## login system

### Create Account

**<<Interface>>**
**onCreateAccountInteractorListener**

# onSuccess(): void
# onFail(): void

**<<Interface>>**
**Create Account View**

~ onUsernameEmptyError(): void
~ onPasswordEmptyError(): void
~ onPasswordMismatchError(): void
~ onFail(): void
~ onSuccess(): void

**Create Account Presenter**

- createAccountView: CreateAccountView
- createAccountActivity: CreateAccountActivity
- createAccountInteractor: CreateAccountInteractor

# CreateAccountPresenter(
createAccountView: CreateAccountView,
createAccountActivity: CreateAccountActivity)
# verify(username: String): void

**Create Account Activity**

- accountEntry: EditText
- password: EditText
- retypePassword: EditText
- username: String
- strRetypePassword: String
- userManager: UserManager
- createAccountPresenter: CreateAccountPresenter

# onCreate(savedInstaceBundle: Bundle): void
+ onClick(view: View): void

**Create Account Interactor**

~ verifyInteractor(username: String, createAccountActivity:
CreateAccountActivity,
onCreateAccountInteractorListener: listener): void

### Login

**<<Interface>>**
**onLoginInteractorListener**

# onSuccess(): void
# onFail(): void

**<<Interface>>**
**Login View**

~ onUsernameEmptyError(): void
~ onPasswordEmptyError(): void
~ onFail(): void
~ onSuccess(): void

**Login Presenter**

- loginActivity: LoginActivity
- loginInteractor: LoginInteractor

# LoginPresenter(
loginActivity: LoginActivity)
# verify(username: String, password: String): void

**Create Account Activity**

- edtUsername: EditText
- edtPassword: EditText
- name: String
- REQUEST_CODE: int
- loginPresenter: LoginPresenter

# onCreate(savedInstaceBundle: Bundle): void
+ onClick(view: View): void
# onActivityResult(requestCode: int, resultCode: int,
data: intent): void

**Login Interactor**

~ verifyInteractor(username: String, password: String,
loginActivity: LoginActivity,
onLoginInteractorListener: listener): void