**import** kivy

kivy.require('1.11.1')

**from** kivy.app **import** App

**from** kivy.lang **import** Builder

**from** kivy.uix.popup **import** Popup

**from** kivy.factory **import** Factory

**from** kivy.properties **import** ObjectProperty

*#uix lib*

**from** kivy.uix.boxlayout **import** BoxLayout

**from** kivy.uix.floatlayout **import** FloatLayout

**from** kivy.uix.gridlayout **import** GridLayout

**from** kivy.uix.label **import** Label

**from** kivy.uix.button **import** Button

**from** kivy.uix.popup **import** Popup

**from** kivy.uix.screenmanager **import** ScreenManager, Screen

*#other lib*

**import** os

*#kv filepath*

kv **=** Builder.load\_file("appIOTKF.kv")

*#8 screen, 4 popup*

*#all screen -> pass (if empty as placeholder)*

class welcomeScr(*Screen*): *#1*

**pass**

class selVidScr(*Screen*): *#2*

**pass**

class openFileDiag(*FloatLayout*): *#pop1*

select **=** ObjectProperty(None)

cancel **=** ObjectProperty(None)

class chooseSet(*Screen*): *#3*

**pass**

class newSet(*Screen*): *#4*

**def** show\_coor(*self*):

**pass**

class cNoise(*FloatLayout*): *#pop2*

**pass**

class addAct(*FloatLayout*): *#pop3*

**pass**

class loadingScr(*Screen*): *#5*

**pass**

class resultScr(*Screen*): *#6*

**pass**

class resultVid(*FloatLayout*): *#pop4*

**pass**

class aboutScr(*Screen*):

**pass**

class helpScr(*Screen*):

**pass**

scrMg **=** ScreenManager()

scrMg.add\_widget(welcomeScr(

**name** **=** 'welcome\_scr' *#scr id*

))

scrMg.add\_widget(selVidScr(

**name** **=** 'sel\_vid\_scr'

))

scrMg.add\_widget(chooseSet(

**name** **=** 'choose\_set'

))

scrMg.add\_widget(newSet(

**name** **=** 'new\_set'

))

scrMg.add\_widget(loadingScr(

**name** **=** 'loading\_scr'

))

scrMg.add\_widget(resultScr(

**name** **=** 'result\_scr'

))

scrMg.add\_widget(aboutScr(

**name** **=** 'about\_scr'

))

scrMg.add\_widget(helpScr(

**name** **=** 'help\_scr'

))

*#super: App*

class appIOTKF(*App*):

**def** build(*self*):

**return** scrMg

**if** \_\_name\_\_ **==** '\_\_main\_\_':

appIOTKF().run()

<welcomeScr>:

BoxLayout:

*padding*: [2,2,4,2]

*spacing*: 2

*orientation*: 'vertical'

Label:

*font\_size*: 50

*halign*: 'center'

*text*: "Aplikasi Tracking Manusia \n Dalam Ruangan"

Label:

*font\_size*: 30

*text*: "...Details..."

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 190,50

*text*: "Mulai"

*on\_press*: root.manager.current = 'sel\_vid\_scr'

*on\_release*:

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 190,50

*text*: "Bantuan"

*on\_press*: root.manager.current = 'help\_scr'

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 190,50

*text*: "Tentang"

*on\_press*: root.manager.current = 'about\_scr'

Label:

*font\_size*: 10

*text*: "...v0.0...dd/mm/yy..."

<selVidScr>:

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

Label:

*font\_size*: 50

*text*: "Kriteria video"

Label:

*font\_size*: 30

*text*: "penjelasannya"

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 140,50

*text*: "Pilih video"

*on\_press*: root.show\_file()

*#show filename*

Label:

*font\_size*: 50

*text*: "penjelasannya"

*#how?*

Label:

*font\_size*: 50

*text*: "penjelasannya"

Label:

*font\_size*: 30

*text*: "langkah proses"

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 140,50

*text*: "Pengaturan Video"

*on\_press*: root.manager.current = 'new\_set'

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 190,50

*text*: "Lewati Pengaturan Video"

*on\_press*: root.manager.current = 'choose\_set'

Label:

*font\_size*: 10

*text*: "...v0.0...dd/mm/yy..."

<openFileDiag>:

BoxLayout:

*size*: root.size

*pos*: root.pos

*orientation*: "vertical"

FileChooserListView:

*id*: filechooser

BoxLayout:

*size\_hint\_y*: None

*height*: 30

Button:

*text*: "Cancel"

*on\_release*: root.cancel()

Button:

*text*: "Load"

*on\_press*: root.select(filechooser.path, filechooser.selection)

*on\_release*: root.cancel()

<helpScr>:

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

Label:

*font\_size*: 50

*text*: "Help"

Label:

*font\_size*: 50

*text*: "how to use....tutorial explanations...."

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 140,50

*size\_hint*: .1, .1

*text*: "Home"

*on\_press*: root.manager.current = 'welcome\_scr'

Label:

*font\_size*: 10

*text*: "...v0.0...dd/mm/yy..."

<aboutScr>:

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

Label:

*font\_size*: 50

*text*: "About this application"

Label:

*font\_size*: 30

*text*: "....5W 1H...."

Button:

*pos\_hint*: {'center\_x': .5, 'center\_y': .5}

*size\_hint*: None, None

*size*: 140,50

*size\_hint*: .1, .1

*text*: "Home"

*on\_press*: root.manager.current = 'welcome\_scr'

Label:

*font\_size*: 10

*text*: "...v0.0...dd/mm/yy..."

<newSet>:

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

Label:

*font\_size*: 50

*text*: "New video setup"

Button:

*pos\_hint*: {'center\_x': .9, 'center\_y': .5}

*size\_hint*: None, None

*size*: 250,50

*size\_hint*: .2, .1

*text*: "show coordinate"

*on\_press*:

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'horizontal'

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

Label:

*font\_size*: 12

*text*: "Noise location x"

Label:

*font\_size*: 12

*text*: "Noise location y"

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

TextInput:

*id*: noise\_loc\_x

*multiline*:False

*font\_size*: 12

TextInput:

*id*: noise\_loc\_y

*multiline*:False

*font\_size*: 12

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'horizontal'

CheckBox:

*on\_active*:

Label:

*font\_size*: 12

*text*: "Horizontal Top"

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'horizontal'

CheckBox:

*on\_active*:

Label:

*font\_size*: 12

*text*: "Horizontal Bottom"

BoxLayout:

*padding*: [2,2,2,10]

*spacing*: 2

*orientation*: 'vertical'

Label:

*font\_size*: 12

*text*: " Vertical Left"

CheckBox:

*on\_active*:

Label:

*font\_size*: 12

*text*: "Right"

CheckBox:

*on\_active*:

Label:

*font\_size*: 10

*text*: "...v0.0...dd/mm/yy..."