

## How to Use this Template

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## Submission Instructions

1. After you’ve completed all the sections, download this document as a PDF [ File → Download as PDF ]
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# Campus News

## Description

Chung Chi College already have a weekly news website powered by Wordpress ([http://www.cuhk.edu.hk/ccc/publications/weekly\\_news/](http://www.cuhk.edu.hk/ccc/publications/weekly_news/)). However, it is inconvenience for students to use on mobile. This app will parse the feed from the Wordpress and provide a friendly UI to students to check the news.

Less traffic, More friendly, Design for Android.

## Intended User

Student of Chung Chi College (current reader of the weekly news with Android devices)

## Features

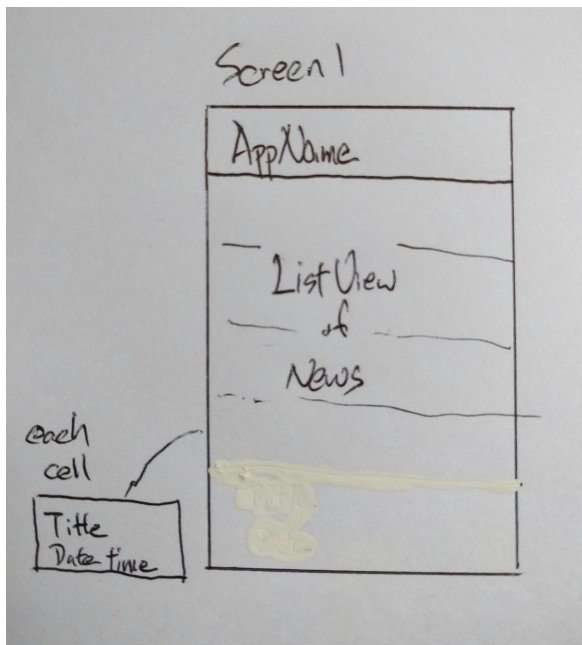
List the main features of your app. For example:

- List of current news
- News detail
- Share button for sharing important news

## User Interface Mocks

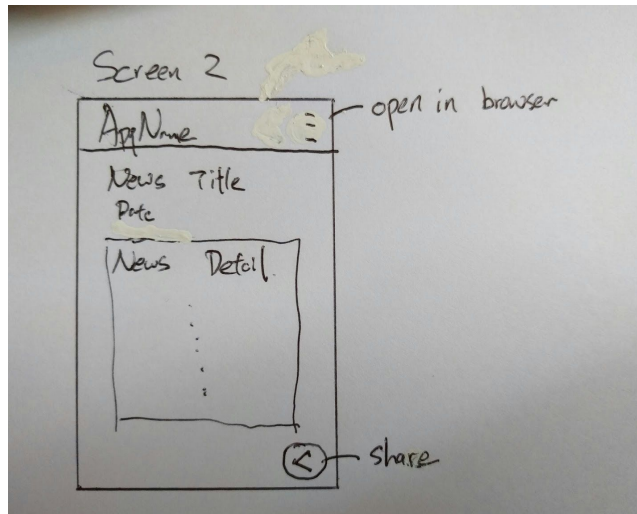
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Photoshop or Balsamiq.

### Screen 1



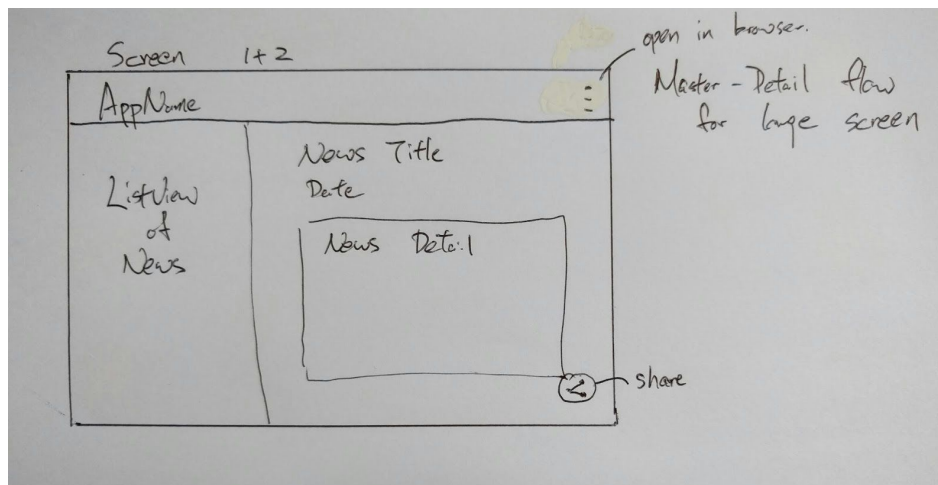
This is the landing screen of the application. This screen will show a list of news extracted from the weekly news website. Each cell of the list represent one new record. By pressing one of the news record, it will redirect user to Screen 2.

## Screen 2



Screen 2 is the detail page of the news record. It will show the detail of the news record. It will have a FAB share button, which leads the user to spread the news. It also has an open in browser option in the Toolbar Menu.

## Screen 1 + 2 (for large screen only)



Screen 3 is for large screen only. It combines Screen 1 and Screen 2 as a Master-Detail flow to utilize the screen size.

## Key Considerations

### How will your app handle data persistence?

There will be a sync adapter and content provider to sync and store the news.

### Describe any corner cases in the UX.

User may not find the “open in browser” option in menu. But it expected as share is more important function and FAB should not stack different actions.

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

Design Support Library (for UI)

Google Play Services (for Ads / Analytics)

## Next Steps: Required Tasks

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

### Task 1: Project Setup

Setup new Project in Android Studio, initial commit in GitHub

- Create New Project
- Add library dependency

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

Create Master-Detail Flow

- Listview Fragment
- Detail Fragment

### Task 3: Create Sync Adapter and Content Provider

- Create Content Provider
- Create Sync Adapter

### Task 4: Add Google Analytics

- Add Google Analytics into application for tracking

### Task 5: Proguard and Build Signed APK

- Setup Proguard
- Build Signed APK

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