Section 1 - Github

GitHub is a Web-based Git repository hosting service. It offers all of the distributed revision control and source code management (SCM) functionality of Git as well as adding its own features. - Wikipedia

Preparing Jobs

1. Create An Github Account

2. Install Git Client on your PC

GitHub Desktop for Mac and Widnows, or

Git for Mac, Windows and Linux from

https://git-scm.com/downloads

Generate SSH Keys

With ssh-keygen for Mac and Linux Users

With Git Bash for Windows Users

Get Individual Guide from

https://help.github.com/articles/generating-ssh-keys/

Setting Up GitHub

Add Public Key to GitHub

Setup Git

Creating A Repository

Forking A Repository

Basic Git Commands

```
$ git init
$ git clone
$ git add {files}
$ git commit -m "Messages"
$ git push origin master
$ git remote add origin {Server}
```

More Git Commands - Branch

```
$ git checkout -b feature_x
$ git checkout master
$ git branch -d feature_x
$ git push origin {branch}
```

More Again – Update & Merge

```
$ git pull
$ git merge {branch}
$ git add {filename}
$ git diff {source branch} {target branch}
$ git log
$ git diff {first file} {secend file}
```
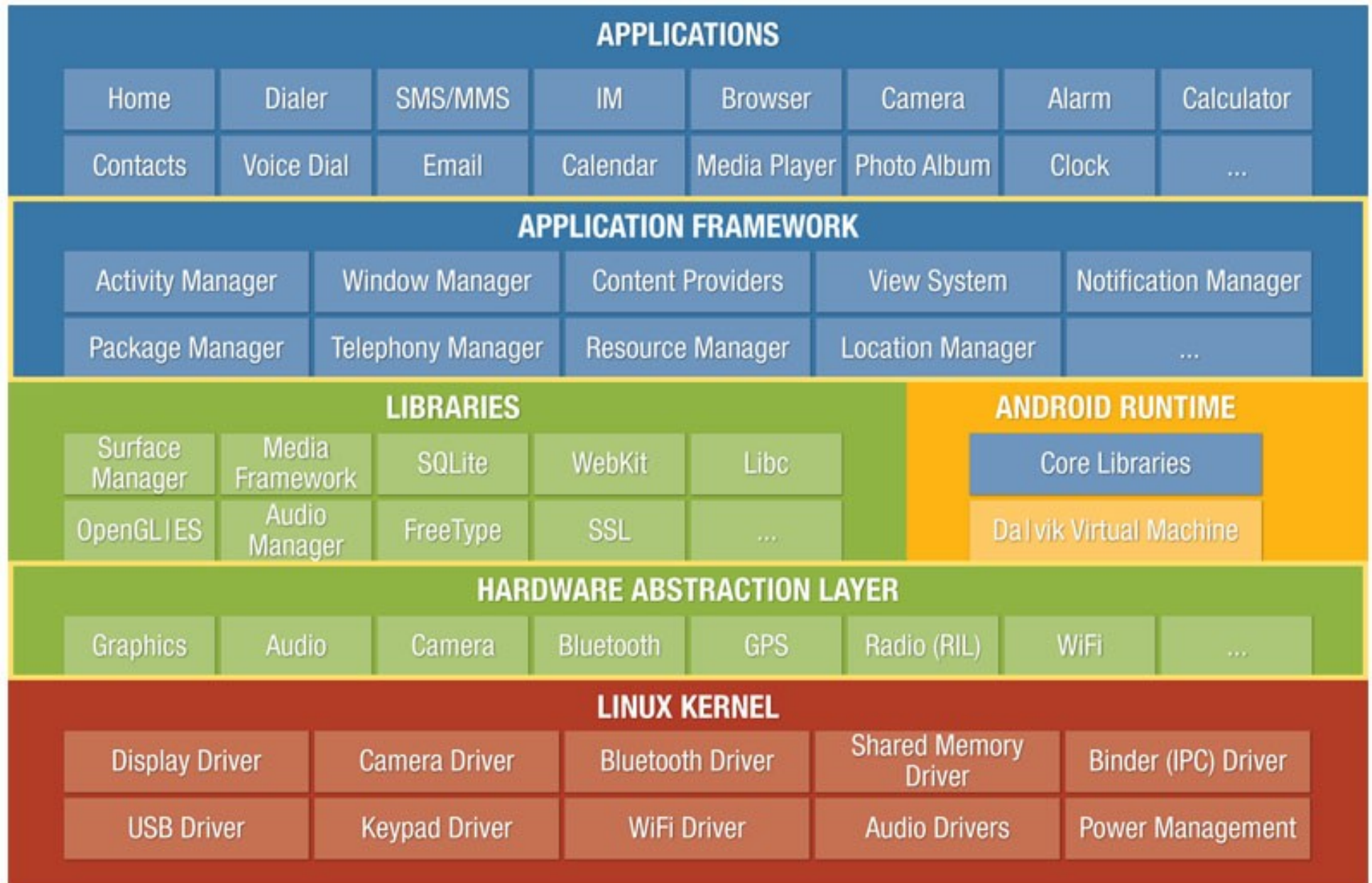
More Guides:

http://rogerdudler.github.io/git-guide/

Section 2 – Android Demo

Benefits of Gradle

- Create multiple APKs for your app with different features using the same project

- Reuse code and resources

- Customize, configure, and extend the build process

- Customized integration with their own IDE Android Studio

- Single build tools to support multiple languages