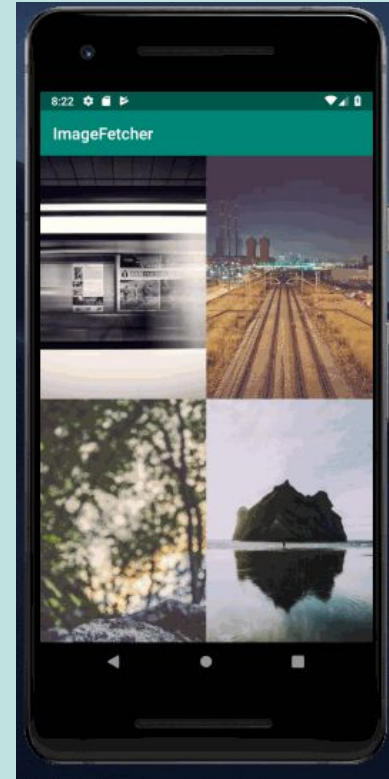# CSc 317
Service

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Services

- A **Service** is an android API component that can be used for doing long-running background tasks
- Continues to run in background, even if user changes application
- Three types:
  - **Foreground**
  - **Background**
  - **Bound**

Recall: Four Main Building blocks of apps

- **Activities** - The entry point for interacting with the user. It represents a single screen with a user interface.
- **Services** - A general-purpose entry point for keeping an app running in the background for all kinds of reasons. For instance, a download or music.
- **Broadcast Receivers** - A component that enables the system to deliver events to the app outside of a regular user flow, allowing the app to respond to system-wide broadcast announcements.
- **Content providers** - Manages a shared set of app data.

Implement the ImageFetcher

- Download the starter code
- Four ImageViews
- Download and display a new image every second
- Alternate updating the image between the four ImageViews
- Finish implementing the **TODO**s

ImageFetcher

- An Intent service that would download images at an interval, and would send a message with the bitmap
- ***Does it continue to run in background?***