASE(DBNAME : STRING)
+ CONNECTRO (USERNAME : STRING, PASSWORD : STRING)
+ CONNECT RW (USERNAME : STRING, PASSWORD : STRING)
+ DISCONNECT()

CREATE ACCOUNT

First Name: _____ ← ⟍ JTextField
Last Name: _____ ←
Email: _____ ←
Confirm Email: _____ ←
Password: _____ ← JPassword Field
Confirm Password: _____ ←

☑ I Agree to the Term & Conditions

[OK]   [CANCEL]

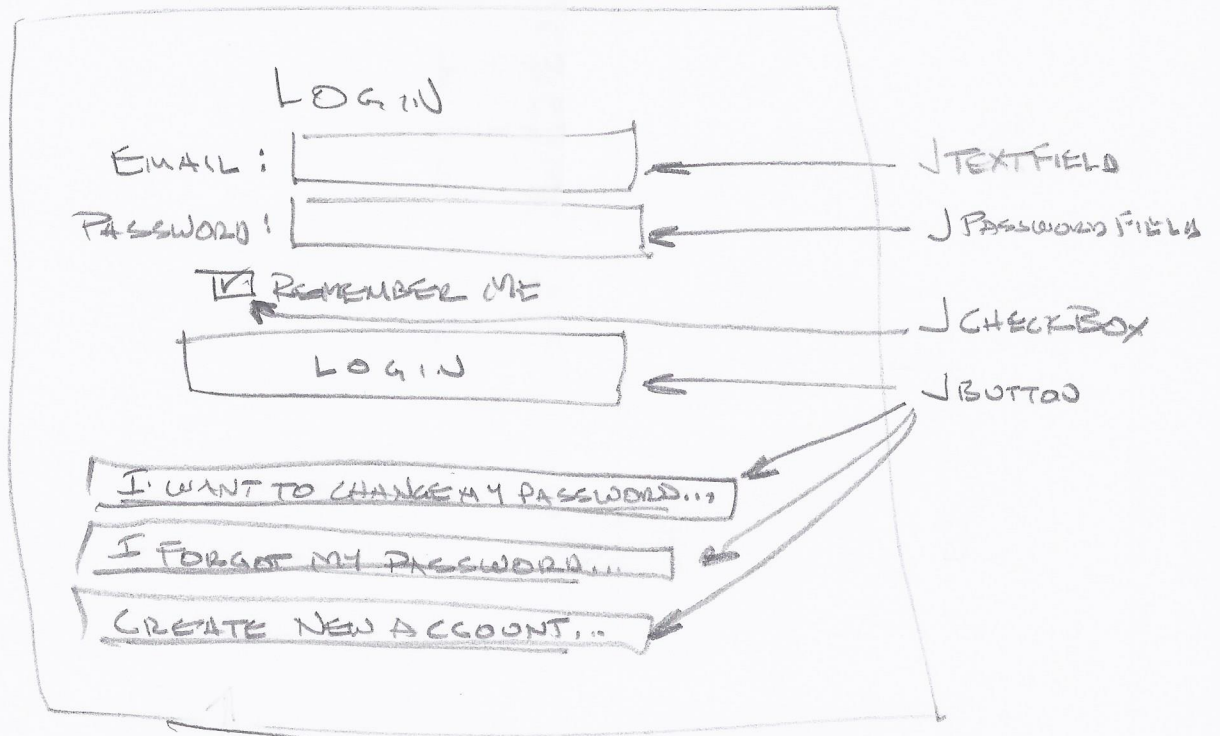JCheckBox

JButton

| AddAccount Class |

Add Account

+ <<Constructor>> Add Account ()
+ FName : JTextField
+ LName : JTextField
+ Username : JTextField
+ ConfirmUsername : JTextField
+ Password : JPassword Field
+ ConfirmPassword : JPassword Field
+ TermsAgree : JCheckBox
+ Submit : JButton
+ Cancel : JButton

Account

- UID : INT

+ <<CONSTRUCTOR>> Account ( )

+ LOGIN (USERNAME: STRING, PASSWORD: STRING,
  REMEMBERME: BOOLEAN) : INT

+ ADD ACCOUNT (FNAME: STRING, LNAME: STRING,
  USERNAME: STRING, CONFIRM USERNAME: STRING,
  PASSWORD: STRING, CONFIRM PASSWORD: STRING,
  TERMSAGREE: BOOLEAN)

+ GET PASSWORD (USERNAME: STRING) : STRING

+ SET PASSWORD (USERNAME: STRING, PASSWORD STRING,
  NEW PASSWORD: STRING, CONFIRM NEW PASSWORD: STRING)

+ EXISTS ( ) : BOOLEAN

+ ENABLED ( ) : BOOLEAN

+ TERMS ACCEPTED ( ) : BOOLEAN

+ GET FNAME ( ) : STRING

+ SET FNAME (FNAME: STRING)

+ GET LNAME ( ) : STRING

+ SET LNAME (LNAME: STRING)

+ GET USERNAME ( ) : STRING

+ SET USERNAME (USERNAME: STRING)

+ GET UID ( ) : INT

+ GET ORGS ( ) : INT[]

LOGIN

EMAIL : [   ] ←——————— J TEXTFIELD

PASSWORD : [   ] ←——————— J PASSWORD FIELD

☑ REMEMBER ME ←——————— J CHECKBOX

[LOGIN   ] ←——————— J BUTTON

[I WANT TO CHANGE MY PASSWORD...]

[I FORGOT MY PASSWORD...]

[CREATE NEW ACCOUNT...]

LOGIN CLASS

LOGIN

— USERNAME: STRING

+ <<CONSTRUCTOR>> LOGIN ()
+ USERNAME : JTEXTFIELD
+ PASSWORD : JPASSWORDFIELD
+ REMEMBER ME : JCHECKBOX
+ LOGINBUTTON : JBUTTON
+ SETPASSWORD : JBUTTON
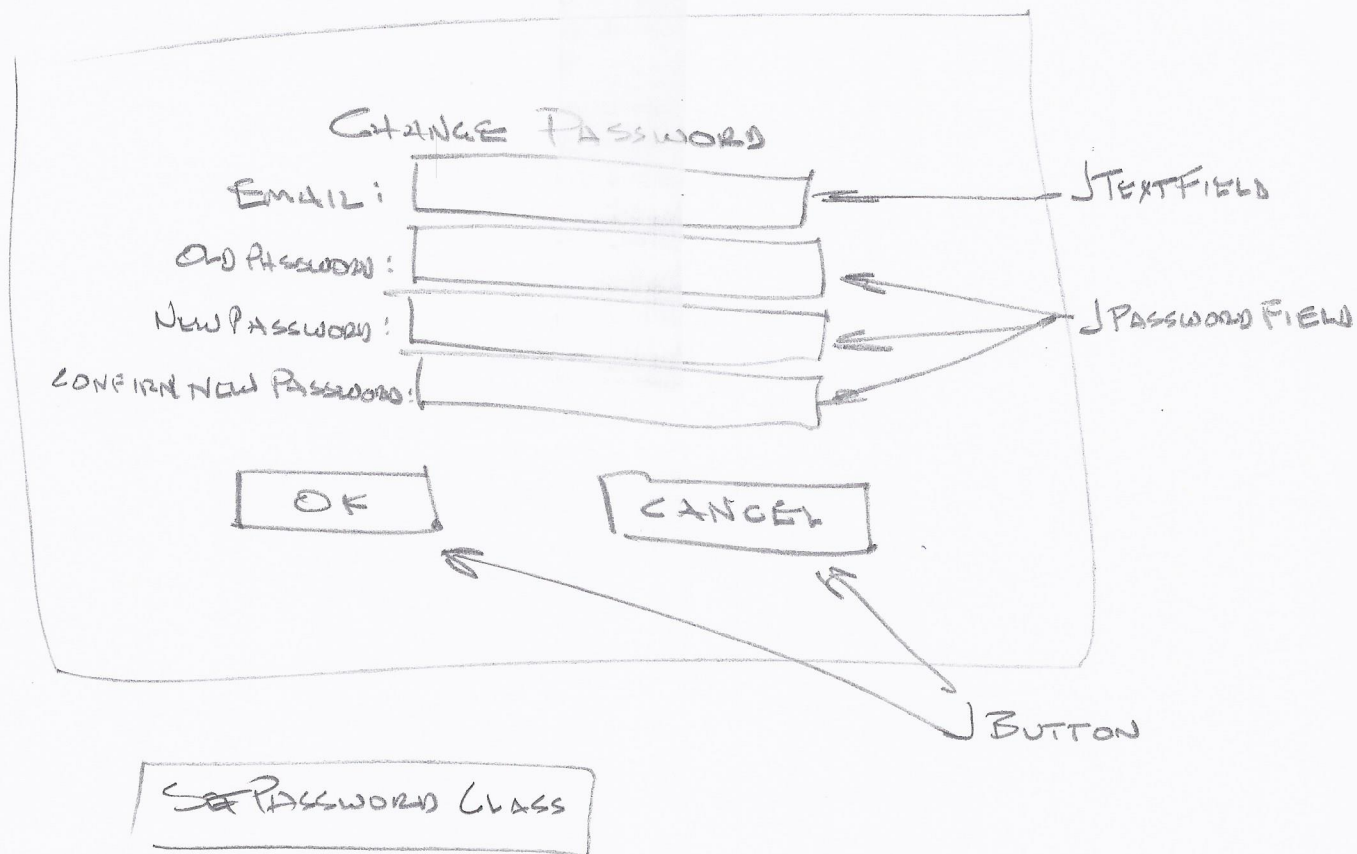+ GETPASSWORD : JBUTTON
+ ADDACCOUNT : JBUTTON
+ MAIN()

User

- Username : String
- Fname : String
- Lname : String
- Uid : Int
- Enabled : Boolean

+ <<Constructor>> Account (Username : String)
+ SetUsername (Username : String)
+ GetUsername () : String
+ SetFname (Fname : String)
+ GetFname () : String
+ SetLname (Lname : String)
+ GetLname () : String
+ SetUid (Uid : Int)
+ GetUid () : Int
+ SetEnabled (Enabled : Boolean)
+ GetEnabled () : Boolean

Change Password

Email: _____ ———— JTextField

Old Password: _____

New Password: _____ ———— JPassword Field

Confirm New Password: _____

[OK]   [CANCEL]

JButton

SetPassword Class

SetPassword

- Username : String

«constructor» ~~Constructor~~ SetPassword()
+ Username : JTextField
+ Old Password : JPasswordField
+ New Password : JPasswordField
+ Confirm Password : JPasswordField
+ Submit : JButton
+ Cancel : JButton

Forgot Password
Your password will be sent to
your email address

Email: [_____] ← JTextField

[OK]   [CANCEL]

J Button

[GetPassword Class]

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┌─────────────────────────────────────┐
│  GET PASSWORD                       │
├─────────────────────────────────────┤
│  — USERNAME                         │
├─────────────────────────────────────┤
│  ?<< CONSTRUCTOR>> GET PASSWORD ( )  │
│  + USERNAME : JTEXTFIELD            │
│  + SUBMIT : JBUTTON                 │
│  + CANCEL : JBUTTON                 │
└─────────────────────────────────────┘
```