

## How to Use this Template

1. Create a new document, and copy and paste the text from this template into your new document [ Select All → Copy → Paste into new document ]
2. Name your document file: “**Capstone\_Stage1**”
3. Replace the text in green

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Description

Intended User

Features

User Interface Mocks

Screen 1

Screen 2

Key Considerations

How will your app handle data persistence?

Describe any corner cases in the UX.

Describe any libraries you'll be using and share your reasoning for including them.

Describe how you will implement Google Play Services.

Next Steps: Required Tasks

Task 1: Project Setup

Task 2: Implement UI for Each Activity and Fragment

Task 3: Your Next Task

Task 4: Your Next Task

Task 5: Your Next Task

**GitHub Username:** *BlackCatXXF*

# Campus snack shop

## Description

这个 APP 用于解决学生在宿舍开零食铺的时候，解决推广和售卖问题，可以在该 APP 下订单，就可以把订单的零食送过去，可以展示最新进货的零食及其他小物品，可以通过这个 APP 把物品的售卖从学校的超市拉近到学生的宿舍。

## Intended User

我的目标用户是在校大学生，他们可以使用这个 APP 来进行订购零食及其他杂货品。

## Features

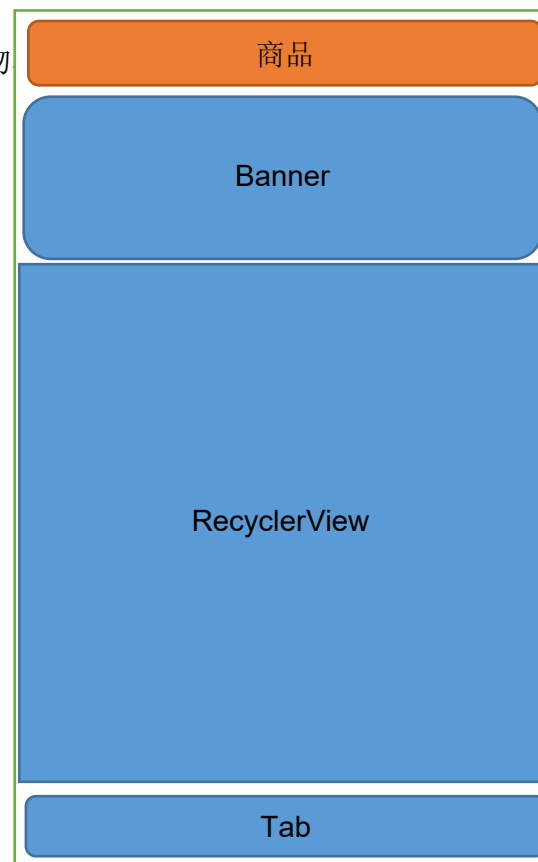
- 商品列表
- 商品详情
- 出售商品
- 收货地址（宿舍楼号及宿舍号）

## User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, [www.ninjamock.com](http://www.ninjamock.com), Paper by 53, Photoshop or Balsamiq.

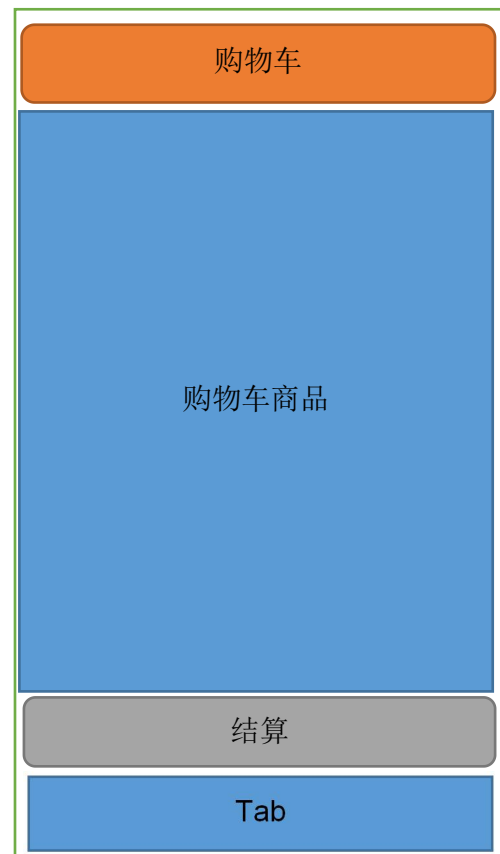
### Screen 1

商品页，用来展示商品，把商品添加进购物



## Screen 2

购物车页面，可以结算，没有支付功能，进行货到付款，只是计算总额。



## Key Considerations

How will your app handle data persistence?

购物车的数据存到本地数据库里

Describe any edge or corner cases in the UX.

在结算成功页面中，会在 **toolbar** 上使用 **back** 按钮，能够回到购物车界面，使用 **fab** 按钮编辑购物车

Describe any libraries you' ll be using and share your reasoning for including them.

使用 **Picasso** 库来加载图片，使用 **AndroidImageSlider** 来实现轮播广告，使用 **okhttp** 框架来进行网络请求

Describe how you will implement Google Play Services or other external services.

实现 **google** 广告服务

## Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

### Task 1: Project Setup

创建项目，`compileSdkVersion` 为 23，在 `build.gradle` 配置好需要使用的库。

### Task 2: Implement UI for Each Activity and Fragment

- 为商品页创建 UI 界面
- 为购物车创建 UI 界面
- 创建结算成功页面的 UI

### Task 3: 完成商品页的代码

- 使用 **AndroidImageSlider** 库来完成商品页的广告轮播
- 使用 **recyclerview** 来展示商品
- 为 **recyclerview** 创建 item 的 UI，及对应的 **adapter**
- 使用 **FragmentTabHost** 来构建商品页和购物车页的 **tab** 按钮

## Task 4: 完成购物车页代码

- 制作自定义组合控件加减按钮
- 完成购物车对应的 `fragment` 代码
- 为 `recyclerview` 创建 `item` 的 UI, 及对应的 `adapter`

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### Submission Instructions

- After you've completed all the sections, download this document as a PDF [ File → Download as PDF ]
  - Make sure the PDF is named "**Capstone\_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone\_Stage1.pdf**"