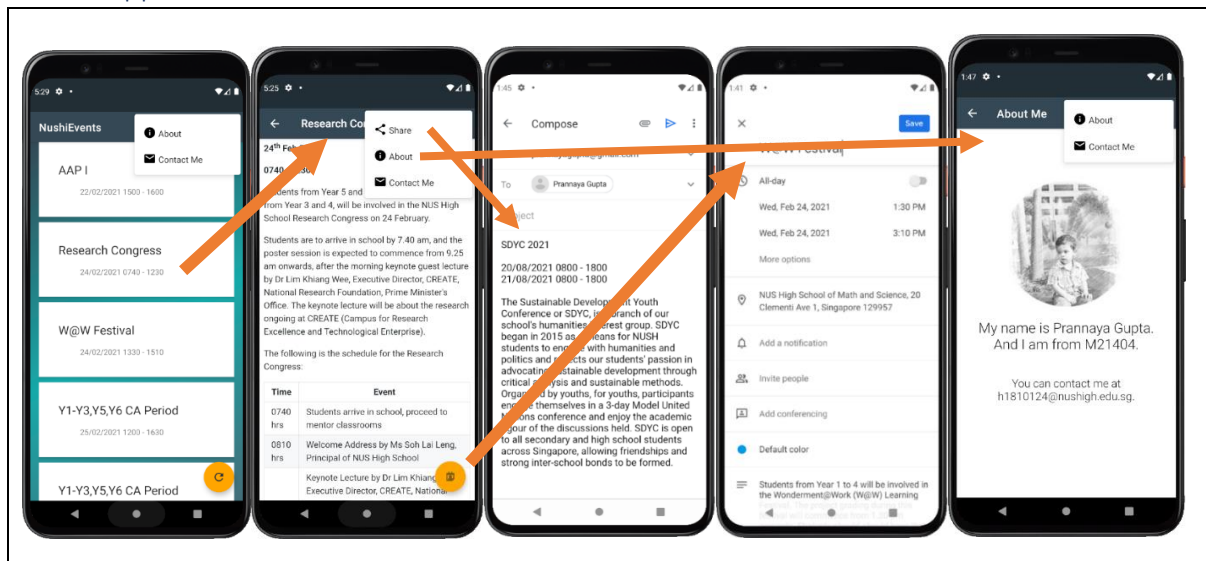


# NUSHiEvents

## Highlight of key features

- A large list of events
- Details about each event
- Share information regarding events
- Add events to calendar
- About page
- Swipe to open

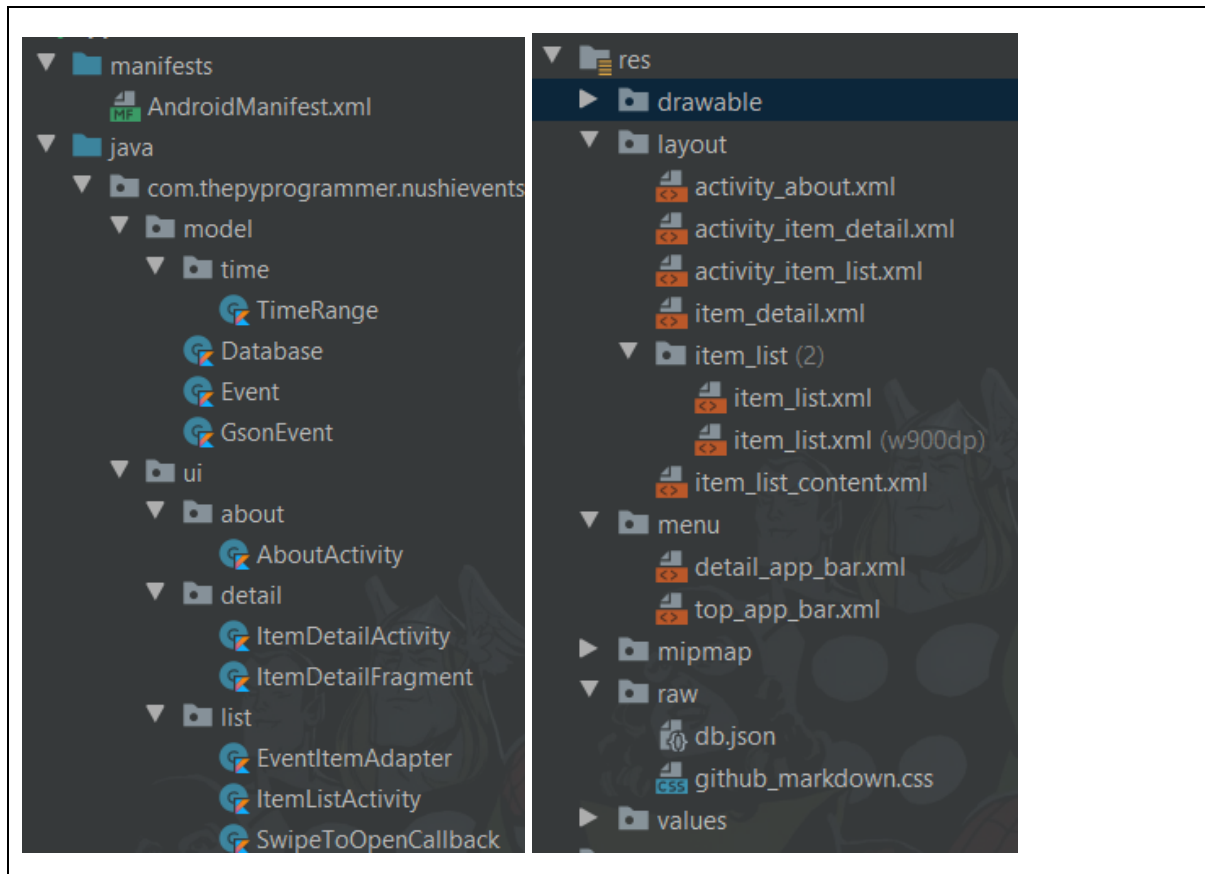
## Flow of app



## Description

Upon start-up of the app, the list of events open up. Upon clicking on any of these cards in the list, you may get some information regarding the event where it opens up a new page with a Collapsing Toolbar. In this activity, clicking the FloatingActionButton allows the user to save the event to his/her calendar of choice. The Overflow Menu also allows sharing of information using messenger apps, Drive or mail. In the overflow menus on both the main page and the detail pages, there is an option to go to an about page, or to contact the creator regarding the application. Both the about page and the detail page lead back to the main page, where only upcoming/ongoing events are shown. All other events are removed.

## Files structure



### Short description of key Java/ Kotlin file

Ideally, the file name should reflect a particular file's role. If it is not clear, please explain here.

Database	Database class, essentially. Inherited from ArrayList
TimeRange	Class for parsing the datetime arrangement used
Event, GsonEvent	Data classes for storing of events in Json
ItemDetailActivity, ItemDetailFragment	Activity/Fragment classes to handle detail pages
AboutActivity	Activity class to handle About page
ItemListActivity	Handled the list page
EventItemAdapter	Handles the operations of the RecyclerView
SwipeToOpenCallback	As the name suggests, class to enable opening upon swiping on event card

## Code implementation of key features

```
// Show the html in the WebView, accompanied with CSS
item?.let {
    val sc = Scanner(resources.openRawResource(R.raw.github_markdown))
    val scBuilder = StringBuilder()
    while (sc.hasNext()) {
        scBuilder.append(sc.nextLine() + "\n")
    }

    val hub = rootView.findViewById<WebView>(R.id.item_detail)

    hub.webViewClient = object : WebViewClient() {
        override fun shouldOverrideUrlLoading(view: WebView, url: String): Boolean {
            view.loadUrl(url)
            return false
        }
    }

    val builder =
        StringBuilder("<!DOCTYPE
html>\n<html>\n<body>\n<style>\n").append(scBuilder.toString())
        .append("\n</style>\n").append(it.info).append("</body>\n</html>")
    content = builder.toString()
    hub.loadDataWithBaseUrl(null, content, "text/html", "utf-8", null)
}
```

```
val calIntent = Intent(Intent.ACTION_INSERT).apply {
    type = "vnd.android.cursor.item/event"
    data = Events.CONTENT_URI
    putExtra(Events.TITLE, Database.currentItem?.title)
    putExtra(Events.ALL_DAY, allDay)
    putExtra(Events.DESRIPTION, Database.currentItem?.content)
    putExtra(
        CalendarContract.EXTRA_EVENT_BEGIN_TIME,
        startMillis
    )
    putExtra(
        CalendarContract.EXTRA_EVENT_END_TIME,
        endMillis
    )
    putExtra(Events.EVENT_LOCATION, getString(R.string.nushAddress))
}

startActivity(calIntent)
```