

Note Your Life

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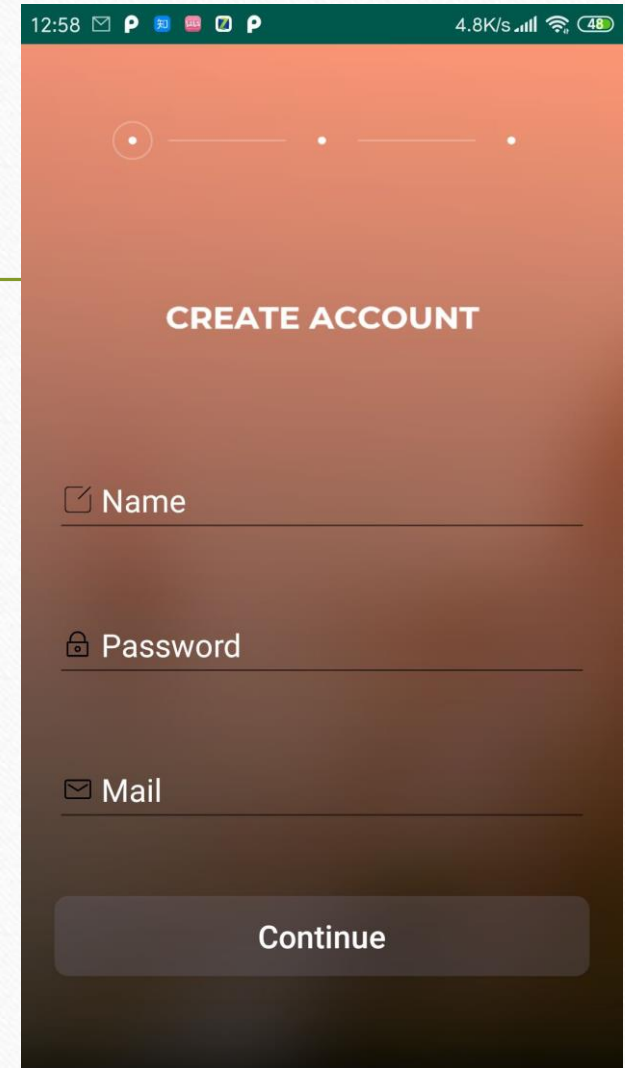
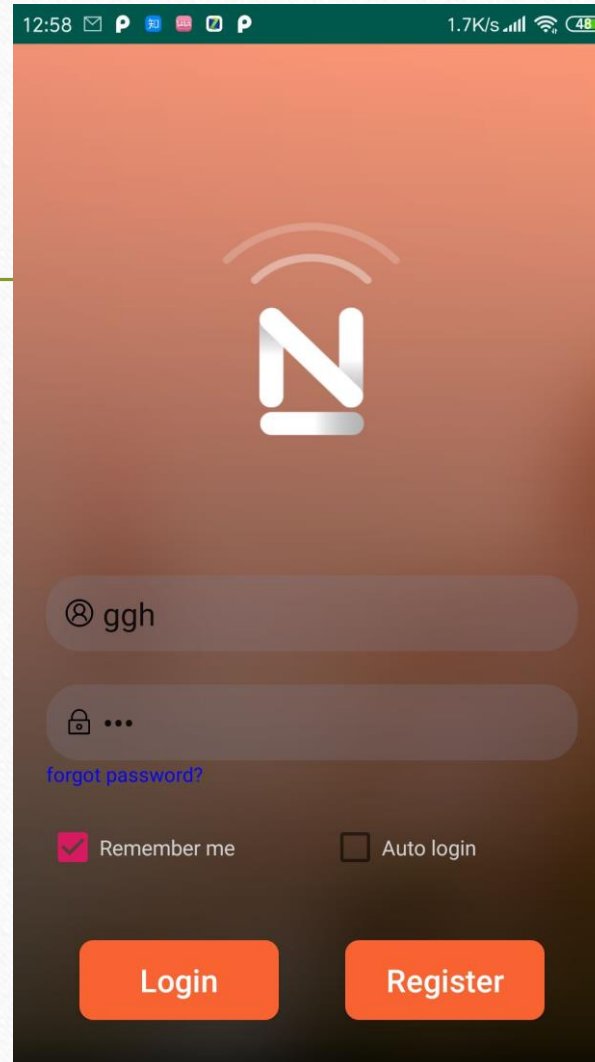
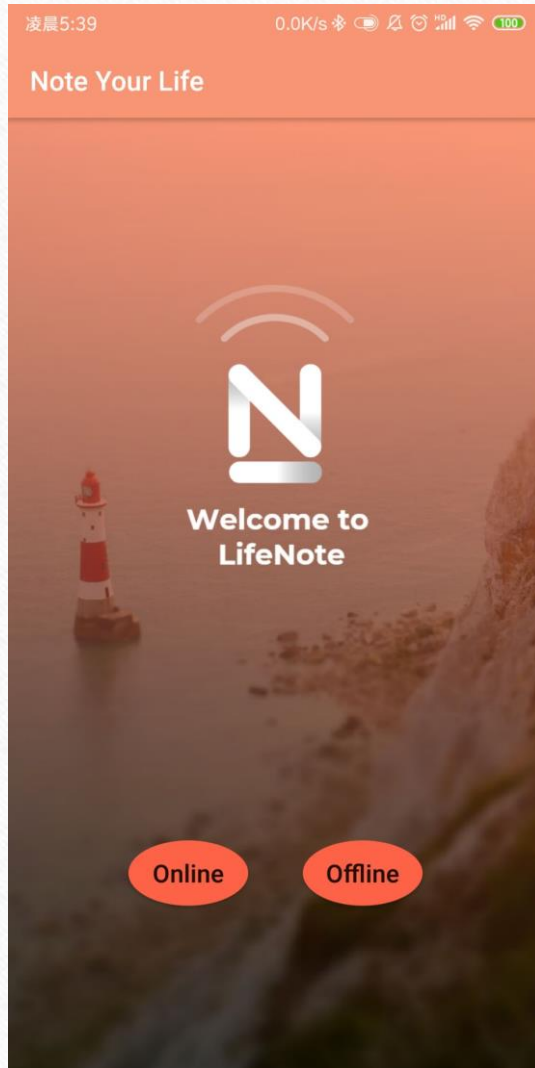
11613021 熊一衡

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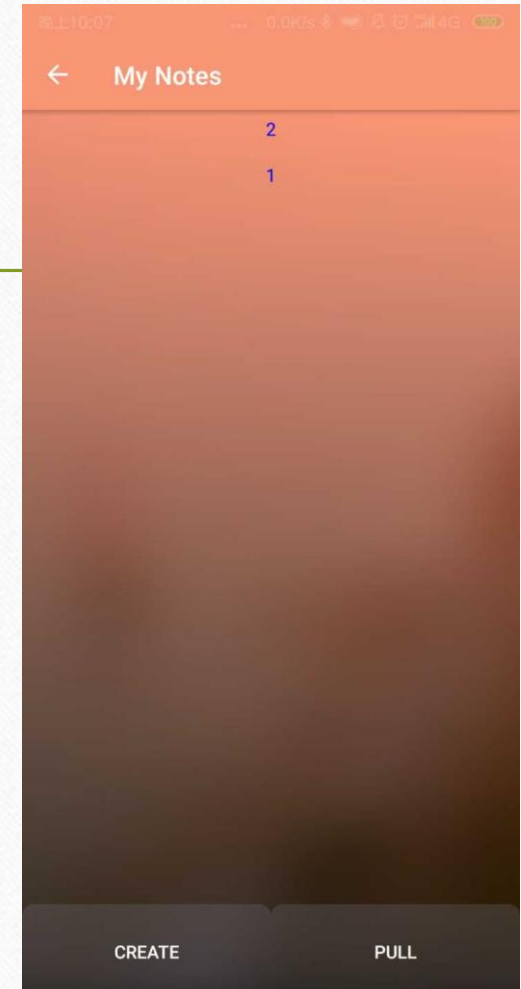
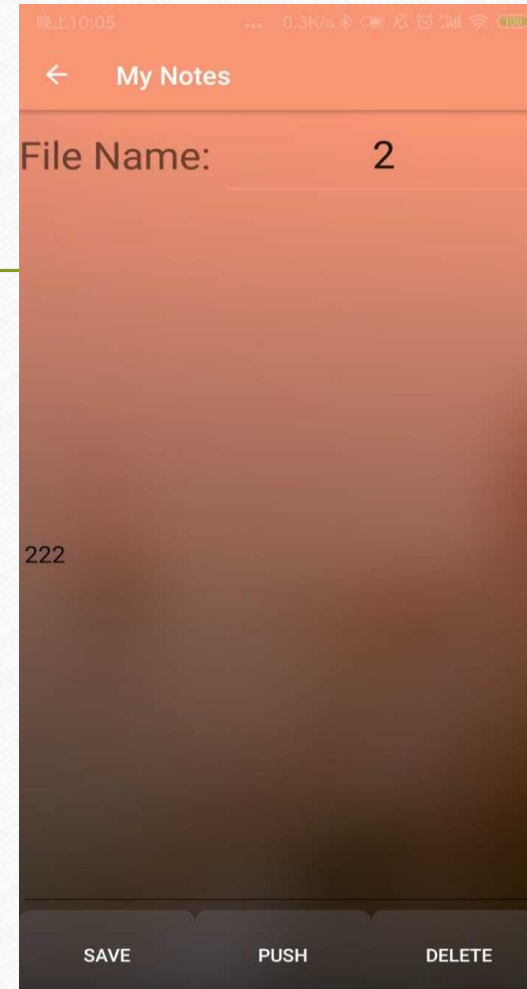
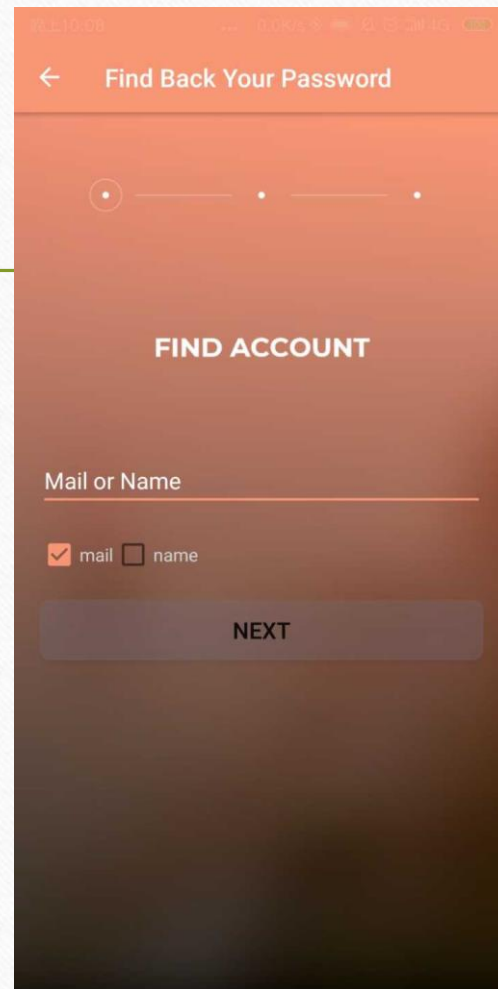
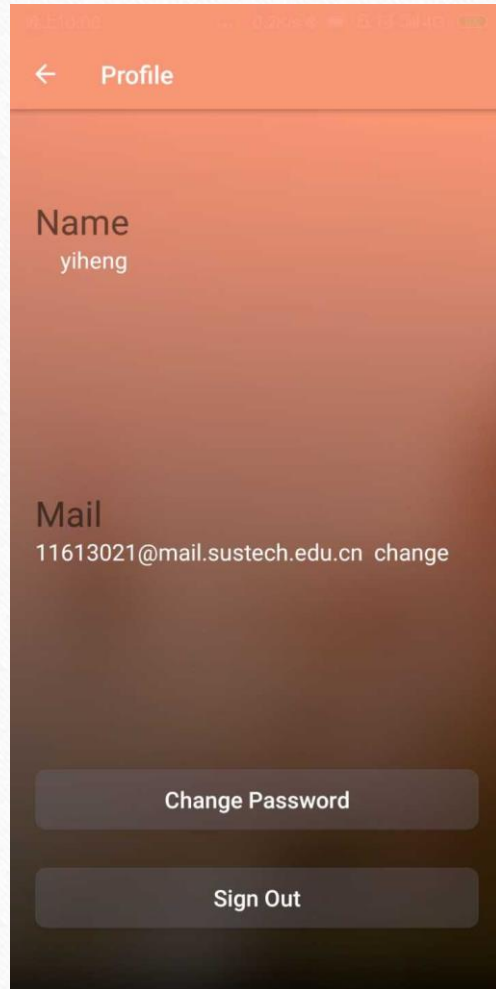
What APP? --- Overview

- “Note”: Note System
 - Create & Delete (Manipulation in local device)
 - Push & Pull (Cloud service)
- “Life”: Recognize things around your
 - Cars
 - Flowers (not available now)
 - ...

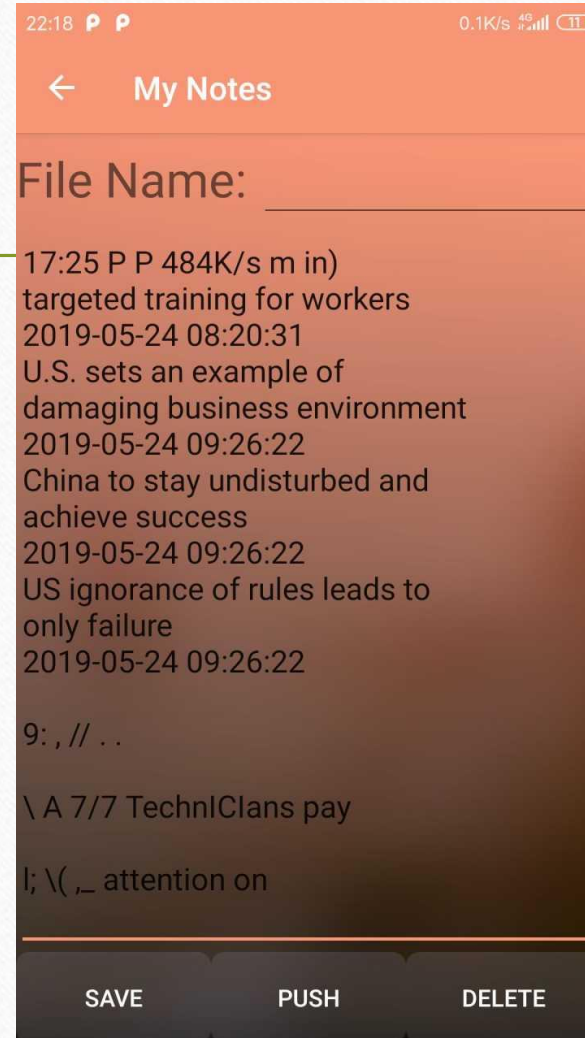
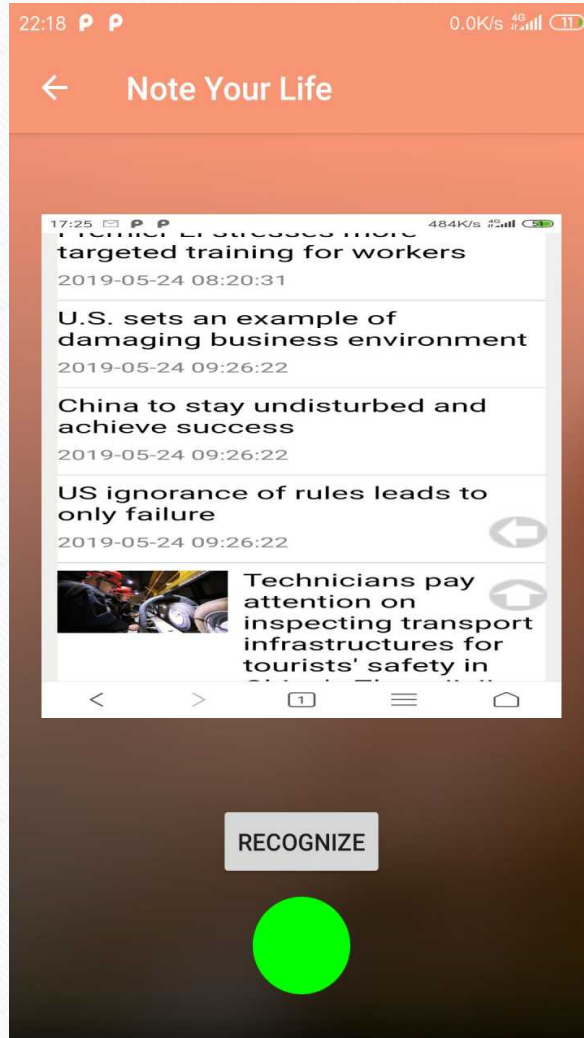
What APP? --- Account Service



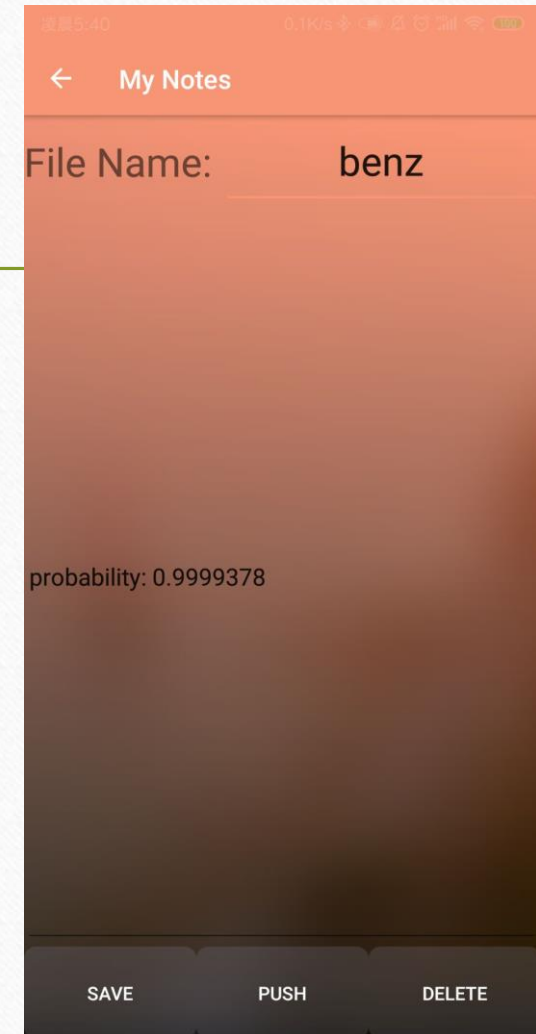
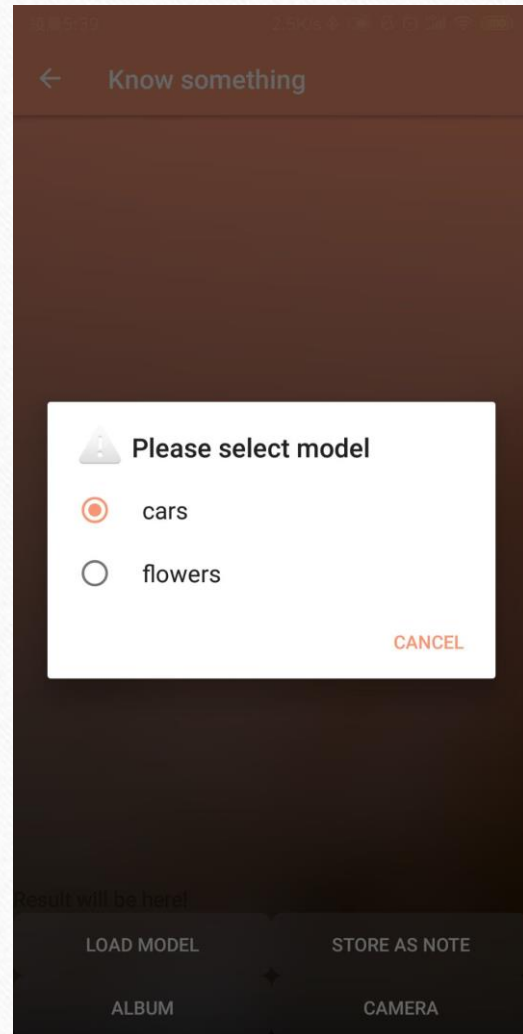
What APP? --- Account Service



What APP? --- Word Recognition (Editable Text)



What APP? --- Things Recognition (Editable Text)



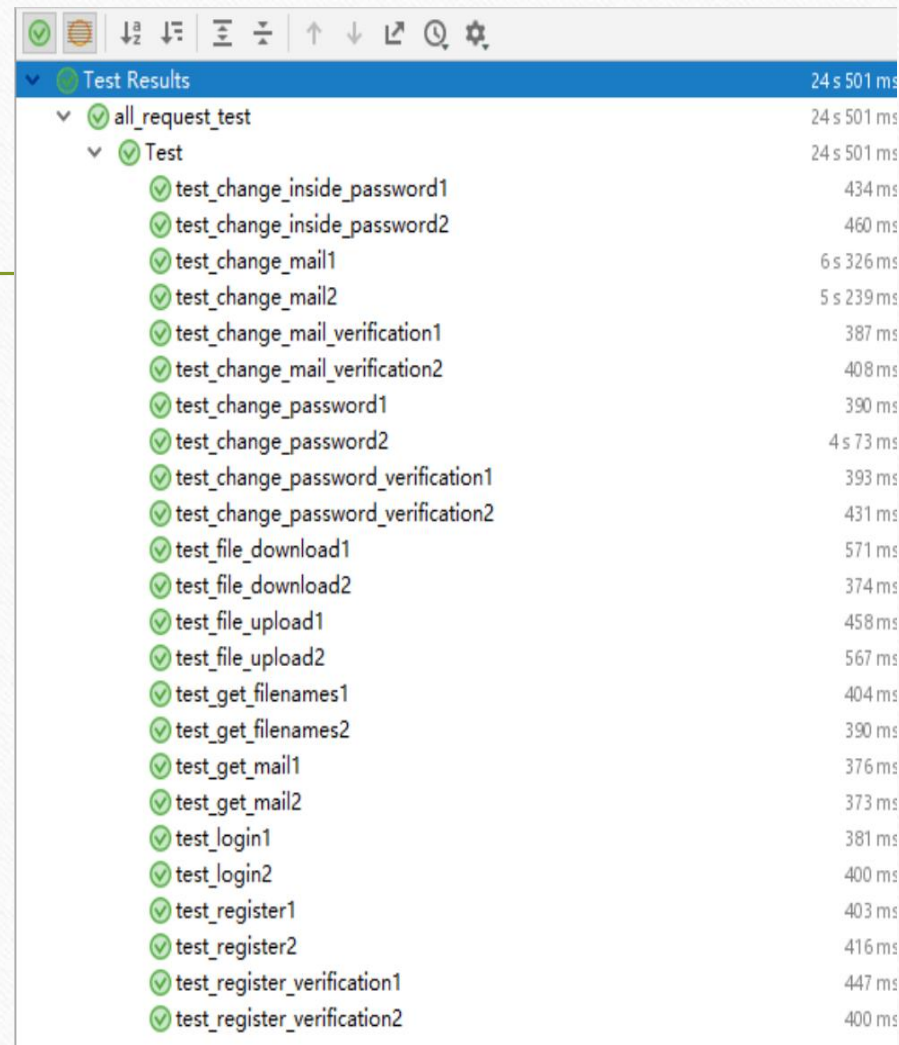
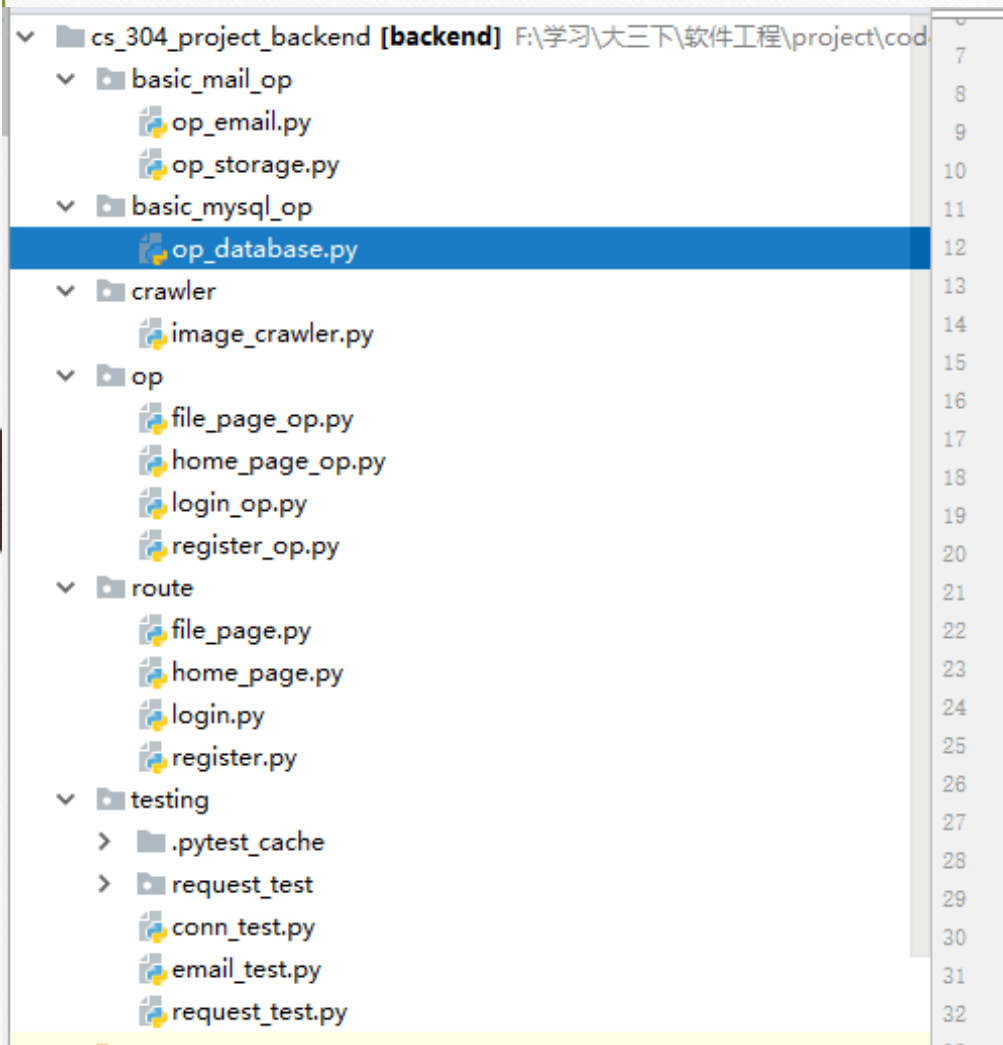
Where to use?

- Save notes in different devices.
- Save things in cloud.
- Transfer images to editable text (Tesseract) \Rightarrow Noting words.
- Find out what things around you is (TensorFlow), Then note it!
 - Support only “cars” now.

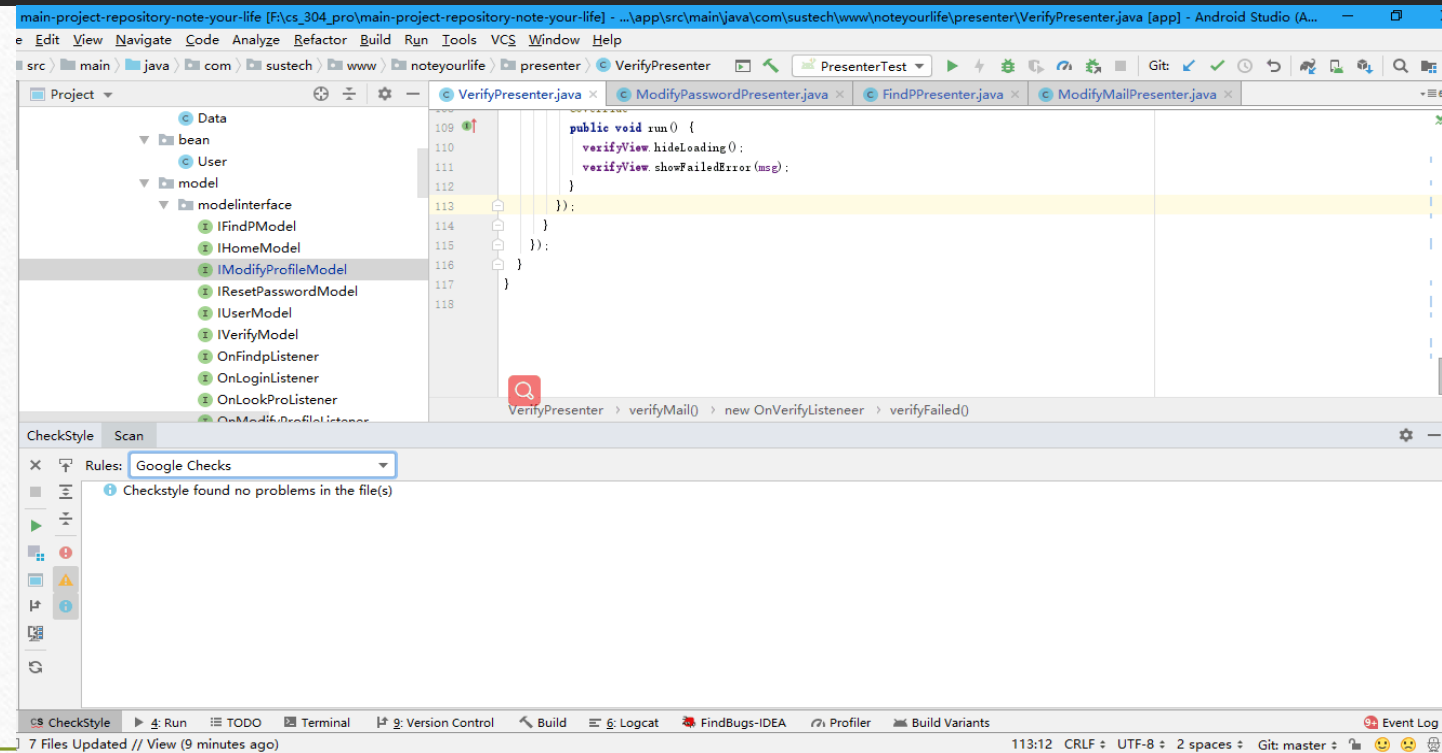
What to do Next?

- Cloud Calculation.
- Recognize more things.
- Improve the model.
- Optimize the UI Interface.

TEST



```
▼ ✓ Test Results 3 s 263 ms Testing started at 22:03 ...
▼ ✓ com.sustech.www.noteyourlif 1 s 388 ms
    ✓ camera 856 ms 05/24 22:03:26: Launching Tests in 'com.sustech.www.noteyourlife.activity'
    ✓ myNotes 532 ms Running tests
▼ ✓ com.sustech.www.noteyourlife.a 559 ms
    ✓ create 559 ms $ adb shell am instrument -w -r -e package com.sustech.www.noteyourlife.activity -e debug false com.sustech.www.noteyourlife.test/android.support.test.runner.AndroidJUnitRunner
▼ ✓ com.sustech.www.noteyourlif 1 s 316 ms Client not ready yet..
    ✓ offline 634 ms Started running tests
    ✓ online 682 ms
```



Thanks to SE project --- We've learnt a lot

- MVP design pattern
- Git usage
- Different ways of Test

Our Structure

```
▼ com.sustech.www.noteyourlife
  ▼ application
    ○ Data
  ▼ bean
    ○ User
  ▼ model
    ▼ modelinterface
      ⓘ IFindPModel
      ⓘ IHomeModel
      ⓘ IModifyProfileModel
      ⓘ IResetPasswordModel
      ⓘ IUserModel
      ⓘ IVerifyModel
      ⓘ OnFindpListener
      ⓘ OnImageListener
      ⓘ OnLoginListener
      ⓘ OnLookProListener
      ⓘ OnModifyProfileListener
      ⓘ OnRegisterListener
      ⓘ OnResetListener
      ⓘ OnVerifyListeneer
    ○ FindPModel
    ○ HomeModel
    ○ ImageModel
    ○ ModifyProfileModel
    ○ ResetPasswordModel
    ○ UserModel
    ○ VerifyModel
  ▼ network
    ○ Request
  ▼ permission
    ○ PermissionHelper
    ⓘ PermissionInterface
    ○ PermissionUtil
```

```
▼ presenter
  ○ FilePresenter
  ○ FindPPresenter
  ○ HomePresenter
  ○ ModifyMailPresenter
  ○ ModifyPasswordPresenter
  ○ ResetPasswordPresenter
  ○ UriPresenter
  ○ UserLoginPresenter
  ○ UserRegisterPresenter
  ○ VerifyPresenter
  ▼ utils
    ○ PhotoUtil
  ▼ view
    ▼ viewinterface
      ⓘ IChangeMailView
      ⓘ IChangePasswordView
      ⓘ IFindbpView
      ⓘ IHomeView
      ⓘ ILoginView
      ⓘ IRegisterView
      ⓘ IResetPView
      ⓘ IVerifyView
    ○ CameraActivity
    ○ ChangeMAActivity
    ○ ChangePActivity
    ○ DownloadActivity
    ○ FindPasswordActivity
    ○ HomeActivity
    ○ LoginActivity
    ○ lookUpActivity
    ○ NoteContentActivity
    ○ NotesActivity
    ○ ProfileActivity
    ○ RegisterActivity
    ○ ResetPActivity
    ○ VerifyActivity
    ○ WelcomeActivity
```


We were hurt a lot

- Incompatibility problem caused by Android fragmentation.
- A dreadful mess of tests implementation.
- The image handling (Bitmap Operation \Rightarrow File Operation: accuracy)

What we think – we must do choices!

- This is a software engineering course, we want the project in an engineering way.
- It is **EXTREMELY HARD** to make tests nearly follow the project procedure.

Thanks
