* **(5 Points)**Various approaches to storage management on your platform of choice
* **(5 Points)** Pros AND cons of each approach for your project

Storage Management approaches:

1. Cloud  
   Storage can be done on the cloud directly using several APIs, such as Room API or SQL Database.  
   Pros:
   * More storage of data is possible as there is no limits on user’s phone
   * In case phone crashes, or user buys new phone, data is still present

Cons:

* + Network latency can cause data to be loaded slowly

1. SharedPreferences/Internal Storage  
   Storage is done in small key-value pairs or files.  
   Pros:
   * Does not require network to get data.

Cons:

* Cannot store a lot of data
* Does not have any functionality for sorting or filtering through data well. That has to be handled in app.

1. Cache  
   Temporary storage that can help with other storage types  
   Pros:
   * Can be refreshed easily and help with cloud storage to reduce latency

Cons:

* Can be removed by user
* Tends to have a small TTL

Storage Preferences for my app:

1. Cloud  
   Pros:
   * App can be expanded to store filtered images from the user, will allow more functionality
   * Retention of data across devices and/or reinstallation

Cons:

* Latency time will increase
* Privacy will have to be kept in mind as user images are private data

1. Shared Preferences/Internal Storage  
   Pros:
   * Can keep data in file for user settings and such easily.
   * Low latency to get data from file.
   * Does not rely on network.

Cons:

* Cannot retain data on reinstall.
* Cannot store a lot of data, dependant on user storage.

1. Cache  
   Pros:
   * Caan be used to keep data in memory till cloud backup

Cons:

* Does not have a lot of uses as this is temporary storage.