

GROUP 16

Teammates: 黄鑫彬, 区逊雄, 李健楷

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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?

```
adapter2.setOnItemClickListener(object : FastDeliveryAdapter.OnItemClickListener {  
    override fun onItemClick(position: Int) {  
        val fastDelivery = adapter2.fastDeliveryDomains[position]  
        when (fastDelivery.title) {  
            "Plaid Bread" -> {  
                val intent = Intent(requireContext(), PlaidBreaddetail::class.java)  
                intent.putExtra( name: "title", fastDelivery.title)  
                intent.putExtra( name: "pic", fastDelivery.pic)  
                startActivity(intent)  
            }  
        }  
    }  
})
```

| effort

```
//判断搜索的食物
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)) {
        //统计

        editor.putInt("bread", bread+1)
        editor.apply()
        //跳转
        val breadFragment = BreadFragment()
        parentFragmentManager.beginTransaction()
            .replace(R.id.nav_host_fragment_activity_main, breadFragment)
            .addToBackStack( name: null)
            .commit()
    }
}
```

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



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



Ham Floss Cake



8.1



40 min



Cupcake



9.5



60 min


```

//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用以储存每个类别的名称
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
)

```

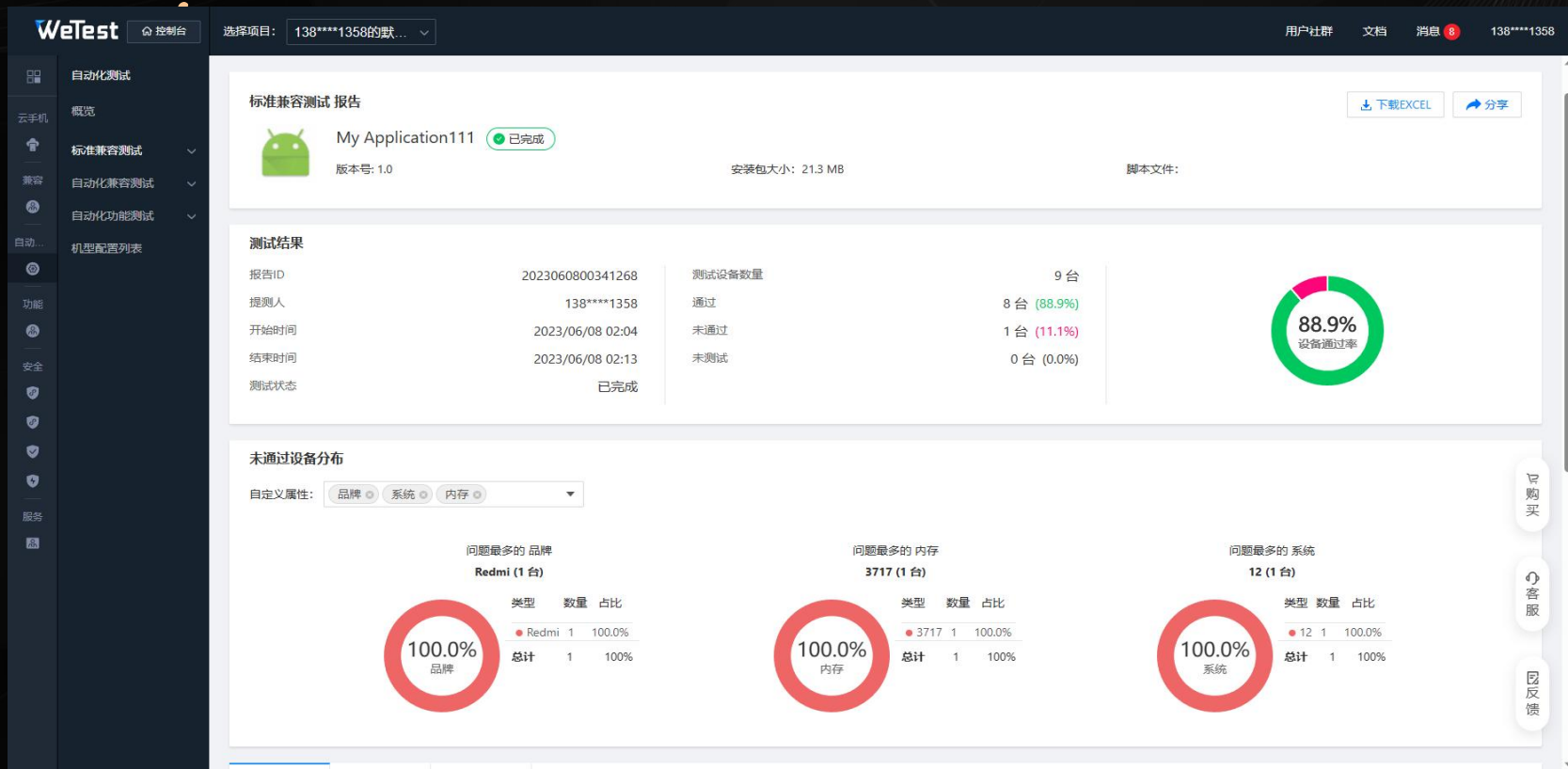
```

//打印
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



[illegible]

| | | | | | | | | | | | | |
|----|----------|-------|------------|-----------------|-----|-------|-------------------------------------------------|------|--------|-----------|-------|----------|
| | A | B | C | D | E | F | G | H | I | J | K | L |
| 1 | 兼容失败设备分布 | | | | | | | | | | | |
| 2 | 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 | 未通过 | Crash | g.IllegalStateException(AppCompatDelegateImpl.k | 12 | 6144 | 2340x1080 | 8 | 高通 骁龙662 |
| 5 | 8808 | Redmi | M2010J19SC | Redmi Note 9 4G | 未通过 | Crash | g.IllegalStateException(AppCompatDelegateImpl.k | 12 | 6144 | 2340x1080 | 8 | 高通 骁龙662 |
| 6 | 8808 | Redmi | M2010J19SC | Redmi Note 9 4G | 未通过 | Crash | g.IllegalStateException(AppCompatDelegateImpl.k | 12 | 6144 | 2340x1080 | 8 | 高通 骁龙662 |
| 7 | 8808 | Redmi | M2010J19SC | Redmi Note 9 4G | 未通过 | Crash | g.IllegalStateException(AppCompatDelegateImpl.k | 12 | 6144 | 2340x1080 | 8 | 高通 骁龙662 |
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[illegible]

[illegible]

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青睐，不过未来不一定。 |
| | | | |

User experience

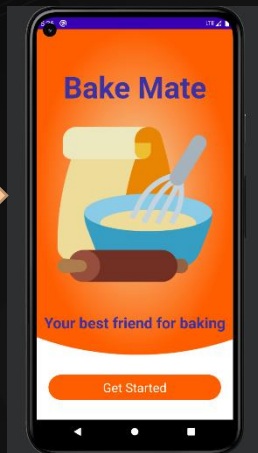
| 名字 | 秦皓 | 何其达 | 焦皓城 |
|-------|--------------------------------------------|--------|-----------------------------------------------|
| 学院 | 阿伯丁信管1 | 阿伯丁信管2 | 阿伯丁信管2 |
| 评价 | 大致完美，如果搜索方面加强一些就好了 | 挺好的 | 如果首页背景能再炫酷一点就好了 |
| 改进意见 | 暂时没有 | 无 | 可以改一下背景颜色 |
| 开发者分析 | 根据建议我们目前将用户经常看的食物种类在首页进行推荐，而且我们可以搜索食物的种类了。 | | 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



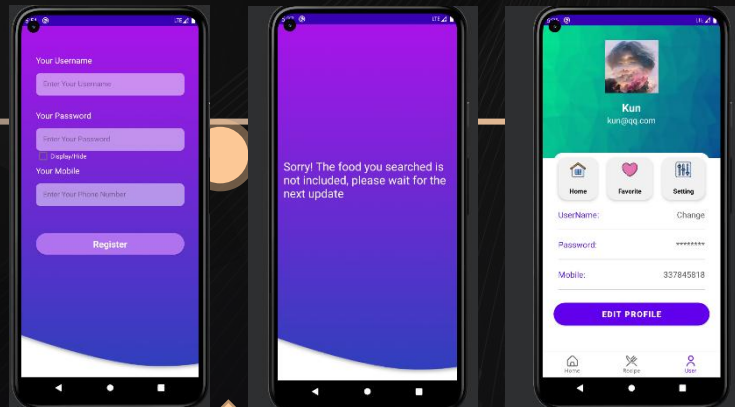
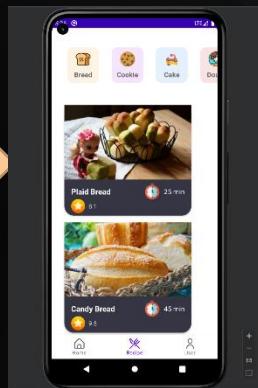
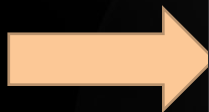
黄鑫彬

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



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

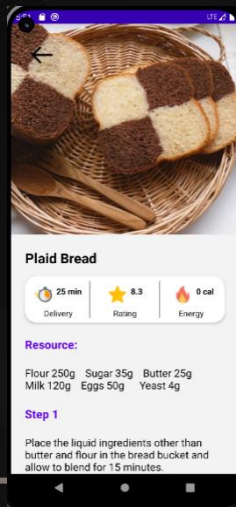
2. There are also small ICONS that you can tap to get the type of food you want



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

区逊雄

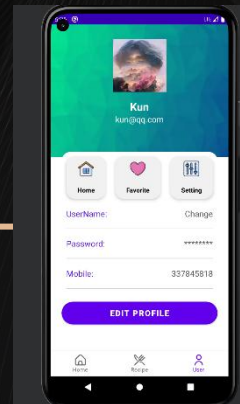
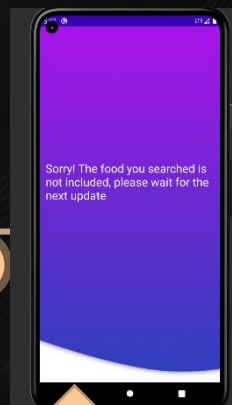
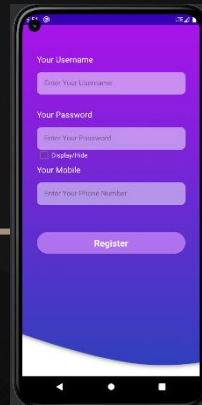
1.He was responsible for ui design with 黄鑫彬, he was responsible for the back part and 黄鑫彬 was responsible for the front



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

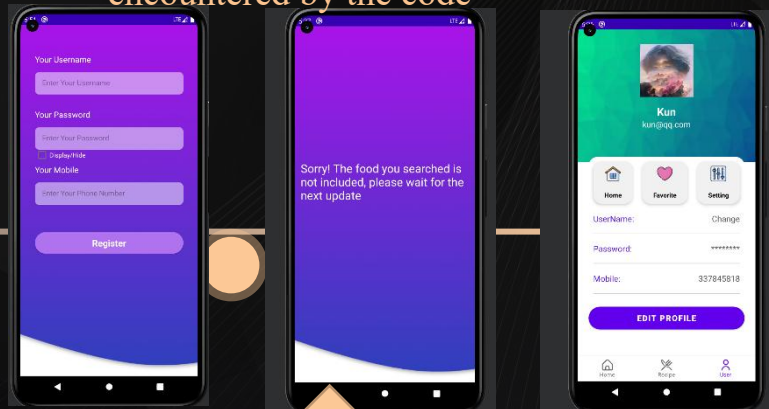
1. He is responsible for the code error problem, solve the ui design process to improve the part of the error.

```
val layoutManager = LinearLayoutManager(requireContext(), LinearLayoutManager.HORIZONTAL, reverseLayout: false)
val recyclerViewCategoryList = binding.recyclerView
recyclerViewCategoryList.layoutManager = layoutManager
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_3"))
categoryList.add(CategoryDomain( title: "Drink", 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 !

BUSINESS
PLAN