

# Mobile App Development – Android

## MAP524S1A

### Week 11 – Networking in Android

# Networking

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- One common way to communicate with the outside world is through HTTP.
- HTTP is no stranger to most people; it is the protocol that drives much of the web's success.
- Using the HTTP, you can perform a variety of tasks, such as downloading web pages from a web server, downloading
- binary data, and more.

# Internet Permissions

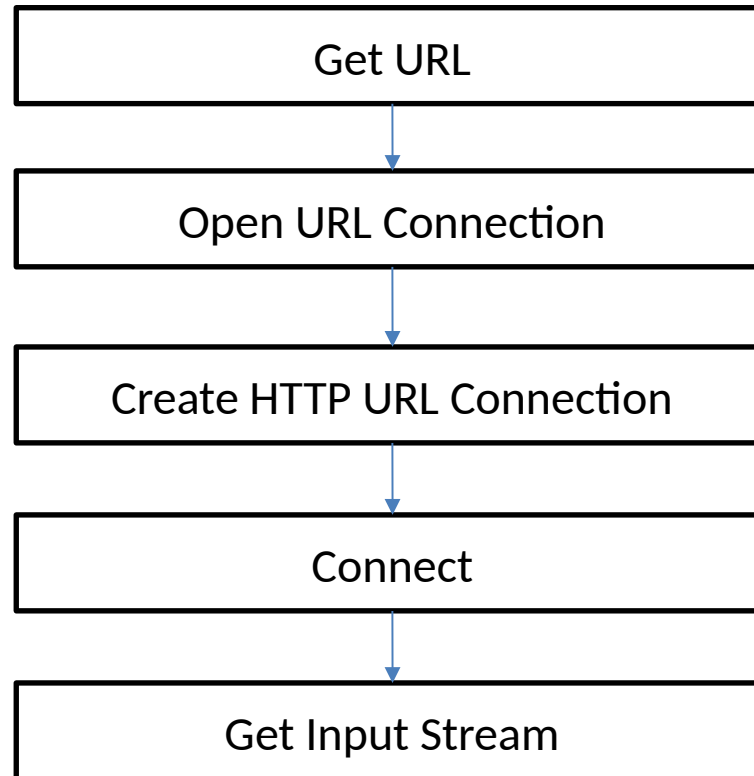
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- In order to allow app to use Internet, following permission needs to be added to the Manifest file

**<uses-permission android:name="android.permission.INTERNET"/>**

# HTTP Connection

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# Volley in Android

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- Volley is an HTTP library that makes networking for Android apps easier and most importantly, faster.
- Volley offers the following benefits:
  - Automatic scheduling of network requests.
  - Multiple concurrent network connections.
  - Support for request prioritization.
  - Cancellation request API.
  - Debugging and tracing tools.

# Volley in Android

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- To use Volley, following dependency should be added to build.gradle

```
dependencies {  
    ...  
    implementation 'com.android.volley:volley:1.2.1'  
}
```

# Volley in Android

