Becoming a Pro (II)
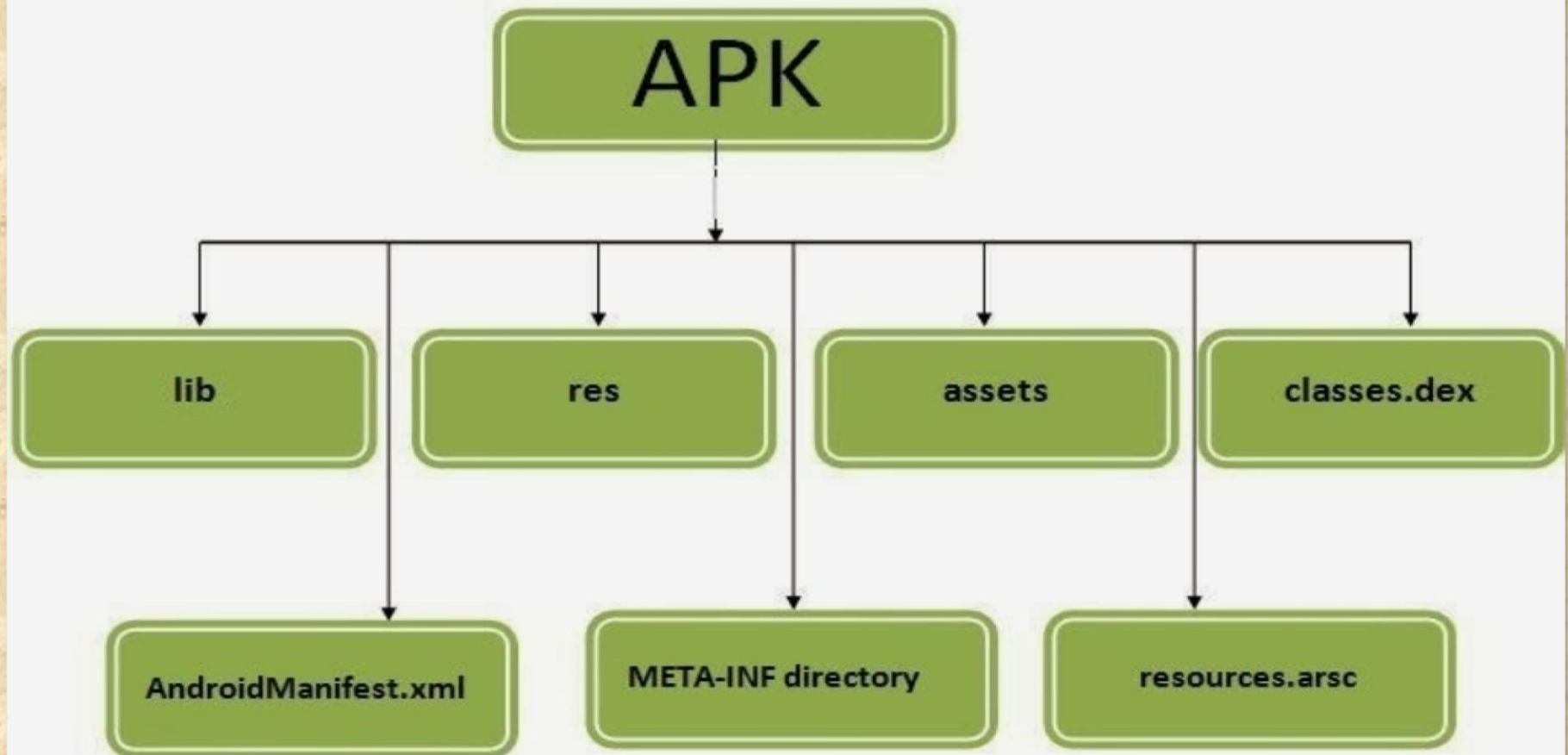
IN Mobile Applications Testing

Android .APK structure

APP RISK ANALYSIS

Setting Up a Mobile Test Lab

What mobile devices will you use to test?	What devices are officially supported?	Make a decision based on user statistics	How will you source the devices?
When will you use an emulator or a real device?	What software will be maintained on the mobile devices?	How will the devices be managed and stored?	How can you be effective with the device power consumption? Do the devices really need to be charging all the time?
How will you load apps onto multiple devices?	Is there a need for a booking system for test devices?	How will you label devices with useful information? (OS, screen resolution, pixel density)	Can you use a background image to communicate information to the user of the device? For example, device information or a reminder of guidelines.

APP RISK ANALYSIS

What Makes a Mobile App or Website...ACCESSABLE?

Does audio and voiceover function and make sense?

Can you zoom in and out effectively?

Does the app accommodate all sizes of text?

Does the full list of touch device options work?

How large can on-screen buttons and navigation be?

Is there voice activation or control?

Is color contrast at a sufficient accessible level?

Is it worth considering audible, visible and vibrating alerts?

How does the app look inverted in colors? For example, white on black.

Have you explored the accessibility features of the app and mobile device you are using?

What types of gesture controls are available

APP RISK ANALYSYS

What Makes a Mobile App or Website...Social?

Can you register as a user via the app?

Can you login via the app?

Do you remain logged in when the app is not in use? If not, how does that affect the user experience?

Does the app or website support social authentication methods?

How easy is it to share media content, links, or files as well as comments and notes?

How easy is it to disconnect updates and communications via the app?

Can notifications be switched off or changed?

APP RISK ANALYSYS

What Makes a Mobile App or Website...Secure?

Can the app be decompiled?

How secure is the connection to the cloud server, if used?

Can the data in transit be intercepted and decoded?

Is any data or temporary data that the app uses stored securely on the device?

Is all app data removed when the app is uninstalled?

Is the app obfuscated using ProGuard/Dex Guard (Android only)

Does the app authenticate? How?

After an update, is my data still safe?

Should the user automatically log out after a period of time?

Can security be changed from other devices or websites?

What happens if the user gets locked out?