GROUP 16

Teammates: 黄鑫彬,区逊雄,李健楷

- 01 Difficulty and effort of app development
- 02 The completeness of the app testing
- 03 User experience and improvement effects

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## Difficulty and effort of app development

(应用程序开发的难度和努力)

### Difficulty

Different from the normal recyclerview jump. How is the jump implemented in fragment recyclerview?

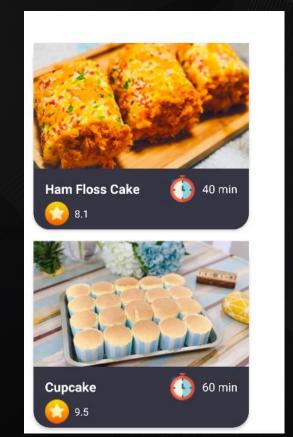
#### effort

```
val search: Button = view.findViewById(R.id.button3)
val searchEditText: EditText = view.findViewById(R.id.editTextTextPersonName2)
search.setOnClickListener { it View!
    val searchtext = searchEditText.text.toString()
    if (searchtext.equals( other "Bread", ignoreCase = true) | | searchtext.equals( other "bread", ignoreCase = true) | {
        editor.putInt("bread", bread+1)
        editor.apply()
        val breadFragment = BreadFragment()
            .addToBackStack( name: null)
```

When searching for food that has been included in the app, you can jump to the specified page. For example, if I want to search for cake, I will jump to the category that is all cake

cake Q

Just like the above two images, I can search directly for the food I need and sift out the ones I don't need.



```
//比较大小
//第一个List用以储存每个类别被反复问的次数
val list = mutableListOf(bread, cookie,cake,donut,pudding)
//第二个List用以纯村每个类别的名称
val list2= listOf("Bread","Cookie","Cake","Donut","Pudding")
var k=0
var flag=-1
//遍历List. 用打擂台的方法找出最大值。同时用flag记住最大值的下标
for (i in 0 ≤ until < list.size){
    if(list[i]>k){
        k=list[i]
        flag=i
    }
```

The main use is shared preferences

```
//创建各类食物被搜索次数的储存位置

val prefs = requireActivity().getPreferences(Context.MODE_PRIVATE)

val bread=prefs.getInt(
    "bread",
    0
)
```

```
if(k>0){

val editText = view.findViewById<EditText>(R.id.editTextTextPersonName2)

val text = list2[flag]

val italicTypeface = Typeface.create(Typeface.DEFAULT, Typeface.ITALIC)

//控制字体

editText.text.clear()

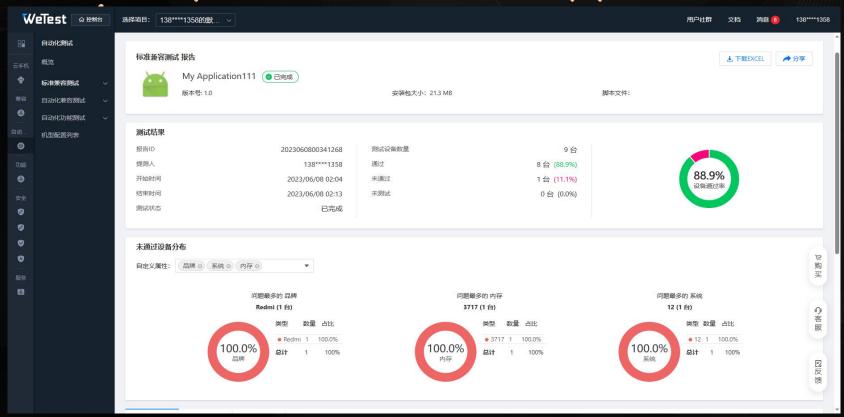
editText.text.append(text)

editText.setTypeface(italicTypeface)

}
```

In order to automatically recommend the food that users like, we are committed to keeping a record of customer searches. Whenever a customer logs in to the app, the home page will recommend the same type of food that they search most often.

#### The completeness of the app



4	A	В	С	D	E	F	G	Н	T	J	K	L	M	N	0	P
1		My Application 111(1.0) 标准标准兼容测试(Android)报告														
2		App名称:	My Application111	测试类型:	标准兼容测试(Android)	测试设备数量:	9	开始时间:	2023-06-08 02:04:09							
3		版本号:	1.0	脚本名称:	/	设备通过率:	88.89%	结束时间:	2023-06-08 02:13:54							
4			×	*	测试结果	70	**	**	*							
4 5 6 7 8	设备通过率	i i		本轮测试, 摄	副设备共计9部,完成9部	(未测试 0 部) ,	问题机型共计1部,	通过率 88.89%								
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9	适配分布	测试设备数量	测试结果百分比		发现问题类型	问题数量	测试结果百分比									
10	通过	8	88.89%		Crash	1	100.00%									
11	未通过	1	11.11%													
12	未测试	0	0.00%													
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15	Crash	java.la	ang.IllegalStateExcep	tion(AppCompatDe	elegateImpl.java:581)	1台	M2010J19SC/Redmi	Note 9 4G	60800341268/problem/113?errorid=251							
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1	兼容失败设备分布												
	Crash												
3	设备ID	设备品牌	设备型号	设备别名	结果	问题类别	问题描述	系统版本	内存(MB)	分辨率	CPU核数	CPU名称	
4	8808	Redmi	M2010J19SC	Redmi Note 9 4G		Crash	g.IllegalStateException(AppCompatDelegateImpl.ja	12	6144	2340x1080	8	高通 骁龙662	
5	8808	Redmi	M2010J19SC	Redmi Note 9 4G	未通过	Crash	g.IllegalStateException(AppCompatDelegateImpl.ja	12	6144	2340x1080	8	高通 骁龙662	
6	8808	Redmi	M2010J19SC	Redmi Note 9 4G		Crash	g.IllegalStateException(AppCompatDelegateImpl.ja	12	6144	2340x1080	8	高通 骁龙662	
7	8808	Redmi	M2010J19SC	Redmi Note 9 4G		Crash	g.IllegalStateException(AppCompatDelegateImpl.ja	12	6144	2340x1080	8	高通 骁龙662	
8	8808	Redmi	M2010J19SC	Redmi Note 9 4G	未通过	Crash	g.IllegalStateException(AppCompatDelegateImpl.ja	12	6144	2340x1080	8	高通 骁龙662	
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3	8447	HUAWEI	ELE-AL00	华为 P30	10	7680	1080x2340	8	海思 麒麟980	1.9	4 Processor rev 0 (a	通过	341268/device/8447			
4	8620	Xiaomi	MI 9	小米 9	10	7680	1080x2340	8	高通 骁龙855	1.8	4 Processor rev 14 (a		341268/device/8620			
5	8373	HUAWEI	JSN-AL00a	荣耀8X	10	6144	1080x2340	8	海思 麒麟710	1.8	4 Processor rev 2 (a		341268/device/8373			
6	8530	HUAWEI	EML-AL00	华为 P20	10	6144	1080x2244	8	海思 麒麟970	1.9	4 Processor rev 2 (a		341268/device/8530			
7	8554	OnePlus	GM1910	—为07 Pro	11	5632	1440x3120	8	高通 骁龙855	1.8	1 Processor rev 14 (a		341268/device/8554	-		
8	8857	ONEPLUS	GM1900	Oneplus 7	11	7680	1080x2340	8	高通 骁龙855	2.8416	arm64-v8a	通过	341268/device/8857			
9	8744	blackshark	SKW-A0	黑鲨游戏手机2	11	7680	1080x2340	8	高通 骁龙855	1.8	4 Processor rev 14 (a		341268/device/8744			
10	8404	ONEPLUS	HD1910	OnePlus 7T	11	7680	1440x3120	8	高通 骁龙855PLUS		4 Processor rev 14 (a		341268/device/8404			
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2	设备ID	设备品牌	设备别名	设备型号	安装耗时(秒)	启动耗时(秒)	CPU占用(%)	cpuTemp2	内存占用(MB)	流量消耗(KB)	FPS(帧/秒)	设备详情					
3	8373	HUAWEI	荣耀8X	JSN-AL00a	0.88	1.12	2.16	44.92	223.70	0.00	5.77	11268/device/8373					
4	8404	ONEPLUS	OnePlus 7T	HD1910	0.54	0.35	1.50	41.60	332.15	0.00	7.73	41268/device/8404					
5	8447	HUAWEI	华为 P30	ELE-AL00	0.60	0.57	1.51	27 <mark>.</mark> 76	239.64	0.00	8.09	11268/device/8447					
6	8530	HUAWEI	华为 P20	EML-AL00	0.70	0.90	0.94	31.55	218.68	0.00	2.90	41268/device/8530					
7	8554	OnePlus	—加7 Pro	GM1910	0.52	0.34	1.30	37.70	227.63	0.00	6.95	41268/device/8554					
8	8620	Xiaomi	小米 9	MI 9	0.64	0.62	1.11	39.10	151.48	0.00	8.24	11268/device/8620					
9	8744	blackshark	黑鲨游戏手机2	SKW-A0	0.78	1	1.35	39.19	214.84	0.00	5.58	41268/device/8744					
10	8808	Redmi	Redmi Note 9 4G	M2010J19SC	0.60	1.34	3.40	40.69	193.35	0.00	7.44	11268/device/8808					
11	8857	ONEPLUS	Oneplus 7	GM1900	0.62	0.29	1.27	41.60	217.82	0.00	5.38	11268/device/8857					
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## User experience and improvement effects

#### User experience

名字	刘悦	邹润隆	杨俊涛
学院	阿伯丁信管2	阿伯丁信管2	阿伯丁信管2
评价	外观好看	苹果手机下不了哎	酷啊n牛
改进意见	挺完美的就这样吧	希望以后苹果手机也 能下	如果食物种类再多点 就更好了
开发者分析	后续还会在调整一下 页面	目前只能是部分安卓 手机能下	现在只放了部分的种 类,我们只是测试一 下,然后后面会加上 更多的种类的

### User experience

名字	储子杰	何达斌	洪伟铭
学院	阿伯丁信管1	阿伯丁信管1	阿伯丁信管21
评价	动画流畅,页面衔 接做得很好	UI 设计的很好看	这个市场价值会不会 太低?
改进意见	暂时没有	图片可以再丰富一些	建议更改一下内容
开发者分析	现在只是在首页进入 的时候跳转很流畅, 后面会改进一些点击 食物的时候的页面	我们现在筛选的图片 只是部分,页面设计 也是以后会进一步更 新	根据个人喜好定制的 app,我们觉得短时 间内可能不会受到亲 睐,不过未来不一定。

### User experience

名字	秦皓	何其达	焦皓城
学院	阿伯丁信管1	阿伯丁信管2	阿伯丁信管2
评价	大致完美,如果搜索 方面加强一些就好了	挺好的	如果首页背景能再炫 酷一点就好了
改进意见	暂时没有	无	可以改一下背景颜色
开发者分析	根据建议我们目前将 用户经常看的食物种 类在首页进行推荐, 而且我们可以搜索食 物的种类了。		我们目前也在寻找颜 色能够相匹配的背景, 因为我们想和app中 图片的颜色一致,所 以之后会改进。

# Team division of labor and cooperation effectiveness



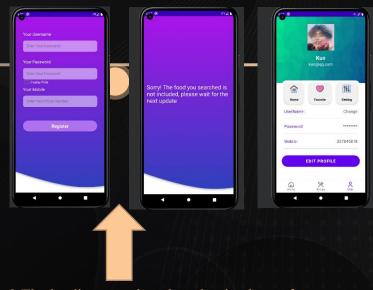
#### 黄鑫彬

1.He is responsible for the homepage design and has get started jumping to the homepage animation



2. There are also small ICONS that you can tap to get the type of food you want

This student is mainly responsible for writing the main page and animation, as well as most of the UI design content.

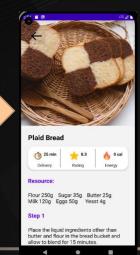


3. The landing page is written by the three of us and the profile is written together

#### 区逊雄

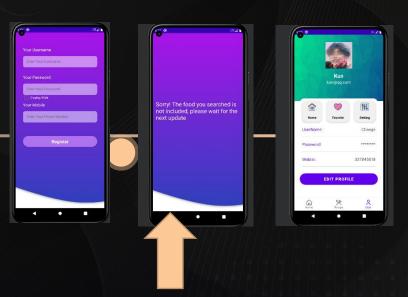
1.He was responsible for ui design with 黄鑫彬, he was responsible for the back part and黄鑫彬 was responsible for the front

2.He is mainly responsible for the search side, such as what food you need, you can search and then the relevant type will come up, and also the design of the banner.





He was responsible for the design of the code together with 黄鑫彬



3. The landing page is written by the three of us and the profile is written together

#### 李健楷

1. He is responsible for the code error problem, solve the ui design process to improve the part of the error.



```
val linearLayoutManager = LinearLayoutManager(requireContext(), LinearLayoutManager.HORIZONTAL, reverseLayout false)
val recyclerViewCategoryList = binding.recyclerView
recyclerViewCategoryList.LayoutManager = linearLayoutManager
val categoryList.ArrayList<CategoryDomain> = ArrayList<CategoryDomain>()
categoryList.add(CategoryDomain( title: "Pizza", pic. "cat_1"))
categoryList.add(CategoryDomain( title: "Burger", pic. "cat_2"))
categoryList.add(CategoryDomain( title: "Hotdog", pic. "cat_2"))
categoryList.add(CategoryDomain( title: "Dount", pic. "cat_4"))
categoryList.add(CategoryDomain( title: "Dount", pic. "cat_5"))
val adapter = CategoryAdapter(categoryList)
recyclerViewCategoryList.adapter = adapter
```

2. At the same time, he makes the final adjustments to the layout of the app, such as the position of buttons and the selection of pictures





mainly responsible for the appearance design of the app and solving the error problems

encountered by the code

3. The landing page is written by the three of us and the profile is written together

## THANKS!