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Submission Instructions
1. After you've completed all the sections, download this document as a PDF [File → Download as PDF]
2. Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
3. Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"

GitHub Username: seventhmoon

Campus News

Description

Chung Chi College already have a weekly news website powered by Wordpress (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)
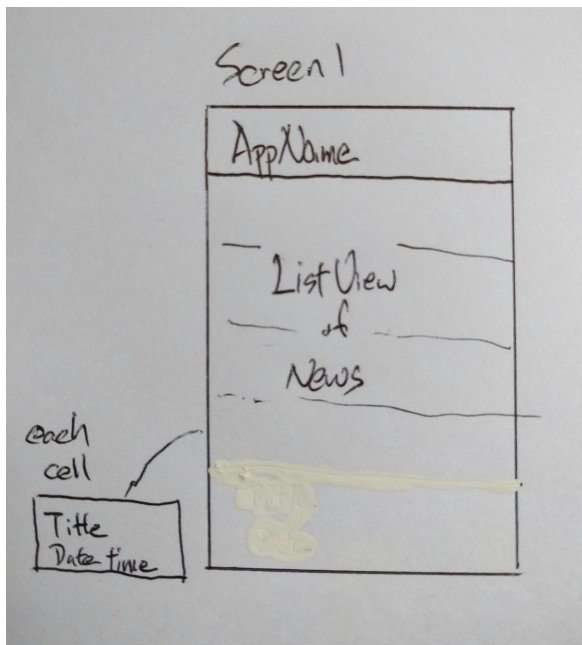
Features

List the main features of your app. For example:
- List of current news
- News detail
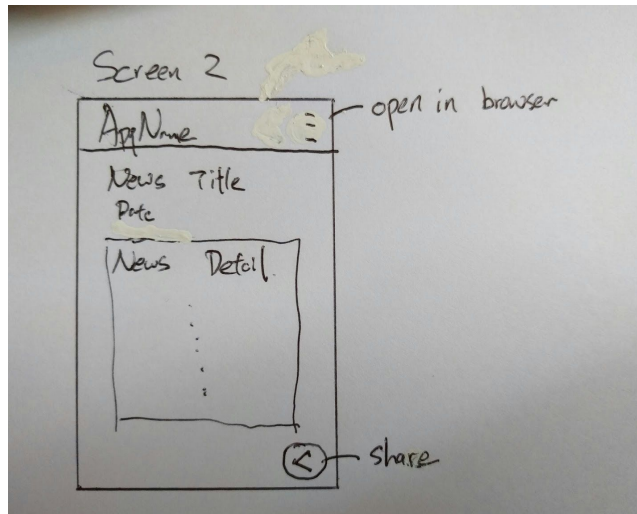- Share button for sharing important news

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.
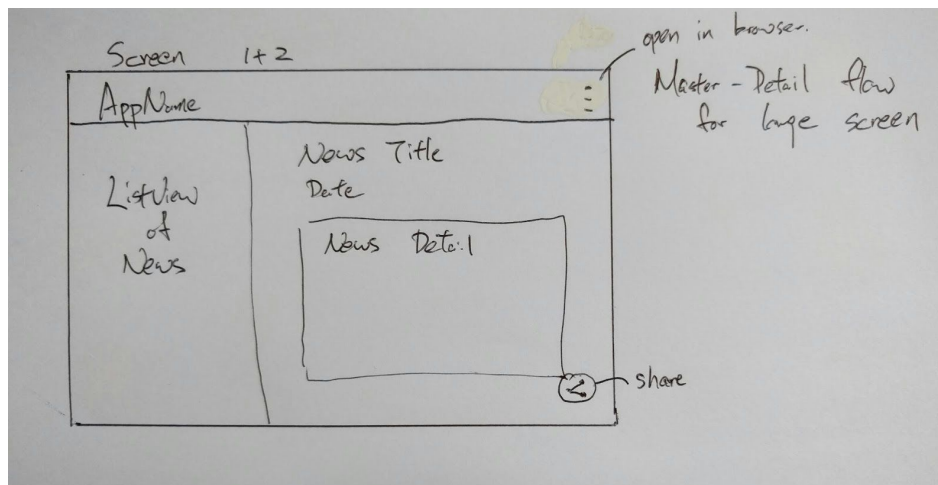
Screen 1

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 shows the detail of the news record. It will have a FAB share button, which lead user to spread the news. It also have a open in browser option in the Toolbar Menu.

Screen 1 + 2 (for large screen only)

Screen 3 is for large screen only.
It combine Screen 1 and Screen 2 as 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
- Layout for each cell
- Detail Fragment
- FAB for share
- Menu item "open in browser"

Task 3: Create Sync Adapter and Content Provider

- Create Content Provider for storing data locally
- Create Sync Adapter for getting the data regularly
- Create parser for the XML feed of WordPress
- Create Dummy Account Service for Sync Adapter

Task 4: Add Google Analytics

- Add Google Analytics into application for tracking
- Remember to have only one Tracker instance

Task 5: Proguard and Build Signed APK

- Setup Proguard
- Build Signed APK

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