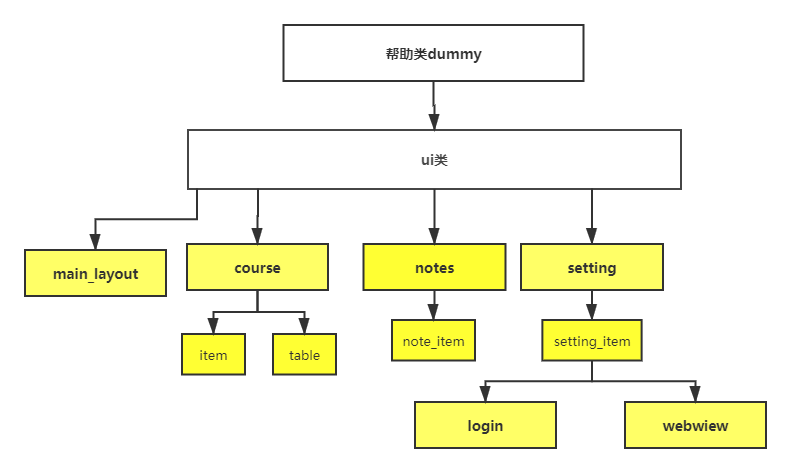
1. 设计用户流程及其中的关键步骤，每一步骤都是一个主要界面。



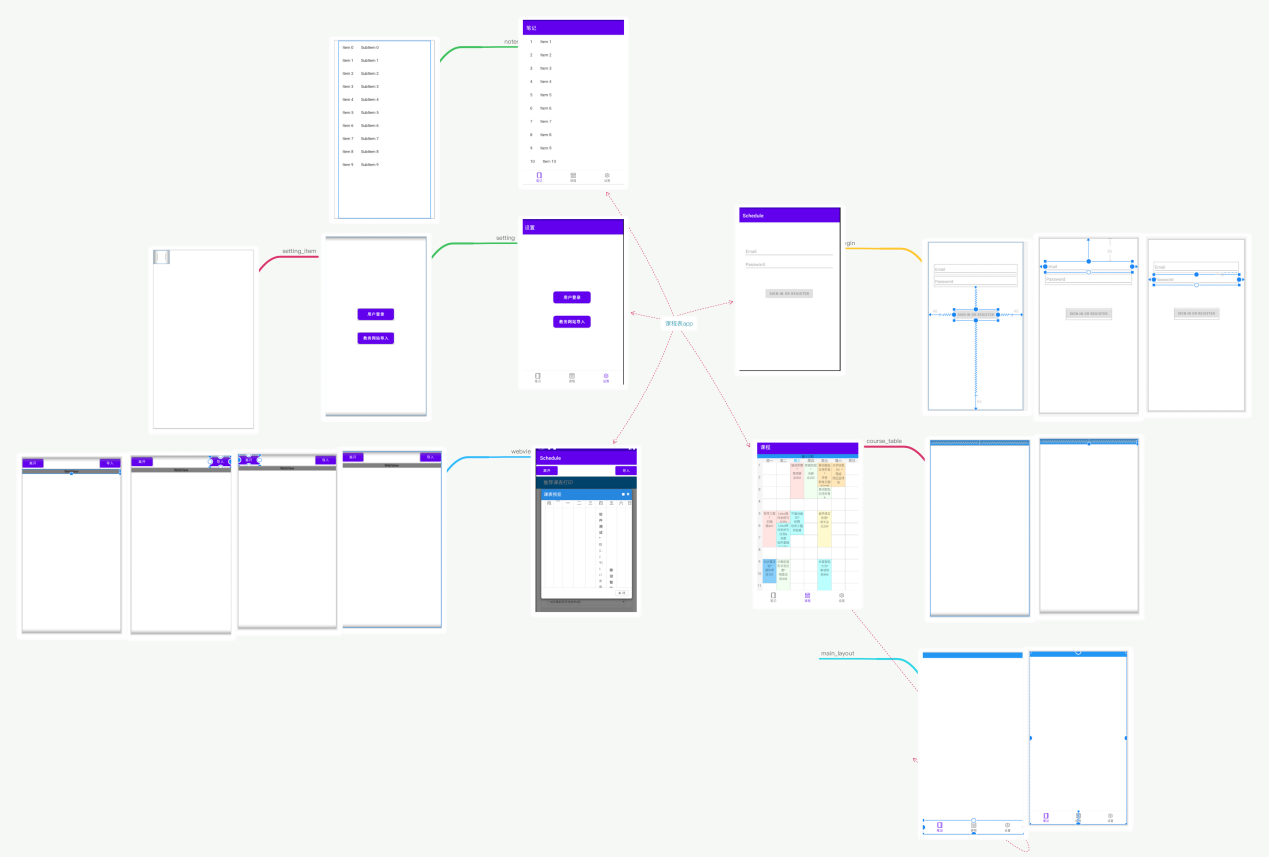
1. 确定关键界面里的UI元素和布局，以及全局的布局排版风格。

|  |  |  |
| --- | --- | --- |
|  | UI元素 | 布局 |
| Main\_layout | **fragment**  **BottomNavigationView** | **ConstraintLayout** |
| Course\_item | **七个LinearLayout** | **LinearLayout** |
| Course\_table | **TextView** | **LinearLayout**  **RelativeLayout** |
| Notes |  | **RecyclerView** |
| Notes\_item | **两个TextView** | **LinearLayout** |
| Setting | **两个Button** | **LinearLayout** |
| Setting\_item | **两个TextView** | **LinearLayout** |
| Webview | **两个Button** | **LinearLayout**  **RelativeLayout**  **WebView** |
| Login | **EditText**  **Button**  **ProgressBar** | **ConstraintLayout** |

1. 确定产品界面的视觉设计风格，包括构图、配色、字体、动效等。

设计风格以简约为主，构图采用清晰、简单、明了的风格，配色以浅色系为主、字体采用黑体

4. 交互流程设计，全部界面的线框图（如下）设计。



5.关键代码实现。

Dummy类

**package** team.android.schedule.dummy  
  
**import** java.util.ArrayList  
**import** java.util.HashMap  
  
*/\*\*  
 \* Helper class for providing sample content for user interfaces created by  
 \* Android template wizards.  
 \*  
 \** ***TODO: Replace all uses of this class before publishing your app.*** *\*/***object** DummyContent {  
  
 */\*\*  
 \* An array of sample (dummy) items.  
 \*/* **val ITEMS**: MutableList<DummyItem> = ArrayList()  
  
 */\*\*  
 \* A map of sample (dummy) items, by ID.  
 \*/* **val ITEM\_MAP**: MutableMap<String, DummyItem> = HashMap()  
  
 **private val COUNT** = 25  
  
 **init** {  
 *// Add some sample items.* **for** (i **in** 1..**COUNT**) {  
 addItem(createDummyItem(i))  
 }  
 }  
  
 **private fun** addItem(item: DummyItem) {  
 **ITEMS**.add(item)  
 **ITEM\_MAP**.put(item.**id**, item)  
 }  
  
 **private fun** createDummyItem(position: Int): DummyItem {  
 **return** DummyItem(position.toString(), **"Item "** + position, makeDetails(position))  
 }  
  
 **private fun** makeDetails(position: Int): String {  
 **val** builder = StringBuilder()  
 builder.append(**"Details about Item: "**).append(position)  
 **for** (i **in** 0..position - 1) {  
 builder.append(**"\nMore details information here."**)  
 }  
 **return** builder.toString()  
 }  
  
 */\*\*  
 \* A dummy item representing a piece of content.  
 \*/* **data class** DummyItem(**val id**: String, **val content**: String, **val details**: String) {  
 **override fun** toString(): String = **content** }  
}

Course相关类

**package** team.android.schedule.ui.course  
  
**import** team.android.schedule.ui.settings.Settings  
  
**data class** Course(**var name**: String)  
*/\*\*  
 \* 课程数据类  
 \** ***@author*** *Yehoar  
 \** ***@param name*** *课程名，必须要有  
 \** ***@property classroom*** *上课地点  
 \** ***@property teacher*** *教师  
 \** ***@property dayTime*** *该课程每天上课的时间，成对使用[开始，结束]  
 \** ***@property weekTime*** *该课程上课的周次，成对使用[开始，结束]  
 \** ***@property color*** *该课程在课程表显示的颜色，创建后同一门课颜色一样，初始化时随机确定  
 \*/*{  
 **var classroom** = **""  
 var teacher** = **""  
 var dayTime** = ArrayList<Int>()  
 **var weekTime** = ArrayList<Int>()  
 **var color** = 0  
  
 **init** {  
 **val** random = (0..Settings.**colors**.*lastIndex*).*shuffled*().*first*()  
 **color** = Settings.**colors**[random]  
 }  
  
 **override fun** toString(): String  
 {  
 **return "$name\n$teacher\n$classroom"** }  
}

**package** team.android.schedule.ui.course  
**import** android.os.Bundle  
**import** android.util.DisplayMetrics  
**import** android.util.Log  
**import** android.view.Gravity  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** android.widget.LinearLayout  
**import** android.widget.TextView  
**import** androidx.fragment.app.Fragment  
**import** androidx.recyclerview.widget.LinearLayoutManager  
**import** androidx.recyclerview.widget.PagerSnapHelper  
**import** androidx.recyclerview.widget.RecyclerView  
**import** kotlinx.android.synthetic.main.fragment\_course\_table.\*  
**import** team.android.schedule.R  
**import** team.android.schedule.ui.settings.Settings  
**import** team.android.schedule.ui.webview.Spider  
**import** java.io.BufferedReader  
**import** java.io.FileNotFoundException  
**import** java.io.InputStreamReader  
**import** java.util.\*  
**import** kotlin.collections.ArrayList  
  
*//* ***TODO: Rename parameter arguments, choose names that match****// the fragment initialization parameters, e.g. ARG\_ITEM\_NUMBER***private const val** *ARG\_PARAM1* = **"param1"  
private const val** *ARG\_PARAM2* = **"param2"***/\*\*  
 \* A simple* ***[Fragment]*** *subclass.  
 \* Use the* ***[CourseTableFragment.newInstance]*** *factory method to  
 \* create an instance of this fragment.  
 \*/***class** CourseTableFragment : Fragment()  
{  
 */\*\*  
 \** ***@author*** *Yehoar  
 \* 该类负责填充课程表格布局，布局文件为src\main\res\layout\fragment\_course\_table.xml  
 \* 项目安卓API等级为16，部分过时的函数需要更高版本的API替换  
 \* 界面目前分为四个部分：  
 \* (1)顶部showWeek:TextView 封装在一个RelativeLayout中居中显示周数,在createTopTitle()中初始化  
 \* (2)中间weekTitle负责显示星期几，共8个TextView封装在一个LinearLayout中,在createTopTitle()中初始化  
 \* (3)左侧课程节次负责显示第几节课，共Settings.coursesOfDay个TextView封装在一个LinearLayout中,在createLeftBar()中初始化  
 \* (4)右侧课程信息，该部分是一个RecyclerView，与上面的leftBar封装在同一个LinearLayout中，放在界面的下半部分  
 \* 以上4个View都封装在id为root的LinearLayout中  
 \* 利用动态计算的单元格大小实现类似GridLayout的视图  
 \* 该布局原本是在Activity中使用，现修改适配Fragment  
 \*/  
  
 //* ***TODO: Rename and change types of parameters* private var param1**: String? = **null  
 private var param2**: String? = **null  
 private lateinit var adapter**: TableAdapter  
  
 **override fun** onCreate(savedInstanceState: Bundle?)  
 {  
 **super**.onCreate(savedInstanceState)  
 *arguments*?.*let* **{  
 param1** = **it**.getString(*ARG\_PARAM1*)  
 **param2** = **it**.getString(*ARG\_PARAM2*)  
 **}** }  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?, savedInstanceState: Bundle?): View?  
 {  
 *// Inflate the layout for this fragment* **return** inflater.inflate(R.layout.*fragment\_course\_table*, container, **false**)  
 }  
  
 **companion object** {  
 */\*\*  
 \* Use this factory method to create a new instance of  
 \* this fragment using the provided parameters.  
 \*  
 \** ***@param param1*** *Parameter 1.  
 \** ***@param param2*** *Parameter 2.  
 \** ***@return*** *A new instance of fragment CourseTableFragment.  
 \*/  
 // TODO: Rename and change types and number of parameters* @JvmStatic  
 **fun** newInstance(param1: String, param2: String) = CourseTableFragment().*apply* **{** *arguments* = Bundle().*apply* **{** putString(*ARG\_PARAM1*, param1)  
 putString(*ARG\_PARAM2*, param2)  
 **}  
 }** }  
  
 **override fun** onActivityCreated(savedInstanceState: Bundle?)  
 {  
 **super**.onActivityCreated(savedInstanceState)  
 **val** dm = DisplayMetrics()  
 *activity*?.*windowManager*?.defaultDisplay?.getMetrics(dm) *//替换需要API30的 display* Settings.setScreenParameter(dm.widthPixels, dm.heightPixels)  
 *//填充布局* createTopTitle()  
 createLeftBar()  
 fillTable()  
 }  
  
 **private fun** createTopTitle()  
 {  
 **val** t = **"第${**Settings.curWeek**}周"** *//此处单纯不想让IDE警告，可合并* showWeek.text = t  
 showWeek.height = Settings.cellHeight  
 showWeek.width = Settings.screenWidth  
  
 **val** today = Calendar.getInstance().get(Calendar.DAY\_OF\_WEEK) - 1 *//计算今天是星期几，注意虚拟机默认时区* **val** header = listOf(**" "**, **"周一"**, **"周二"**, **"周三"**, **"周四"**, **"周五"**, **"周六"**, **"周日"**)  
 **val** tmp = (Settings.screenWidth - Settings.cellWidth) / 7 *//非空白格子的宽度较大* **val** params = LinearLayout.LayoutParams(ViewGroup.LayoutParams.WRAP\_CONTENT, ViewGroup.LayoutParams.WRAP\_CONTENT)  
 params.setMargins(0, 0, Settings.margin, Settings.margin)  
  
 **for** ((index, str) **in** header.withIndex())  
 {  
 **val** cell = TextView(context)  
 cell.text = str  
 cell.gravity = Gravity.CENTER\_HORIZONTAL  
 cell.textSize = 14.0f  
 cell.layoutParams = params  
 cell.height = Settings.cellHeight  
 cell.setBackgroundColor(Settings.WhiteSnow)  
 *//宽度设置，第一项略窄* **if** (index == 0)  
 {  
 cell.width = Settings.cellWidth  
 } **else** {  
 cell.width = tmp  
 }  
 **if** (today == index)  
 {  
 cell.setTextColor(Settings.DeepSkyBlue)  
 }  
 weekTitle.addView(cell)  
 }  
  
 *//此处重新定义了每个格子的高度：剩余空白部分/(最大每天课程数+3),确定导航栏之后需修改该部分权重  
 //此时单元格高度已被固定，但宽度未定* Settings.cellHeight = ((Settings.screenHeight - 2 \* (Settings.cellHeight + Settings.margin)) / (Settings.coursesOfDay + 2.5)).toInt()  
 }  
  
 **private fun** createLeftBar()  
 {  
 **val** params = LinearLayout.LayoutParams(ViewGroup.LayoutParams.MATCH\_PARENT, ViewGroup.LayoutParams.WRAP\_CONTENT)  
 params.setMargins(0, 0, 0, Settings.margin)  
 **for** (i **in** 1..Settings.coursesOfDay)  
 {  
 **val** cell = TextView(context)  
 cell.text = i.toString()  
 cell.gravity = Gravity.CENTER\_HORIZONTAL  
 cell.textSize = 14.0f  
 cell.layoutParams = params  
 *//注意，单元格的高度已被createTopTitle修改* params.height = Settings.cellHeight  
 params.width = Settings.cellWidth  
 cell.setBackgroundColor(Settings.WhiteSnow)  
 leftBar.addView(cell)  
 }  
  
 *//此处重新定义了每个格子的宽度：剩余空白部分/7* Settings.cellWidth = (Settings.screenWidth - Settings.cellWidth - Settings.margin) / 7  
 }  
  
 **private fun** fillTable()  
 {  
 **val** layoutManager = LinearLayoutManager(context) *//RecyclerView布局管理* **val** helper = PagerSnapHelper() *//分页助手，每次划动只翻一页，且将该页居中* **val** listener = **object** : RecyclerView.OnScrollListener() *//RecyclerView划动事件监听，负责更新showWeek* {  
 **var** move = 0  
 **override fun** onScrollStateChanged(recyclerView: RecyclerView, newState: Int)  
 {  
 **super**.onScrollStateChanged(recyclerView, newState)  
 **if** (newState == RecyclerView.SCROLL\_STATE\_IDLE)  
 {  
 **val** child = recyclerView.getChildAt(0) *//获取RecyclerView当前显示的item* Settings.showWeek = recyclerView.getChildLayoutPosition(child) + 1  
  
 **val** tmp = **"第${**Settings.showWeek**}周"** showWeek.text = tmp  
 }  
 }  
  
 **override fun** onScrolled(recyclerView: RecyclerView, dx: Int, dy: Int)  
 {  
 **super**.onScrolled(recyclerView, dx, dy)  
 move = dx *//从右往左划 dx>0 反之dx<0* }  
 }  
  
 *// 课程测试文件载入* **var** courses: ArrayList<Map<String, ArrayList<Course>>>  
 **try** {  
 **val** input = activity?.openFileInput(**"学生课表查询.html"**)  
 **val** reader = BufferedReader(InputStreamReader(input))  
 courses = Spider().fromSCNU(reader.readText())  
 reader.close()  
 } **catch** (error: FileNotFoundException)  
 {  
 Log.e(**"fillTable()"**, **"找不到课程表文件"**)  
 courses = ArrayList(0)  
 }  
  
 layoutManager.orientation = LinearLayoutManager.HORIZONTAL  
  
 recyclerView.addOnScrollListener(listener)  
 recyclerView.layoutManager = layoutManager  
  
 helper.attachToRecyclerView(recyclerView)  
 adapter = TableAdapter(courses)  
 recyclerView.adapter = adapter  
 Settings.adapter = adapter  
  
 *//启动时默认显示当前周* layoutManager.scrollToPosition(Settings.curWeek - 1)  
 }  
}

**package** team.android.schedule.ui.course  
  
**import** android.view.Gravity  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** android.widget.LinearLayout  
**import** android.widget.TextView  
**import** androidx.recyclerview.widget.RecyclerView  
**import** team.android.schedule.R  
**import** team.android.schedule.ui.settings.Settings  
  
  
**class** TableAdapter(**private var weekList**: ArrayList<Map<String, ArrayList<Course>>>) :  
 RecyclerView.Adapter<TableAdapter.ViewHolder>()  
*/\*\*  
 \* RecyclerView 适配器，加载的item为src\main\res\layout\table\_layout.xml  
 \** ***@author*** *Yehoar  
 \** ***@param weekList*** *来源可以是Spride.fromSCNU()，也可以从文件读取，JSON格式（待开发)  
 \*/*{  
 **private val keys** =  
 *listOf*(**"Monday"**, **"Tuesday"**, **"Wednesday"**, **"Thursday"**, **"Friday"**, **"Saturday"**, **"Sunday"**)  
 **private val values** = *listOf*(  
 R.id.*Monday*,  
 R.id.*Tuesday*,  
 R.id.*Wednesday*,  
 R.id.*Thursday*,  
 R.id.*Friday*,  
 R.id.*Saturday*,  
 R.id.*Sunday* )  
  
 *//private val weekList = ArrayList<Map<String, ArrayList<Course>>>()* **inner class** ViewHolder(view: View) : RecyclerView.ViewHolder(view)  
 {  
 **val layouts** = HashMap<String, LinearLayout>()  
  
 **init** {  
 **for** (i **in** 0..6)  
 {  
 **layouts**[**keys**[i]] = view.findViewById(**values**[i])  
 }  
 }  
 }  
  
 **override fun** onCreateViewHolder(parent: ViewGroup, viewType: Int): ViewHolder  
 {  
 *//默认情况下只有四个ViewHolder* **val** view = LayoutInflater.from(parent.*context*).inflate(R.layout.*fragment\_course\_item*, parent, **false**)  
 **return** ViewHolder(view)  
 }  
  
 **override fun** onBindViewHolder(holder: ViewHolder, position: Int)  
 {  
 **for** ((key, value) **in** holder.**layouts**)  
 {  
 value.removeAllViewsInLayout()  
 **if** (**weekList**.**size** == 0)  
 {  
 **for** (i **in** 1..Settings.**coursesOfDay**)  
 {  
 value.addView(createCell(value))  
 }  
 **continue** }  
 **val** day = **weekList**[position][key]  
 **if** (day != **null**)  
 {  
 **var** counter = 1  
 **var** cur = 0  
 **while** (counter <= Settings.**coursesOfDay**)  
 {  
 *//默认无课的格子为白色单元格* **var** cell: TextView  
  
 **if** (day.isEmpty() || cur >= day.**size**)  
 { *//填充空白单元格* cell = createCell(value)  
 value.addView(cell)  
 counter++  
 **continue** }  
  
 **val** course = day[cur]  
 **if** (counter == course.**dayTime**[0])  
 {  
 **val** tmp = course.**dayTime**[1] - course.**dayTime**[0] + 1  
 **val** height = tmp \* Settings.**cellHeight** + (tmp - 1) \* Settings.**margin** cell = createCell(value, course.toString(), height, course.**color**)  
 counter += tmp  
 cur++  
 } **else** {  
 counter++  
 cell = createCell(value)  
 }  
 value.addView(cell)  
 }  
 } **else** {  
 **for** (i **in** 1..Settings.**coursesOfDay**)  
 {  
 value.addView(createCell(value))  
 }  
 }  
 }  
 }  
  
 **override fun** getItemCount(): Int  
 {  
 **return if**(**weekList**.**size**>0)  
 **weekList**.**size  
 else** 1  
 }  
  
 **private fun** createCell(  
 view: View,  
 text: String = **""**,  
 height: Int = Settings.**cellHeight**,  
 color: Int = Settings.**White** ): TextView  
 {  
 **val** params = LinearLayout.LayoutParams(  
 ViewGroup.LayoutParams.*WRAP\_CONTENT*,  
 ViewGroup.LayoutParams.*WRAP\_CONTENT* )  
 params.setMargins(0, 0, Settings.**margin**, Settings.**margin**)  
 **val** cell = TextView(view.*context*)  
 cell.*layoutParams* = params  
 cell.*text* = text  
 cell.*gravity* = Gravity.*CENTER\_HORIZONTAL* cell.*textSize* = 12.0f  
 cell.setBackgroundColor(color)  
 cell.*height* = height  
 cell.*width* = Settings.**cellWidth** cell.setPadding(5, 5, 5, 5) *//文字距离四周有5px距离* **return** cell  
 }  
  
 **fun** replaceData(courses: ArrayList<Map<String, ArrayList<Course>>>)  
 {  
 **weekList** = courses  
 notifyDataSetChanged()  
 }  
  
}

Notes相关类

**package** team.android.schedule.ui.notes  
  
**import** androidx.recyclerview.widget.RecyclerView  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** android.widget.TextView  
**import** team.android.schedule.R  
  
**import** team.android.schedule.dummy.DummyContent.DummyItem  
  
*/\*\*  
 \** ***[RecyclerView.Adapter]*** *that can display a* ***[DummyItem]****.  
 \** ***TODO: Replace the implementation with code for your data type.*** *\*/***class** NotesAdapter(  
 **private val values**: List<DummyItem>  
) : RecyclerView.Adapter<NotesAdapter.ViewHolder>() {  
  
 **override fun** onCreateViewHolder(parent: ViewGroup, viewType: Int): ViewHolder {  
 **val** view = LayoutInflater.from(parent.*context*)  
 .inflate(R.layout.*fragment\_notes\_item*, parent, **false**)  
 **return** ViewHolder(view)  
 }  
  
 **override fun** onBindViewHolder(holder: ViewHolder, position: Int) {  
 **val** item = **values**[position]  
 holder.**idView**.*text* = item.**id** holder.**contentView**.*text* = item.**content** }  
  
 **override fun** getItemCount(): Int = **values**.**size  
  
 inner class** ViewHolder(view: View) : RecyclerView.ViewHolder(view) {  
 **val idView**: TextView = view.findViewById(R.id.*item\_number*)  
 **val contentView**: TextView = view.findViewById(R.id.*content*)  
  
 **override fun** toString(): String {  
 **return super**.toString() + **" '"** + **contentView**.*text* + **"'"** }  
 }  
}

**package** team.android.schedule.ui.notes  
  
**import** android.os.Bundle  
**import** androidx.fragment.app.Fragment  
**import** androidx.recyclerview.widget.GridLayoutManager  
**import** androidx.recyclerview.widget.LinearLayoutManager  
**import** androidx.recyclerview.widget.RecyclerView  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** team.android.schedule.R  
**import** team.android.schedule.dummy.DummyContent  
  
*/\*\*  
 \* A fragment representing a list of Items.  
 \*/***class** NotesFragment : Fragment() {  
  
 **private var columnCount** = 1  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
  
 *arguments*?.*let* **{  
 columnCount** = **it**.getInt(**ARG\_COLUMN\_COUNT**)  
 **}** }  
  
 **override fun** onCreateView(  
 inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?  
 ): View? {  
 **val** view = inflater.inflate(R.layout.*fragment\_notes*, container, **false**)  
  
 *// Set the adapter* **if** (view **is** RecyclerView) {  
 *with*(view) **{** *layoutManager* = **when** {  
 **columnCount** <= 1 -> LinearLayoutManager(*context*)  
 **else** -> GridLayoutManager(*context*, **columnCount**)  
 }  
 *adapter* = NotesAdapter(DummyContent.**ITEMS**)  
 **}** }  
 **return** view  
 }  
  
 **companion object** {  
  
 *//* ***TODO: Customize parameter argument names* const val ARG\_COLUMN\_COUNT** = **"column-count"** *//* ***TODO: Customize parameter initialization*** @JvmStatic  
 **fun** newInstance(columnCount: Int) =  
 NotesFragment().*apply* **{** *arguments* = Bundle().*apply* **{** putInt(**ARG\_COLUMN\_COUNT**, columnCount)  
 **}  
 }** }  
}

Setting相关类

**package** team.android.schedule.ui.settings  
  
**import** android.graphics.Color  
**import** team.android.schedule.ui.course.TableAdapter  
  
  
**object** Settings  
*/\*\*  
 \** ***@author*** *Yehoar  
 \* 保存设置的单例类，全局共享  
 \*/*{  
 *//课程相关* **var curWeek** = 12  
 **var maxWeek** = 18  
 **var coursesOfDay** = 11  
  
 *//显示相关的参数* **var screenWidth** = 0  
 **var screenHeight** = 0  
 **var cellHeight** = 0  
 **var cellWidth** = 0  
 **var showWeek** = **curWeek** - 1  
 **const val margin** = 1  
  
 *//暂时使用该adapter做中间变量* **var adapter**: TableAdapter? = **null** *//表头颜色* **val WhiteSnow** = Color.parseColor(**"#F5F5F5"**)  
 **val White** = Color.parseColor(**"#FFFFFFFF"**)  
 **val DeepSkyBlue** = Color.parseColor(**"#00BFFF"**)  
  
 *//课程颜色* **val PaleTurquoise1** = Color.parseColor(**"#BBFFFF"**)  
 **val LemonChiffon** = Color.parseColor(**"#FFFACD"**)  
 **val Honeydew** = Color.parseColor(**"#F0FFF0"**)  
 **val MistyRose** = Color.parseColor(**"#FFE4E1"**)  
 **val LightSkyBlue** = Color.parseColor(**"#87CEFA"**)  
 **val Wheat** = Color.parseColor(**"#FFE7BA"**)  
  
 **val colors** = *listOf*(**PaleTurquoise1**, **LemonChiffon**, **Honeydew**, **MistyRose**, **LightSkyBlue**, **Wheat**)  
  
 **fun** setScreenParameter(w: Int, h: Int)  
 {  
 **screenWidth** = w  
 **screenHeight** = h  
  
 **cellWidth** = w / 16  
 **cellHeight** = h / 40  
 }  
}

**package** team.android.schedule.ui.settings  
  
**import** androidx.recyclerview.widget.RecyclerView  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** android.widget.TextView  
**import** team.android.schedule.R  
  
**import** team.android.schedule.dummy.DummyContent.DummyItem  
  
*/\*\*  
 \** ***[RecyclerView.Adapter]*** *that can display a* ***[DummyItem]****.  
 \** ***TODO: Replace the implementation with code for your data type.*** *\*/***class** SettingsAdapter(  
 **private val values**: List<DummyItem>  
) : RecyclerView.Adapter<SettingsAdapter.ViewHolder>() {  
  
 **override fun** onCreateViewHolder(parent: ViewGroup, viewType: Int): ViewHolder {  
 **val** view = LayoutInflater.from(parent.*context*)  
 .inflate(R.layout.*fragment\_settings\_item*, parent, **false**)  
 **return** ViewHolder(view)  
 }  
  
 **override fun** onBindViewHolder(holder: ViewHolder, position: Int) {  
 **val** item = **values**[position]  
 holder.**idView**.*text* = item.**id** holder.**contentView**.*text* = item.**content** }  
  
 **override fun** getItemCount(): Int = **values**.**size  
  
 inner class** ViewHolder(view: View) : RecyclerView.ViewHolder(view) {  
 **val idView**: TextView = view.findViewById(R.id.*item\_number*)  
 **val contentView**: TextView = view.findViewById(R.id.*content*)  
  
 **override fun** toString(): String {  
 **return super**.toString() + **" '"** + **contentView**.*text* + **"'"** }  
 }  
}

**package** team.android.schedule.ui.settings  
  
**import** android.content.Intent  
**import** android.os.Bundle  
**import** android.util.Log  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** android.widget.Toast  
**import** androidx.appcompat.app.AppCompatActivity  
**import** androidx.fragment.app.Fragment  
**import** kotlinx.android.synthetic.main.fragment\_settings.\*  
**import** team.android.schedule.R  
**import** team.android.schedule.ui.login.LoginActivity  
**import** team.android.schedule.ui.webview.Spider  
**import** team.android.schedule.ui.webview.WebActivity  
  
*/\*\*  
 \* A fragment representing a list of Items.  
 \*/***class** SettingsFragment : Fragment()  
{  
  
 **private var columnCount** = 1  
  
 **override fun** onCreate(savedInstanceState: Bundle?)  
 {  
 **super**.onCreate(savedInstanceState)  
  
 *arguments*?.*let* **{  
 columnCount** = **it**.getInt(**ARG\_COLUMN\_COUNT**)  
 **}** }  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?, savedInstanceState: Bundle?): View?  
 {  
 **val** view = inflater.inflate(R.layout.*fragment\_settings*, container, **false**)  
**return** view  
 }  
  
 **override fun** onActivityCreated(savedInstanceState: Bundle?)  
 {  
 **super**.onActivityCreated(savedInstanceState)  
 btn\_login.setOnClickListener() **{  
 val** intent = Intent(*context*, LoginActivity::**class**.*java*)  
 startActivity(intent)  
  
 **}** btn\_openWebView.setOnClickListener() **{  
 val** intent = Intent(*context*, WebActivity::**class**.*java*)  
 startActivityForResult(intent, 1)  
 **}** }  
  
 **override fun** onActivityResult(requestCode: Int, resultCode: Int, data: Intent?)  
 {  
 **super**.onActivityResult(requestCode, resultCode, data)  
 **when** (requestCode)  
 {  
 1 -> **if** (resultCode == AppCompatActivity.*RESULT\_OK*)  
 {  
 **val** html = data?.getStringExtra(**"html"**) ?: **""  
 val** courses = Spider().fromSCNU(html)  
 Settings.**adapter**?.replaceData(courses) ?: Log.e(**"Setting.adapter:"**, **"未被初始化"**)  
 **if** (html.*isNotEmpty*()) Toast.makeText(*context*, **"导入课表成功！"**, Toast.*LENGTH\_SHORT*).show()  
 }  
 }  
 }  
  
 **companion object** {  
  
 *//* ***TODO: Customize parameter argument names* const val ARG\_COLUMN\_COUNT** = **"column-count"** *//* ***TODO: Customize parameter initialization*** @JvmStatic  
 **fun** newInstance(columnCount: Int) = SettingsFragment().*apply* **{** *arguments* = Bundle().*apply* **{** putInt(**ARG\_COLUMN\_COUNT**, columnCount)  
 **}  
 }** }  
  
  
}

Webview相关类

**package** team.android.schedule.ui.webview  
  
**import** org.jsoup.Jsoup  
**import** team.android.schedule.ui.course.Course  
**import** team.android.schedule.ui.settings.Settings  
  
**class** Spider  
*/\*\*  
 \** ***@author*** *Yehoar  
 \* 从HTML解析课程表，目前测试仅支持华师教务网，需要Jsoup  
 \* 在build.gradle的dependencies内加入  
 \* implementation group: 'org.jsoup', name: 'jsoup', version: '1.13.1'  
 \* 目前读取的是本地HTML文件，tmp\学生课表查询.html，首次使用需要将文件放到虚拟机的  
 \* /data/data/<team.android.schedule><记得替换包名>/files  
 \*/*{  
  
 **private val keys** = *listOf*(  
 **" "**,  
 **"Monday"**,  
 **"Tuesday"**,  
 **"Wednesday"**,  
 **"Thursday"**,  
 **"Friday"**,  
 **"Saturday"**,  
 **"Sunday"** )  
  
 **fun** fromSCNU(html: String): ArrayList<Map<String, ArrayList<Course>>>  
 {  
 **val** courses = HashMap<String, List<Course>>()  
 **val** document = Jsoup.parse(html)  
 **for** (i **in** 1..7)  
 {  
 **val** day = document.getElementById(**"xq\_$**i**"**) *//星期i的课* **val** dayTime = day.getElementsByClass(**"festival"**) *//上课节次* **val** detail = day.getElementsByClass(**"timetable\_con text-left"**) *//课程信息* **val** dayList = ArrayList<Course>()  
 **for** ((index, item) **in** dayTime.*withIndex*())  
 {  
 **val** tmp = detail[index].getElementsByTag(**"font"**)  
 **val** course = handleSCNU(  
 tmp[0].text(), *//name* tmp[2].text(), *//classroom* tmp[3].text(), *//teacher* item.text(), *//dayTime* tmp[1].text() *//weekTime* )  
 dayList.add(course)  
 }  
 courses[**keys**[i]] = dayList  
  
 }  
 **return** map2List(courses)  
 }  
  
 **private fun** handleSCNU(  
 name: String,  
 classroom: String,  
 teacher: String,  
 dayTime: String,  
 weekTime: String  
 ): Course  
 {  
 **val** course = Course(name)  
 course.**classroom** = classroom.*substring*(classroom.*lastIndexOf*(**'：'**) + 1)  
 course.**teacher** = teacher.*substring*(teacher.*lastIndexOf*(**"："**) + 1)  
 **val** re = Regex(**"[0-9]+"**)  
 **for** (str **in** re.findAll(dayTime))  
 {  
 course.**dayTime**.add(str.**value**.*toInt*())  
 }  
 **for** (str **in** re.findAll(weekTime))  
 {  
 course.**weekTime**.add(str.**value**.*toInt*())  
 }  
  
 **return** course  
 }  
  
 **private fun** map2List(courses: Map<String, List<Course>>): ArrayList<Map<String, ArrayList<Course>>>  
 {  
 **val** weekList = ArrayList<Map<String, ArrayList<Course>>>()  
 **for** (i **in** 0 *until* Settings.**maxWeek**)  
 {  
 **val** map = HashMap<String, ArrayList<Course>>()  
 **for** (key **in keys**)  
 {  
 map[key] = ArrayList()  
 }  
 weekList.add(map)  
 }  
  
 **for** ((key, value) **in** courses)  
 {  
 **for** (course **in** value)  
 {  
 **for** (week **in** 1..Settings.**maxWeek**)  
 {  
 **var** t = 0  
 **while** (t < course.**weekTime**.*lastIndex*)  
 {  
 **if** (week >= course.**weekTime**[t] && week <= course.**weekTime**[t + 1])  
 {  
 weekList[week - 1][key]?.add(course)  
 **break** }  
 t += 2  
 }  
 }  
 }  
 }  
 **return** weekList  
 }  
}

**package** team.android.schedule.ui.webview  
  
**import** android.annotation.SuppressLint  
**import** android.content.Intent  
**import** android.os.Build  
**import** android.os.Bundle  
**import** android.util.Log  
**import** android.view.KeyEvent  
**import** android.webkit.JavascriptInterface  
**import** android.webkit.WebViewClient  
**import** android.widget.Toast  
**import** androidx.annotation.RequiresApi  
**import** androidx.appcompat.app.AppCompatActivity  
**import** kotlinx.android.synthetic.main.activity\_webview.\*  
**import** team.android.schedule.R  
**import** team.android.schedule.ui.settings.Settings  
**import** java.io.BufferedWriter  
**import** java.io.OutputStreamWriter  
  
**class** WebActivity : AppCompatActivity()  
{  
 */\*\*  
 \** ***@author*** *Yehoar  
 \** ***@property Handler*** *js对象  
 \* 打开一个内嵌的网页，注入js对象，获取课程表的HTML(部分)到本地  
 \*/* **var htmlHolder** = **""  
  
 inner class** Handler  
 {  
 @SuppressLint(**"JavascriptInterface"**)  
 @JavascriptInterface  
 **fun** load(html: String)  
 {  
 **if** (html.*isNotEmpty*())  
 {  
 **val** output = openFileOutput(**"学生课表查询.html"**, *MODE\_PRIVATE*)  
 **val** writer = BufferedWriter(OutputStreamWriter(output))  
 **htmlHolder** = html  
 writer.write(html)  
 writer.close()  
 **val** intent = Intent()  
 intent.putExtra(**"html"**, **htmlHolder**)  
 setResult(*RESULT\_OK*, intent)  
 finish()  
 } **else** {  
 Toast.makeText(*baseContext*, **"错误：未抓取到数据！"**, Toast.*LENGTH\_SHORT*).show()  
 }  
 }  
 }  
  
 @RequiresApi(Build.VERSION\_CODES.*KITKAT*)  
 @SuppressLint(**"SetJavaScriptEnabled"**, **"JavascriptInterface"**, **"AddJavascriptInterface"**)  
 **override fun** onCreate(savedInstanceState: Bundle?)  
 {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_webview*)  
 webView.*settings*.*javaScriptEnabled* = **true** webView.*webViewClient* = WebViewClient()  
 webView.clearCache(**true**) *//尝试清理缓存，但似乎未生效* webView.loadUrl(**"https://jwxt.scnu.edu.cn/xtgl/login\_slogin.html"**) *//打开初始页面* webView.addJavascriptInterface(Handler(), **"handler"**) *// 注入js对象* btn\_load.*height* = Settings.**screenHeight** / 20 *//初始化按钮* btn\_quit.*height* = Settings.**screenHeight** / 20  
  
 btn\_quit.setOnClickListener() *//用户取消导入* **{  
 val** intent = Intent()  
 intent.putExtra(**""**, **"html"**)  
 setResult(*RESULT\_CANCELED*, intent)  
 finish()  
 **}** btn\_load.setOnClickListener() *// 开始导入* **{  
 val** curUrl = webView.*url* ?: **""  
 if** (curUrl.*startsWith*(**"https://jwxt.scnu.edu.cn/kbcx/xskbcx\_cxXskbcxIndex.html"**))  
 {  
 **val** js =  
 **"javascript:window.handler.load(document.getElementById(\"table2\").innerHTML);"** webView.evaluateJavascript(js) **{** Log.v(**"webView"**, **"js run"**) **}** } **else** {  
 Toast.makeText(**this**, **"请到学生课表查询页面后再导入"**, Toast.*LENGTH\_SHORT*).show()  
 }  
 **}** }  
  
 **override fun** onKeyDown(keyCode: Int, event: KeyEvent?): Boolean  
 {  
 **if** ((keyCode == KeyEvent.*KEYCODE\_BACK*) && webView.canGoBack())  
 {  
 webView.goBack()  
 **return true** }  
 **return super**.onKeyDown(keyCode, event)  
 }  
}

MianLayoutActivity

**package** team.android.schedule  
  
**import** android.os.Bundle  
**import** androidx.appcompat.app.AppCompatActivity  
**import** androidx.navigation.findNavController  
**import** androidx.navigation.ui.AppBarConfiguration  
**import** androidx.navigation.ui.setupActionBarWithNavController  
**import** androidx.navigation.ui.setupWithNavController  
**import** com.google.android.material.bottomnavigation.BottomNavigationView  
  
**class** MainLayoutActivity : AppCompatActivity() {  
 */\*\*  
 \* 主界面  
 \*/* **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*main\_layout*)  
 **val** navView: BottomNavigationView = findViewById(R.id.*nav\_view*)  
  
 **val** navController = *findNavController*(R.id.*nav\_host\_fragment*)  
 *// Passing each menu ID as a set of Ids because each  
 // menu should be considered as top level destinations.* **val** appBarConfiguration = *AppBarConfiguration*(  
 *setOf*(  
 R.id.*navigation\_course*, R.id.*navigation\_notes*, R.id.*navigation\_settings* )  
 )  
 *setupActionBarWithNavController*(navController, appBarConfiguration)  
 navView.*setupWithNavController*(navController)  
  
 }  
}

Layout

Main\_layout.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:id="@+id/container"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**com.google.android.material.bottomnavigation.BottomNavigationView  
 android:id="@+id/nav\_view"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="0dp"  
 android:layout\_marginEnd="0dp"  
 android:background="?android:attr/windowBackground"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:menu="@menu/bottom\_nav\_menu"** />  
  
 <**fragment  
 android:id="@+id/nav\_host\_fragment"  
 android:name="androidx.navigation.fragment.NavHostFragment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:defaultNavHost="true"  
 app:layout\_constraintBottom\_toTopOf="@id/nav\_view"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.0"  
 app:navGraph="@navigation/mobile\_navigation"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Activity\_login.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".ui.login.LoginActivity"**>  
 <**EditText  
 android:id="@+id/username"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="24dp"  
 android:layout\_marginTop="96dp"  
 android:layout\_marginEnd="24dp"  
 android:hint="@string/prompt\_email"  
 android:inputType="textEmailAddress"  
 android:selectAllOnFocus="true"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**EditText  
 android:id="@+id/password"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="24dp"  
 android:layout\_marginTop="8dp"  
 android:layout\_marginEnd="24dp"  
 android:hint="@string/prompt\_password"  
 android:imeActionLabel="@string/action\_sign\_in\_short"  
 android:imeOptions="actionDone"  
 android:inputType="textPassword"  
 android:selectAllOnFocus="true"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/username"** />  
  
 <**Button  
 android:id="@+id/login"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="start"  
 android:layout\_marginStart="48dp"  
 android:layout\_marginTop="16dp"  
 android:layout\_marginEnd="48dp"  
 android:layout\_marginBottom="64dp"  
 android:enabled="false"  
 android:text="@string/action\_sign\_in"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/password"  
 app:layout\_constraintVertical\_bias="0.2"** />  
  
 <**ProgressBar  
 android:id="@+id/loading"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:layout\_marginStart="32dp"  
 android:layout\_marginTop="64dp"  
 android:layout\_marginEnd="32dp"  
 android:layout\_marginBottom="64dp"  
 android:visibility="gone"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="@+id/password"  
 app:layout\_constraintStart\_toStartOf="@+id/password"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.3"** />  
</**androidx.constraintlayout.widget.ConstraintLayout**>

Activity\_webview.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"**>  
  
 <**Button  
 android:id="@+id/btn\_quit"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentLeft="true"  
 android:text="@string/btn\_quit"  
 tools:ignore="ButtonStyle"** />  
  
 <**Button  
 android:id="@+id/btn\_load"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentRight="true"  
 android:text="@string/btn\_load"  
 tools:ignore="ButtonStyle"** />  
 </**RelativeLayout**>  
  
 <**WebView  
 android:id="@+id/webView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"** />  
</**LinearLayout**>

Fragment\_course\_item.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/black"  
 android:orientation="horizontal"**>  
  
 <**LinearLayout  
 android:id="@+id/Monday"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** />  
  
 <**LinearLayout  
 android:id="@+id/Tuesday"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** />  
  
 <**LinearLayout  
 android:id="@+id/Wednesday"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** />  
  
 <**LinearLayout  
 android:id="@+id/Thursday"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** />  
  
 <**LinearLayout  
 android:id="@+id/Friday"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** />  
  
 <**LinearLayout  
 android:id="@+id/Saturday"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** />  
  
 <**LinearLayout  
 android:id="@+id/Sunday"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"** />  
  
</**LinearLayout**>

Fragment\_course\_table.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/root"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".ui.course.CourseTableFragment"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="1px"  
 android:background="#2196F3"**>  
  
 <**TextView  
 android:id="@+id/showWeek"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:gravity="center\_horizontal"  
 android:textAlignment="center"  
 android:textSize="16sp"** />  
 </**RelativeLayout**>  
  
 <**LinearLayout  
 android:id="@+id/weekTitle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="1px"  
 android:orientation="horizontal"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"**>  
  
 <**LinearLayout  
 android:id="@+id/leftBar"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
  
 </**LinearLayout**>  
  
 <**androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/recyclerView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="horizontal"** />  
 </**LinearLayout**>  
</**LinearLayout**>

Fragment\_notes.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.recyclerview.widget.RecyclerView xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/list"  
 android:name="team.android.schedule.NotesFragment"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginLeft="16dp"  
 android:layout\_marginRight="16dp"  
 app:layoutManager="LinearLayoutManager"  
 tools:context=".ui.notes.NotesFragment"  
 tools:listitem="@layout/fragment\_notes\_item"** />

Fragment\_notes\_item.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"**>  
  
 <**TextView  
 android:id="@+id/item\_number"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/text\_margin"  
 android:textAppearance="?attr/textAppearanceListItem"** />  
  
 <**TextView  
 android:id="@+id/content"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/text\_margin"  
 android:textAppearance="?attr/textAppearanceListItem"** />  
</**LinearLayout**>

Fragment\_settings.xml

*<?***xml version="1.0" encoding="utf-8"***?><!--<androidx.recyclerview.widget.RecyclerView xmlns:android="http://schemas.android.com/apk/res/android"-->  
<!-- xmlns:app="http://schemas.android.com/apk/res-auto"-->  
<!-- xmlns:tools="http://schemas.android.com/tools"-->  
<!-- android:id="@+id/list"-->  
<!-- android:name="team.android.schedule.SettingsFragment"-->  
<!-- android:layout\_width="match\_parent"-->  
<!-- android:layout\_height="match\_parent"-->  
<!-- android:layout\_marginLeft="16dp"-->  
<!-- android:layout\_marginRight="16dp"-->  
<!-- app:layoutManager="LinearLayoutManager"-->  
<!-- tools:context=".ui.settings.SettingsFragment"-->  
<!-- tools:listitem="@layout/fragment\_settings\_item" />-->*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:gravity="center"**>  
 <**Button  
 android:id="@+id/btn\_login"  
 android:layout\_width="150dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:background="@drawable/btn\_bg\_red"  
 android:padding="5dp"  
 android:text="用户登录"  
 android:textSize="16sp"  
 android:textStyle="bold"** />  
  
 <**Button  
 android:id="@+id/btn\_openWebView"  
 android:layout\_marginTop="50dp"  
 android:layout\_width="150dp"  
 android:layout\_height="wrap\_content"  
 android:background="@drawable/btn\_bg\_red"  
 android:padding="5dp"  
 android:text="教务网站导入"  
 android:textSize="16sp"  
 android:textStyle="bold"** />  
</**LinearLayout**>

Fragment\_setting\_item.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"**>  
  
 <**TextView  
 android:id="@+id/item\_number"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/text\_margin"  
 android:textAppearance="?attr/textAppearanceListItem"** />  
  
 <**TextView  
 android:id="@+id/content"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="@dimen/text\_margin"  
 android:textAppearance="?attr/textAppearanceListItem"** />  
</**LinearLayout**>