

Version Control

- Part of Software Configuration Management
- Used to manage changes to the source code
 - tracks revisions, with timestamps and users
 - allows control (rollback, branching, etc)
 - many allow concurrent work (sane)
- “Essential” for multi-developer projects

Version Control

- Available in many different places, with different functions, e.g.
 - Dropbox
 - Google Drive/Docs
 - Operating systems and Apps (e.g., Mac)

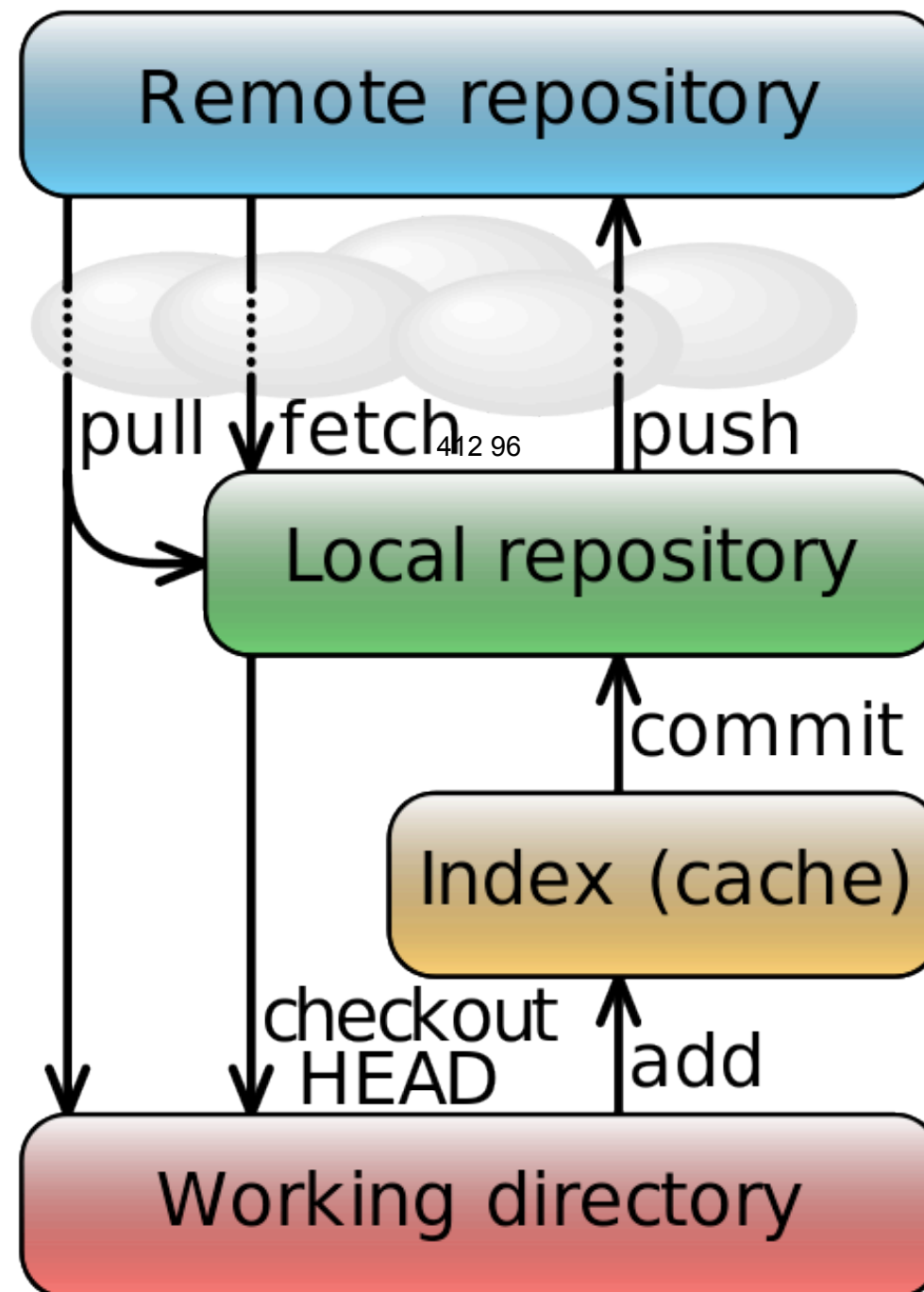
Important Concepts

- Repository / Working Copy
- Change (List)
- Commit
- Trunk / HEAD
- Conflict / Merge
- History

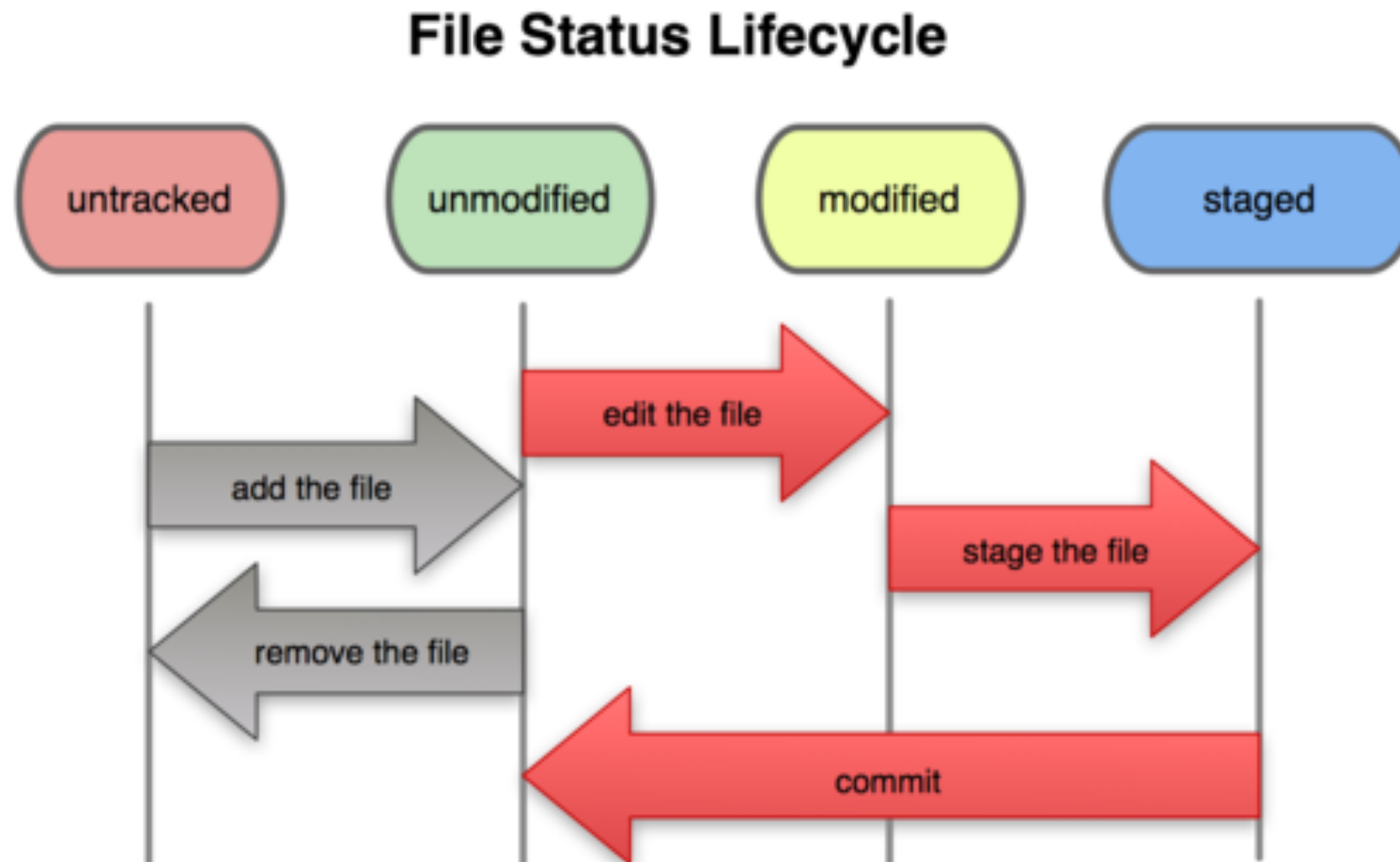
Git

- Distributed version control
- Developed by Linus for Linux Development
- Distributed
- Strong support for non-linear development
- Efficient for large projects

Work Flow / Concepts



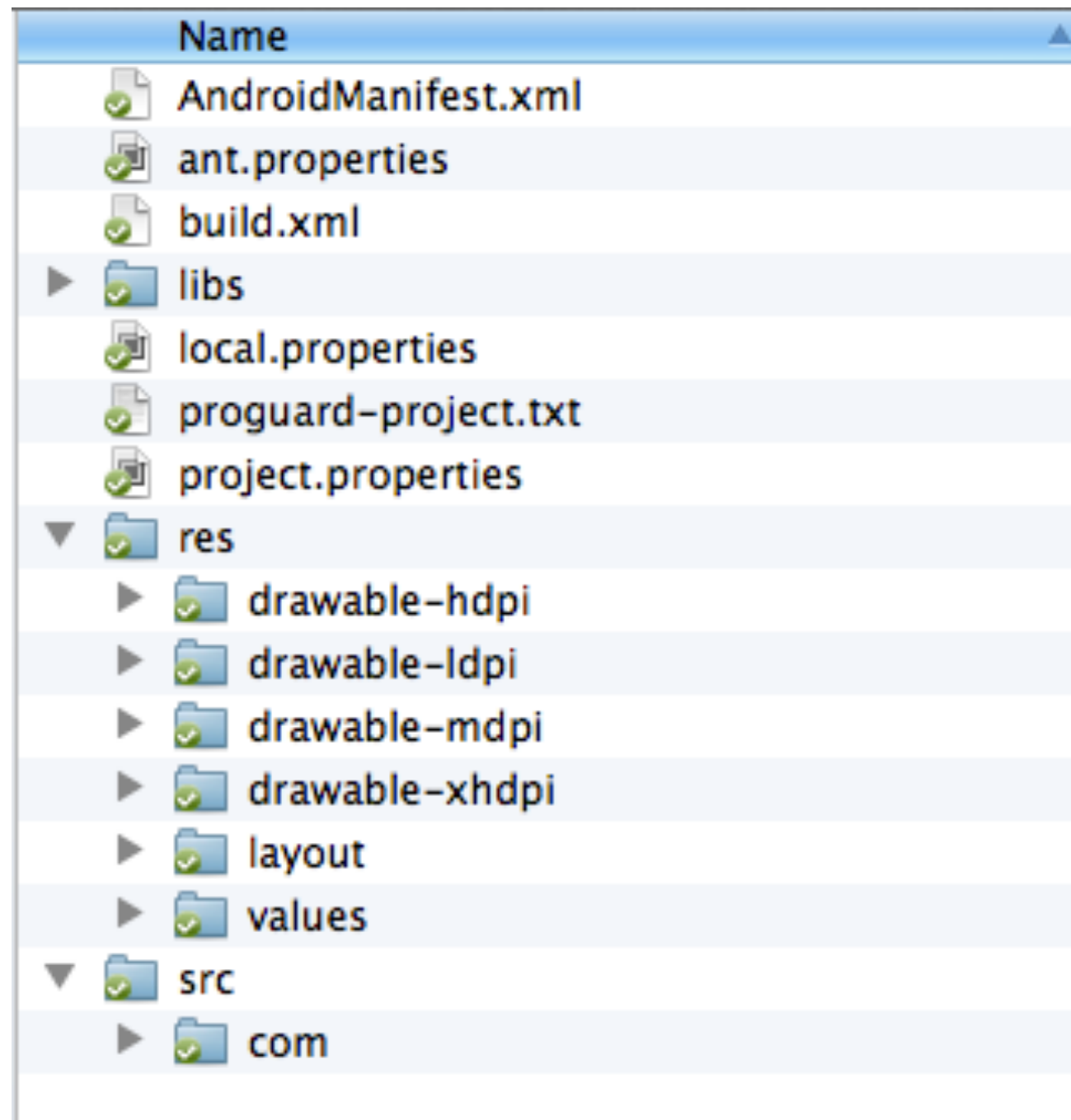
Work Flow / Concepts



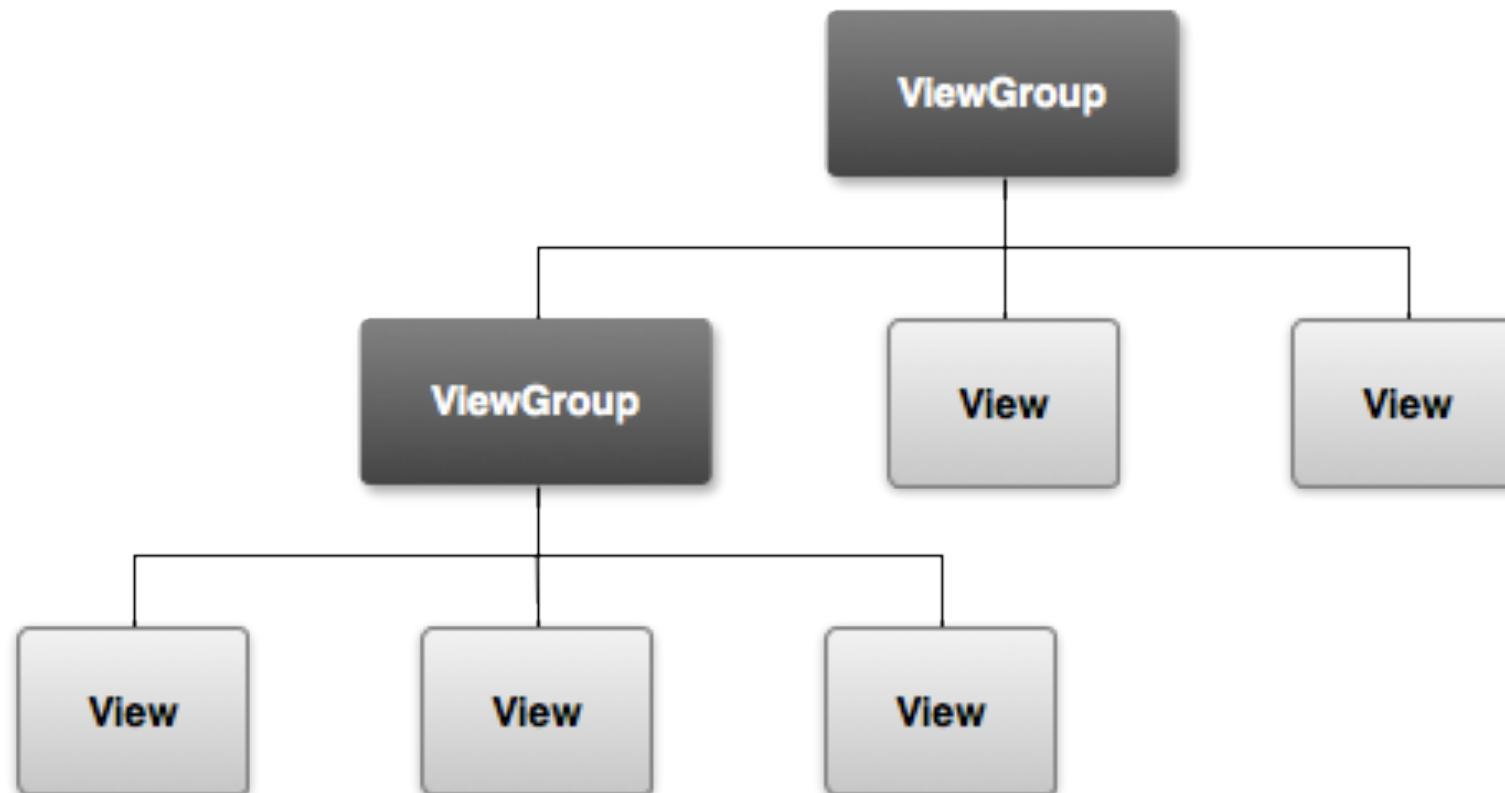
Android SDK

- From our perspective
 - Java-based API
 - XML-based layout
 - Tools to build/install/simulate

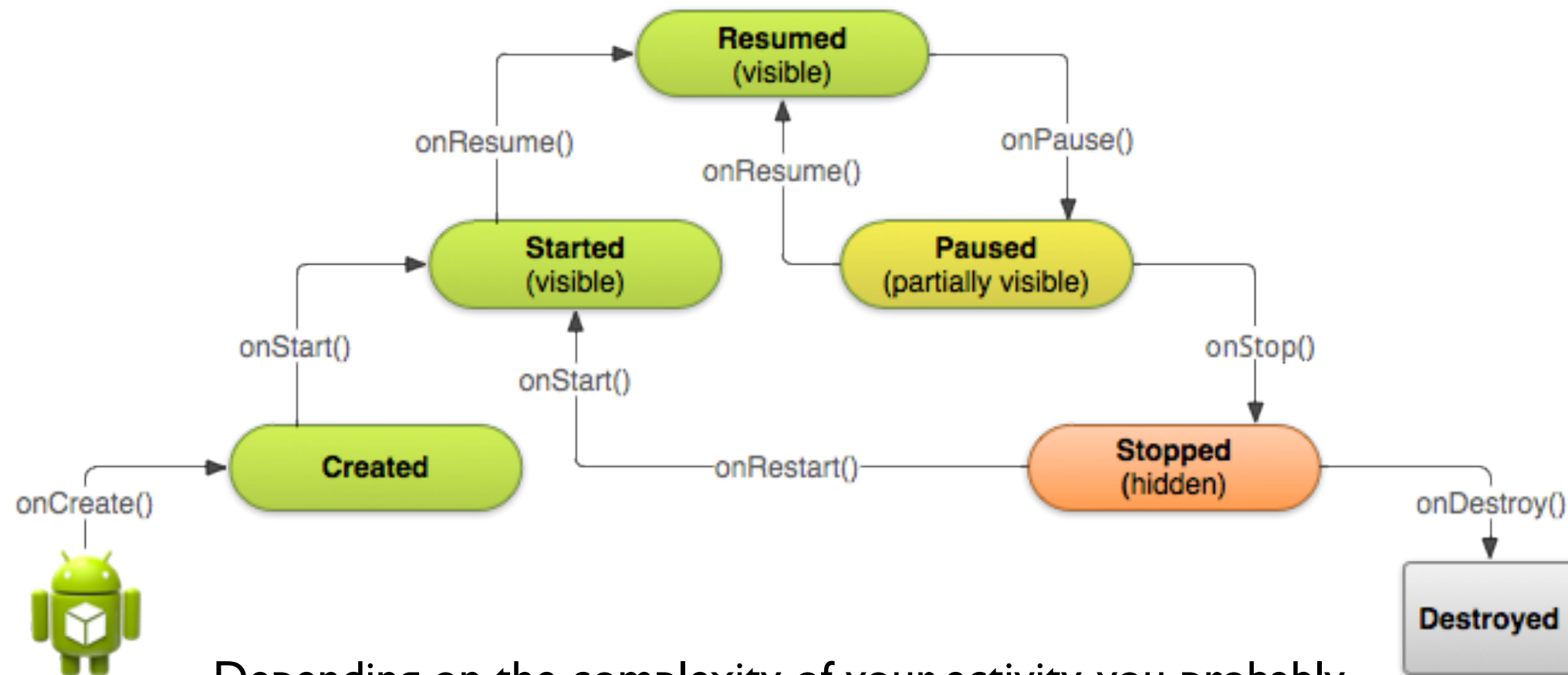
Structure of a Project



UI Basics :Views



Activities life cycle



Depending on the complexity of your activity, you probably don't need to implement all the lifecycle methods.