UI Testing with Kakao

Patipon

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Kakao is a Kotlin DSL (Domain-Specific Language) for Android Automate Test on Espresso

(https://github.com/agoda-com/Kakao)

Create Screen and View

```
open class LoginActivityScreen : Screen<LoginActivityScreen>() {
    val etEmail: KEditText = KEditText { withId(R.id.login_activity_et_email) }
    val etPassword: KEditText = KEditText { withId(R.id.login_activity_et_password) }
    val btLogin: KButton = KButton { withId(R.id.login_activity_bt_login) }
    val btSignUp: KTextView = KTextView { withId(R.id.login_activity_tv_signup) }
    val toastError: KView = KView { withText(R.string.login_error_unauthorized) }
}
```

Screen represents the user interface.And Screen contains KViews,these
are the Android Framework views where you want to do the interactions

Write the test

```
loginScreen {
    etEmail {
        typeText(user)
        hasText(user)
    }

    etPassword {
        typeText(password)
        hasText(password)
    }

    btLogin {
        click()
    }
}
```

Once you have the Screen and the KViews defined, you only have to apply the actions or assertions like in Espresso

Achievements and progress

- Know how to use Kakao

- Completed 2!!! tests case for the login flow.

Next Steps

- Fix problem: can not clear state after finish in each test.

- Implement more test cases

- Improve the tests

Thanks!

Contact Nimbl3

hello@nimbl3.com

399 Sukhumvit Road, Interchange 21
Klongtoey nua, Wattana
Bangkok 10110

20th Floor, Central Tower
28 Queen's Road
Central, Hong Kong

nimbl3.com