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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**"
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GitHub Username: kartikarora

Transfer.sh

Description

Hassle free file upload and sharing. No registration required.

This app will be a mobile front end for the http://transfer.sh service

Intended User

Anyone who wishes to share files quickly, eg a student, teacher, project manager etc.

Features

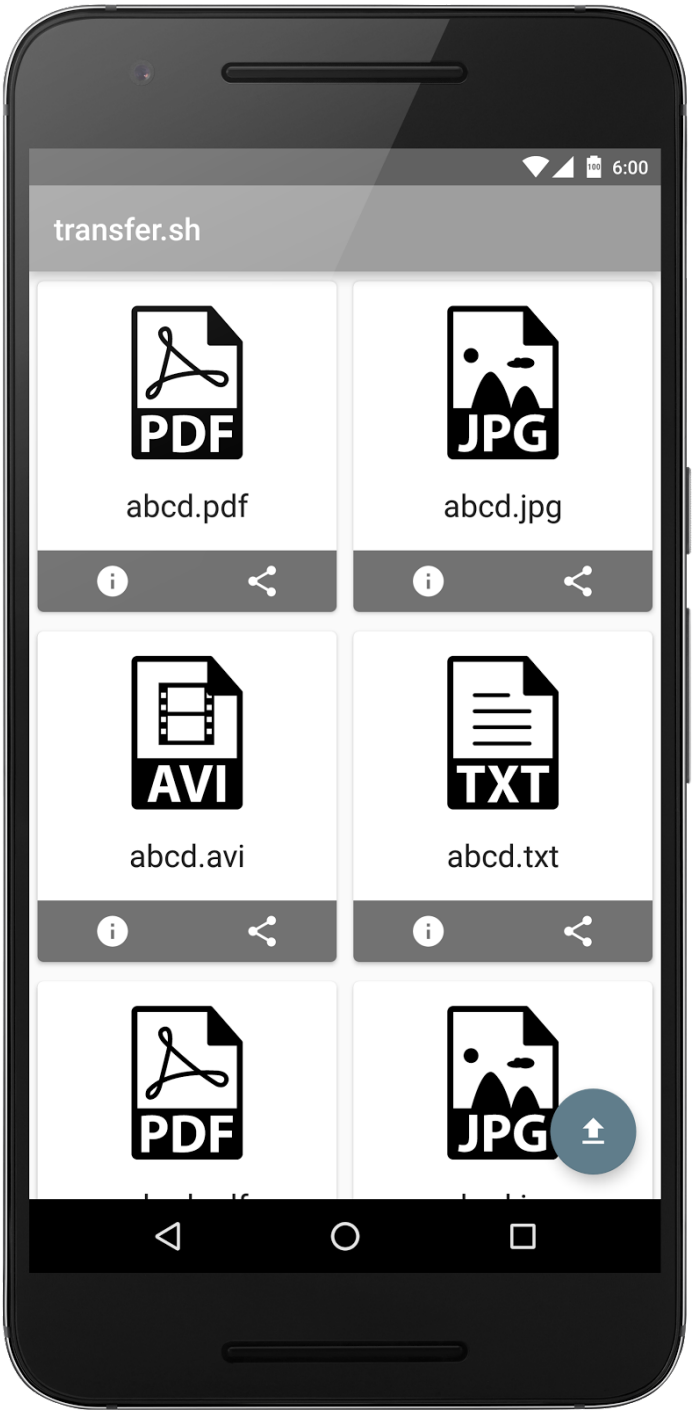
List the main features of your app. For example:

- Saves uploaded file information
- Share link available even when offline
- Neat and easy to use UI/UX

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 - TransferActivity



Dashboard listing all the uploaded files. A floating action button is available to upload more files. Info button and share button to get details of a file and to share the link respectively.

Key Considerations

How will your app handle data persistence?

Data will be stored using a Content Provider backed by SQLite Database

Describe any corner cases in the UX.

Errors due to unsupported files of network issues.

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

Retrofit - To make async network requests
Google Play Services - To capture app analytics
Firebase Ads - To display ads
Google Support Library - To use material design widgets, CardView, RecyclerView and AppCompatActivity classes

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

- Get Files from device storage/external storage using Storage Access Framework
- Upload the file to web server and store the shareable link

Task 2: Implement UI for Each Activity and Fragment

- Build the UI for TransferActivity, the default activity of the app using RecyclerView, FloatingActionButton, etc

Task 3: Build Content Provider

- Build the content provider for data persistence and offline access

Task 4: Handle Edge Cases and Testing

- Handle the edge cases described
- Intensive Testing on physical devices and Cloud Test Lab
- Prepare to release app on Play Store

Add as many tasks as you need to complete your app.

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