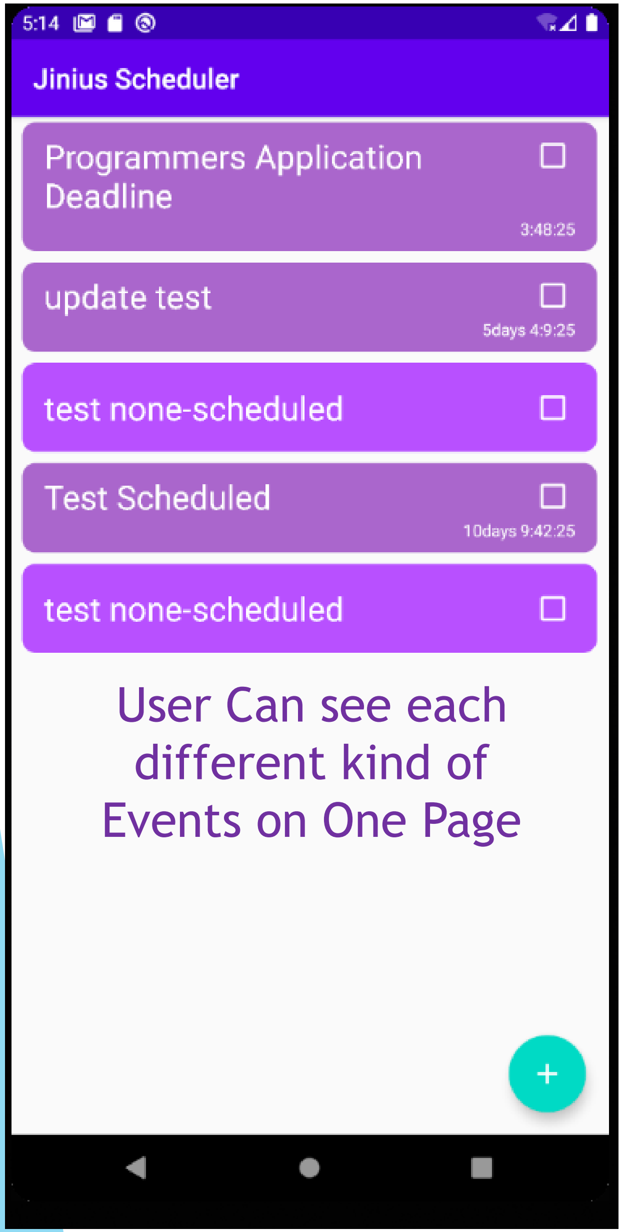
JINIUS SCHEDULER

Function document

https://github.com/pandajiny/jinius-scheduler.git

OVERVIEW


5:14

Jinius Scheduler

Programmers Application Deadline 3:48:25

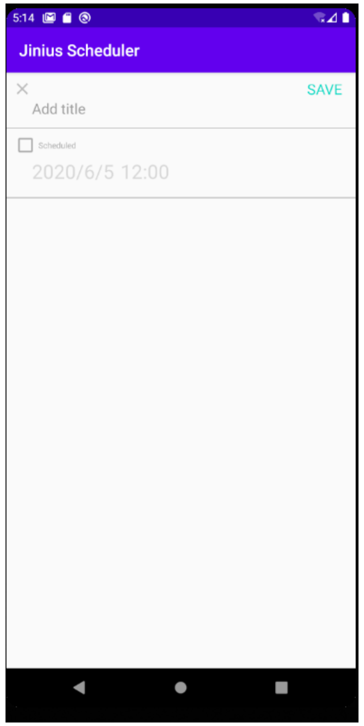
update test 5days 4:9:25

test none-scheduled

Test Scheduled 10days 9:42:25

test none-scheduled

User Can see each different kind of Events on One Page


Jinius Scheduler

SAVE

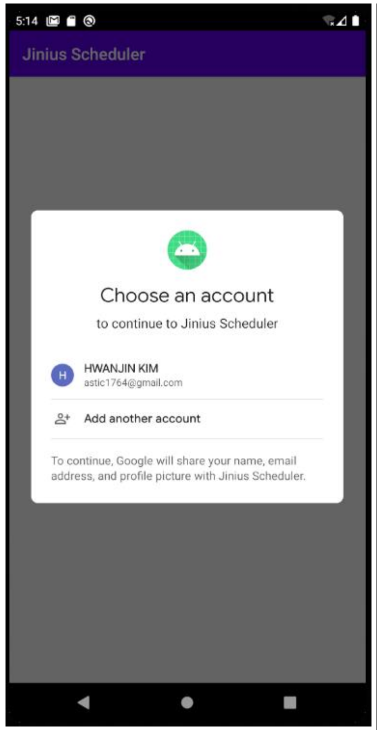
Add title

Scheduled

2020/6/5 12:00

Add Todo Activity

Add Schedule


Jinius Scheduler

Choose an account

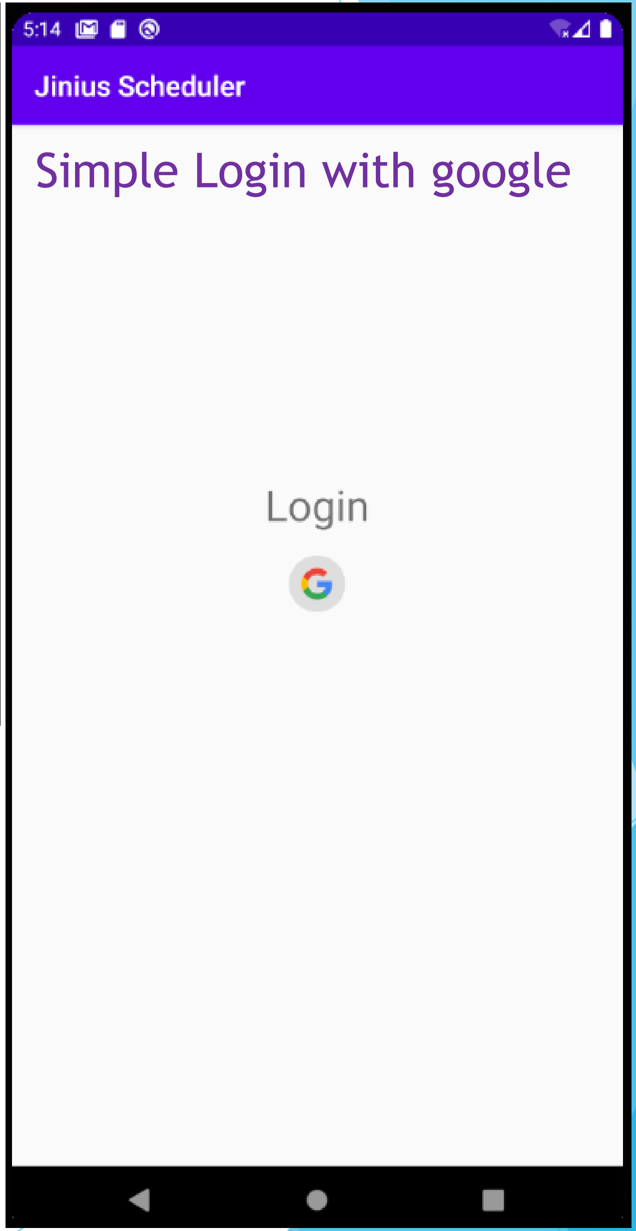
to continue to Jinius Scheduler

HWANJIN KIM
astic1764@gmail.com

Add another account

To continue, Google will share your name, email address, and profile picture with Jinius Scheduler.

Login Activity


Jinius Scheduler

Simple Login with google

Login

Stack

UI

- Android + Kotlin

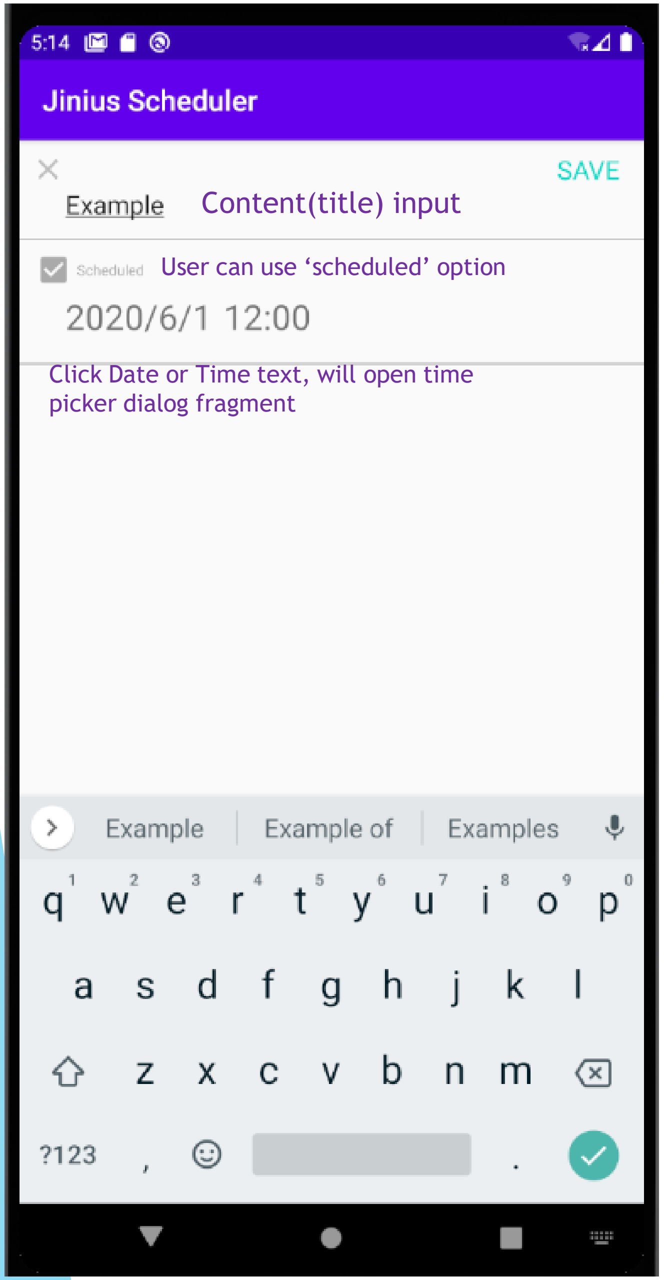
Authentication

- Firebase with Google Login

Data storing

- Firebase Realtime database

Add Event(Todo)

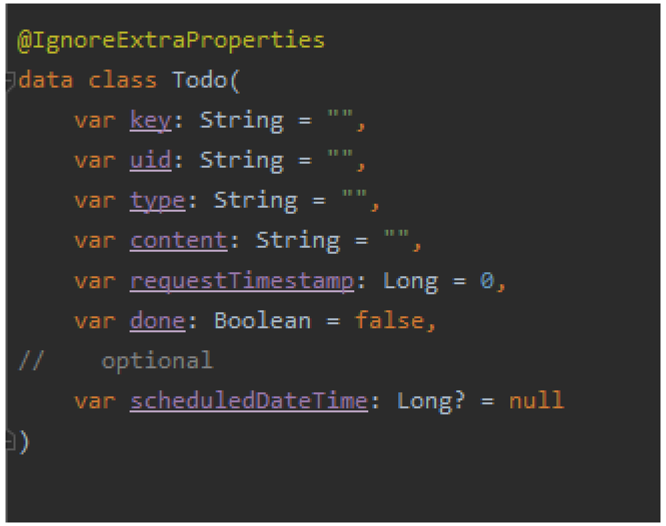


Content(title) input

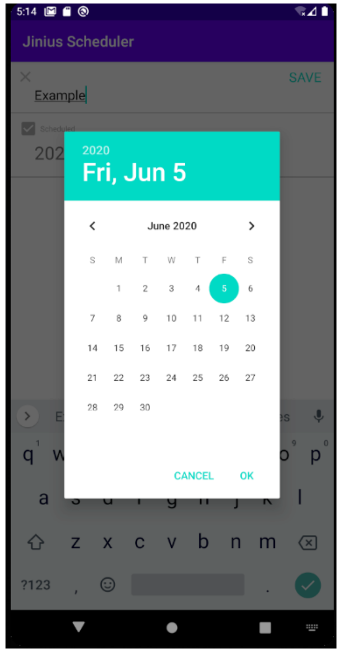
User can use 'scheduled' option

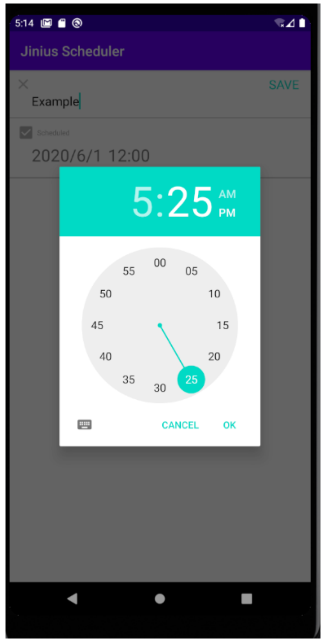
Click Date or Time text, will open time picker dialog fragment

Class Definition

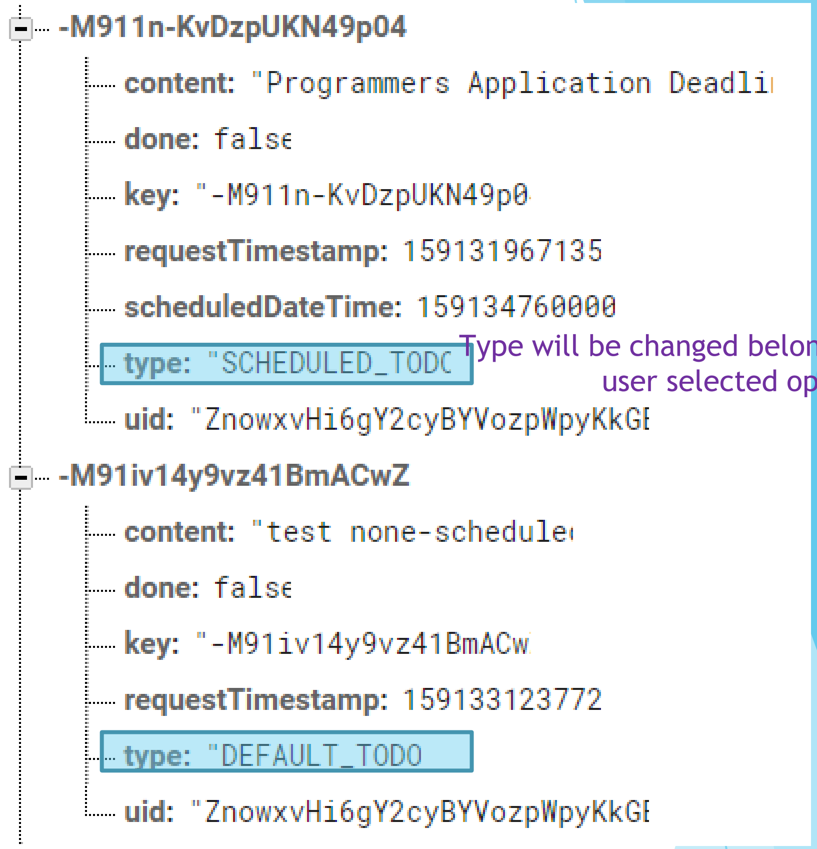


```
@IgnoreExtraProperties
data class Todo(
    var key: String = "",
    var uid: String = "",
    var type: String = "",
    var content: String = "",
    var requestTimestamp: Long = 0,
    var done: Boolean = false,
//    optional
    var scheduledDateTime: Long? = null
)
```





Example Add events screen

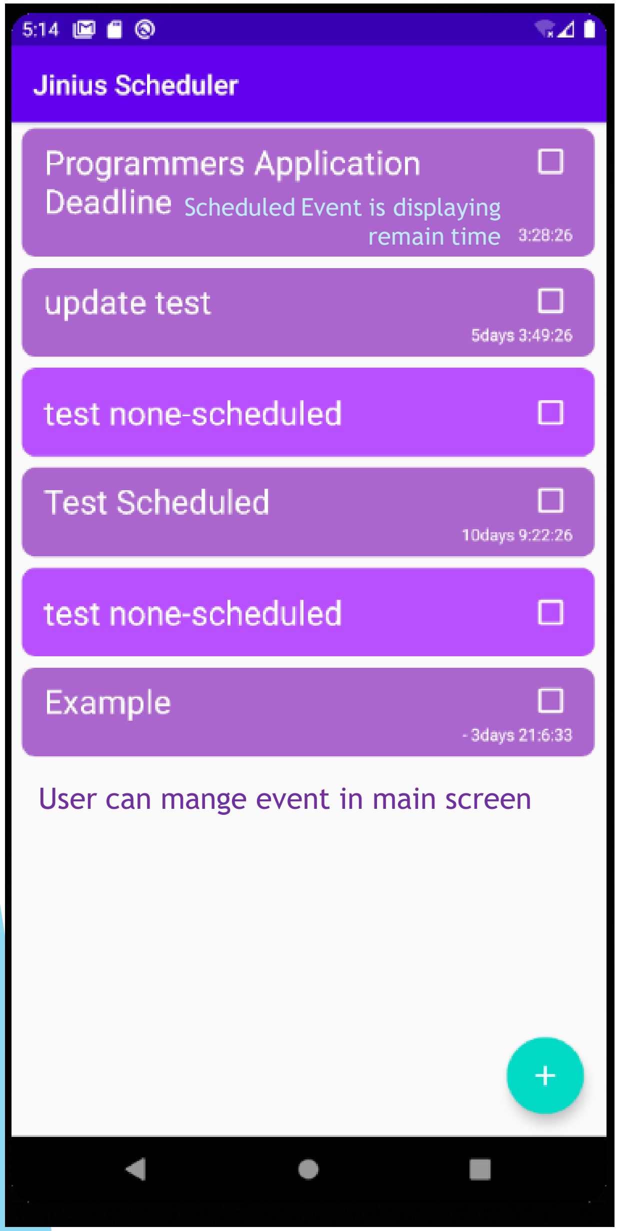


```
-M911n-KvDzpUKN49p04
    content: "Programmers Application Deadli
    done: false
    key: "-M911n-KvDzpUKN49p0
    requestTimestamp: 159131967135
    scheduledDateTime: 159134760000
    type: "SCHEDULED_TODO
    uid: "ZnowxvHi6gY2cyBYVozpWpyKkGE
-M91iv14y9vz41BmACwZ
    content: "test none-schedule
    done: false
    key: "-M91iv14y9vz41BmACw
    requestTimestamp: 159133123772
    type: "DEFAULT_TODO
    uid: "ZnowxvHi6gY2cyBYVozpWpyKkGE
```

Type will be changed belong to user selected option

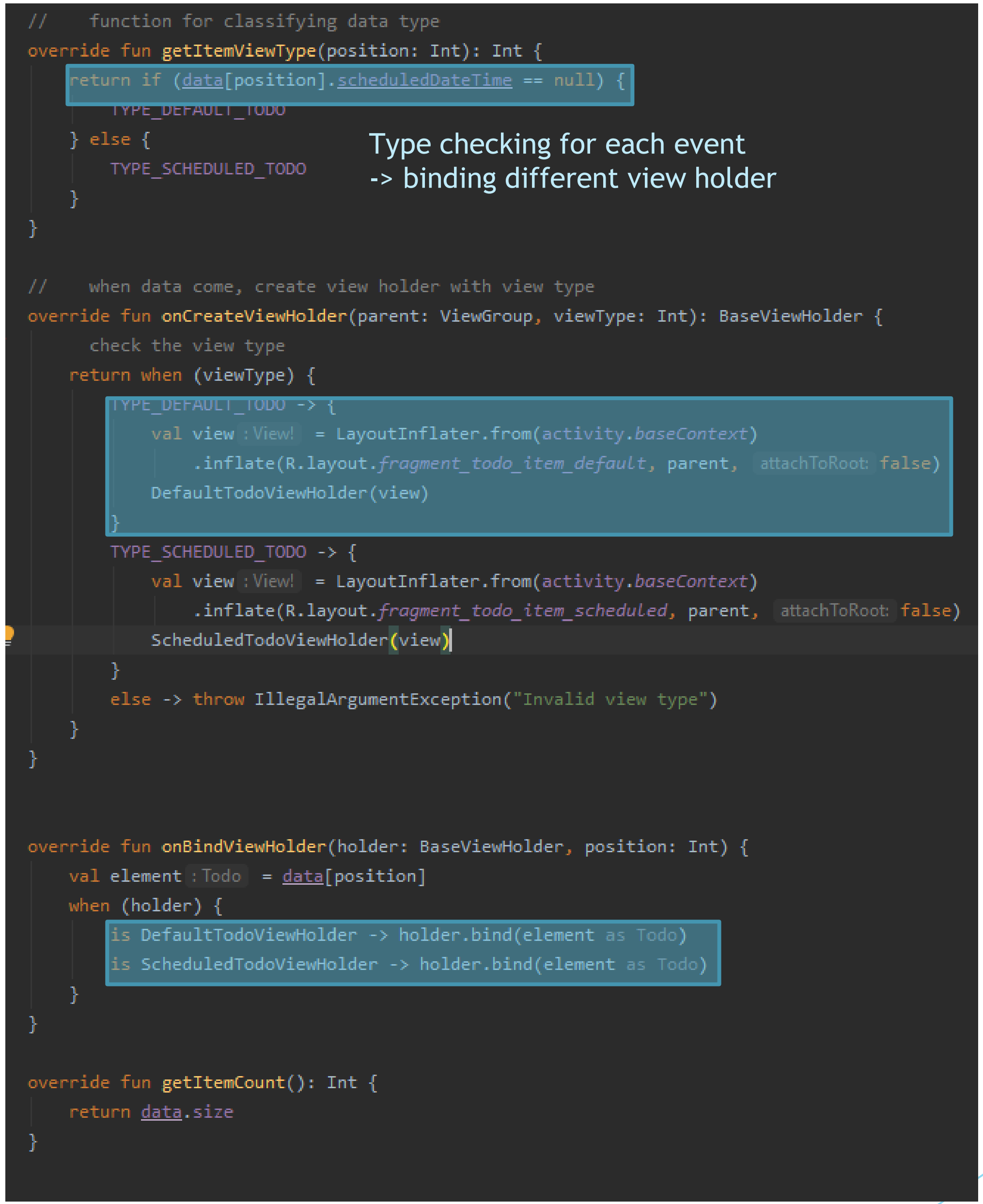
https://github.com/pandajiny/jinius-scheduler/blob/master/android/app/src/main/java/com/example/jiniusscheduler/schedules/todo/AddTodoActivity.kt

Display Event



Scheduled Event is displaying remain time

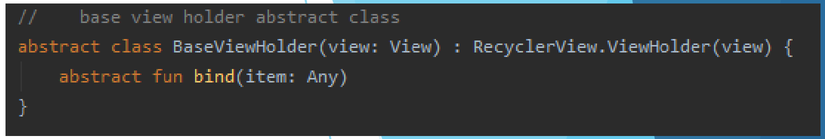
User can mange event in main screen



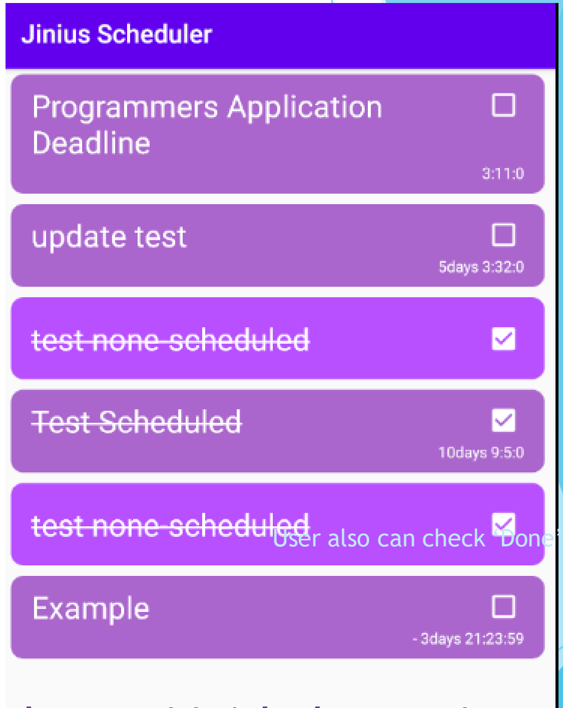
```
//    function for classifying data type
override fun getItemViewType(position: Int): Int {
    return if (data[position].scheduledDateTime == null) {
        TYPE_DEFAULT_TODO
    } else {
        TYPE_SCHEDULED_TODO
    }
}

//    when data come, create view holder with view type
override fun onCreateViewHolder(parent: ViewGroup, viewType: Int): BaseViewHolder {
        check the view type
    return when (viewType) {
        TYPE_DEFAULT_TODO -> {
            val view : View!  = LayoutInflater.from(activity.baseContext)
                .inflate(R.layout.fragment_todo_item_default, parent,  attachToRoot: false)
            DefaultTodoViewHolder(view)
        }
        TYPE_SCHEDULED_TODO -> {
            val view : View!  = LayoutInflater.from(activity.baseContext)
                .inflate(R.layout.fragment_todo_item_scheduled, parent,  attachToRoot: false)
            ScheduledTodoViewHolder(view)
        }
        else -> throw IllegalArgumentException("Invalid view type")
    }
}


override fun onBindViewHolder(holder: BaseViewHolder, position: Int) {
    val element : Todo  = data[position]
    when (holder) {
        is DefaultTodoViewHolder -> holder.bind(element as Todo)
        is ScheduledTodoViewHolder -> holder.bind(element as Todo)
    }
}

override fun getItemCount(): Int {
    return data.size
}
```

Type checking for each event
-> binding different view holder

Inherit Base View holder



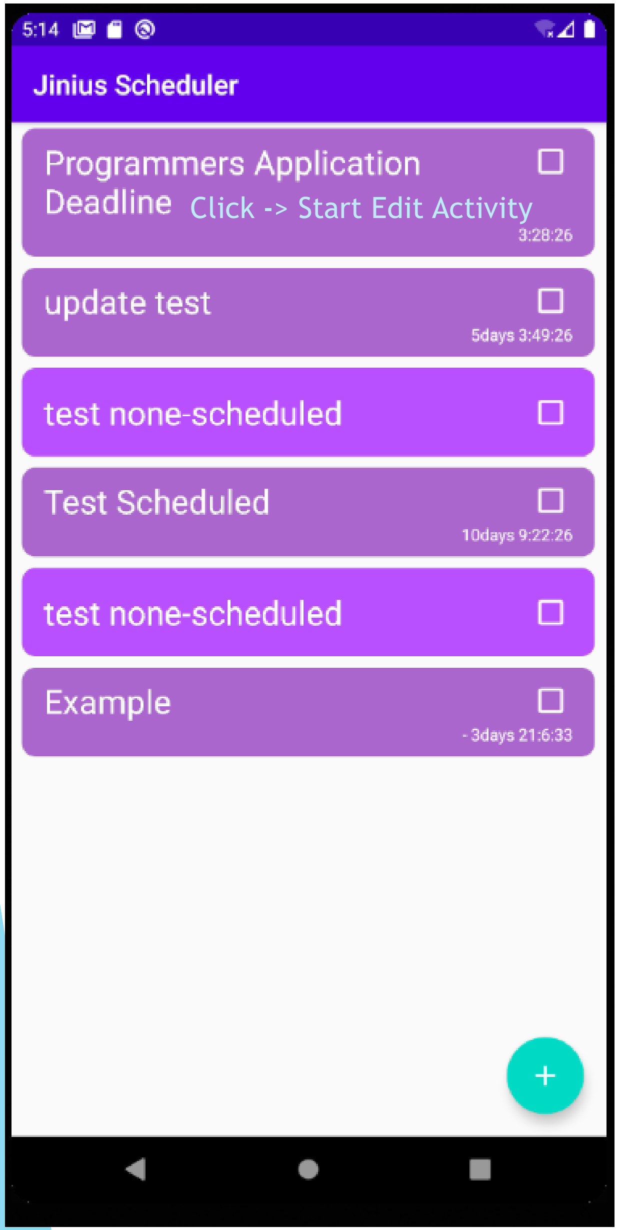
```
//    base view holder abstract class
abstract class BaseViewHolder(view: View) : RecyclerView.ViewHolder(view) {
    abstract fun bind(item: Any)
}
```



User also can check 'Done' mark

https://github.com/pandajiny/jinius-scheduler/blob/master/android/app/src/main/java/com/example/jiniusscheduler/schedules/SchedulesActivity.kt

Edit Event(Todo)



Programmers Application Deadline
Click -> Start Edit Activity
3:28:26

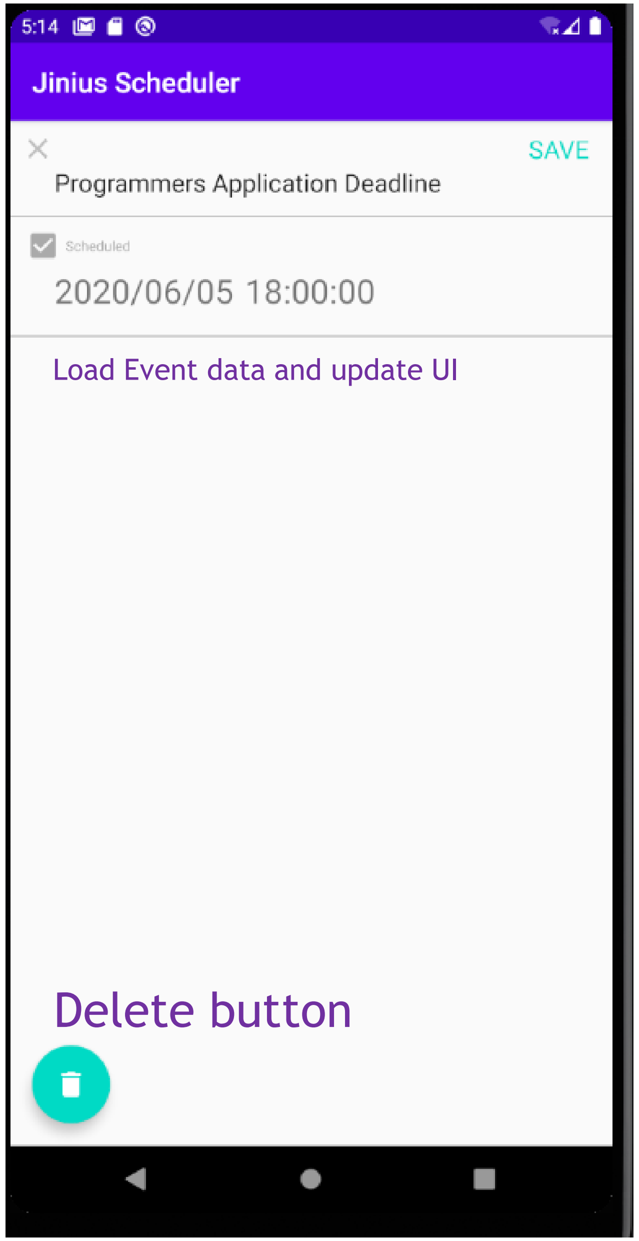
update test
5days 3:49:26

test none-scheduled

Test Scheduled
10days 9:22:26

test none-scheduled

Example
-3days 21:6:33

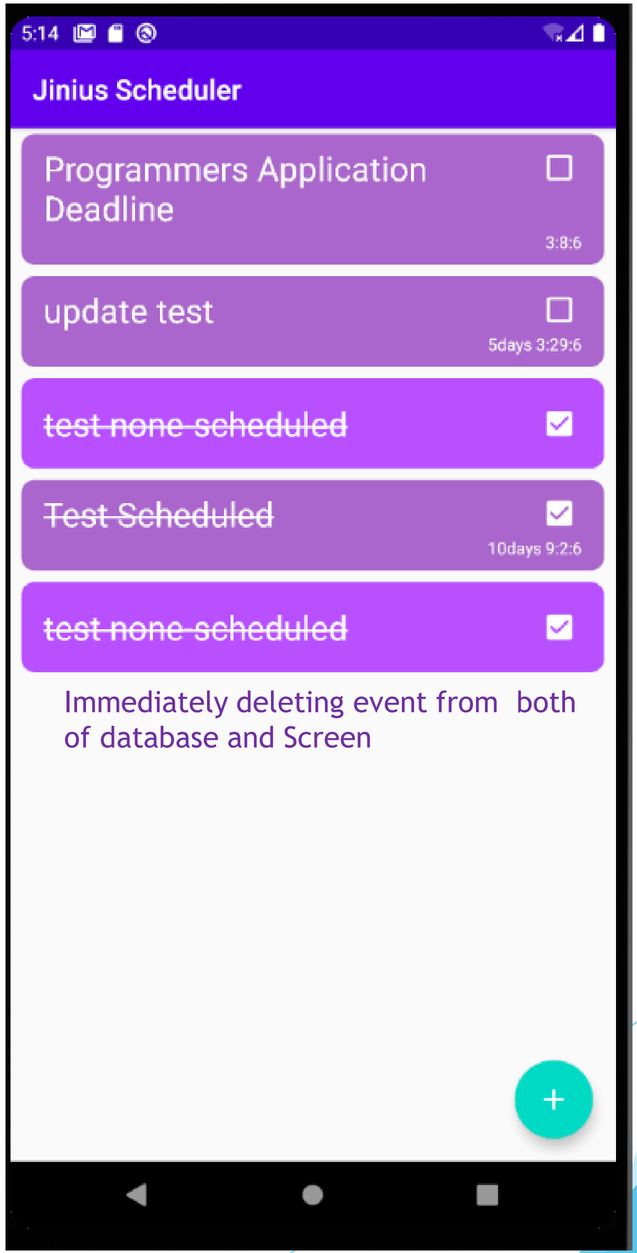


Programmers Application Deadline

2020/06/05 18:00:00

Load Event data and update UI

Delete button



Programmers Application Deadline
3:8:6

update test
5days 3:29:6

~~test none-scheduled~~

~~Test Scheduled~~
10days 9:2:6

~~test none-scheduled~~

Immediately deleting event from both of database and Screen

https://github.com/pandajiny/jinius-scheduler/blob/master/android/app/src/main/java/com/example/jiniusscheduler/schedules/todo/EditTodoActivity.kt

Next step

Events type

- Implement more various kinds of type

Dynamic UI

- Scroll and Slide Action

Sharing

- Add a friend
- Sharing my events with friends.