

Upon completion of this module, a student will be able to

- prepare app for release
- version app
- build apk file
- sign app
- set up account
- create a store listing
- upload app



Assignment

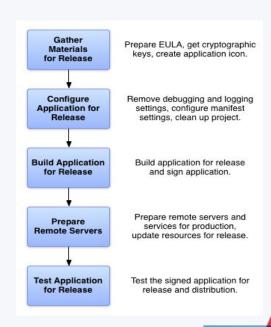
- Task
 - Pick an app that you have worked on and publish it to a closed alpha track. Submit the opt in test link in your README.
- Repo
 - 0
- Submission
 - Fork on github and submit pull request





Preparing an App for Release

- Test Thoroughly
- Prepare Code
- Test again
- Prepare External Resources
- Distribute for internal testing







Versioning

- Version Code integer which must increase for updates
- Version Name just a string shown to users

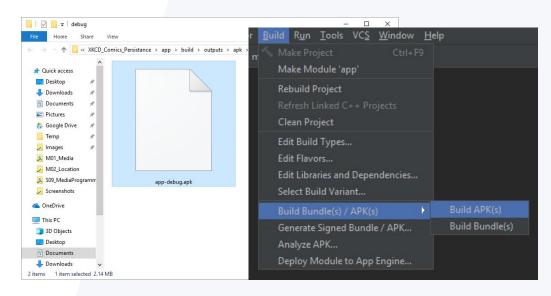
```
android {
    compileSdkVersion 28
    defaultConfig {
        applicationId
"com.lambdaschool.xkcd_comics"
        minSdkVersion 21
        targetSdkVersion 28
        versionCode 1
        versionName "1.0"
        ...
}
...
}
```





Build an apk File

- Manually distributable
- Install on test devices
 - Sideload Apps







A Student Can

sign an app for secure distribution

App Signing

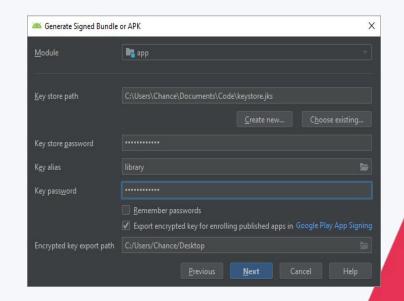
- Keystore / Key
 - apk distribution
- Google Play Signing
 - Bundle distribution





Generate Signed App

- Build > Generate Signed Bundle / APK
- Select Keystore
- Provide Passwords
- Save key for Google Play App Signing

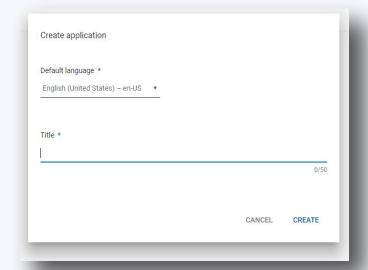






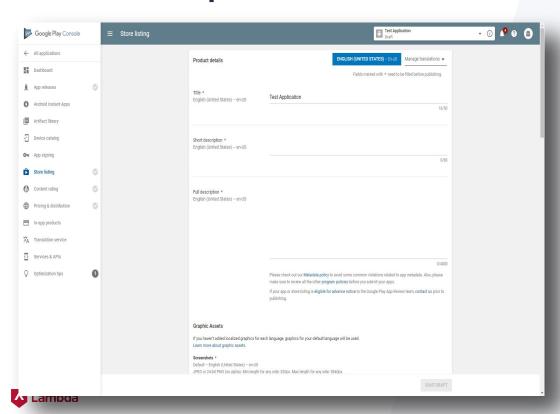
Creating a Store Listing

- Create a developer account
- Navigate to https://play.google.com/apps/publish
- Click "Create Application"





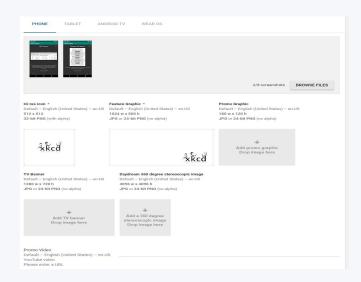
Descriptions



- Title
- Short Description
- Full Description

Graphics Assets

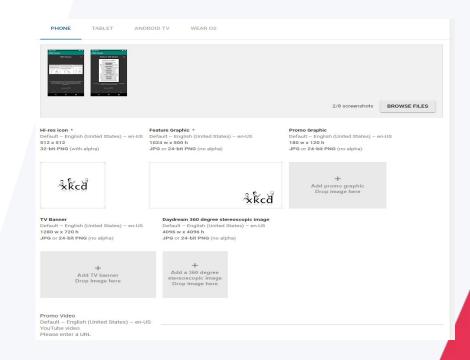
- 1. Screenshots
 - a. Taken on device or in emulator
- 2. High Res Icon
 - a. Can generate in androidassetstudio
- 3. Feature Graphic
 - a. Generated Independently
- 4. Additional Graphics and Video





Graphics Assets

- Screenshots
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Categorization and Content Rating

Application Type and Category

Content Rating

Questionnaire to determine rating





Pricing and Distribution

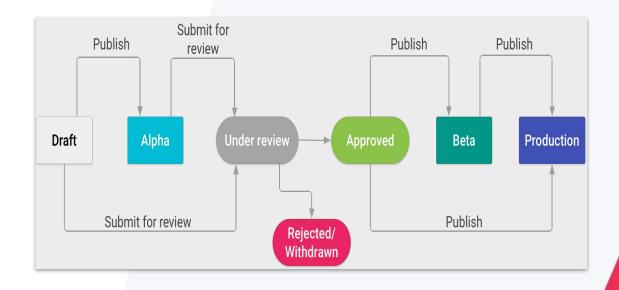
- Set price
- Set availability
- Additional details





Release Tracks

- Internal Test
- Alpha
- Beta
- Production





Specify Testers

- Select Track > Manage
- Specify users and how others can opt in
- List of emails or opt in link



Create Release

- Select and upload apk or bundle (aap) file
- Give release a name
 - Displayed to user
- Release Notes
- Save > Review



Start Rollout

- Click Start Rollout
- Create Release
- Release to Alpha

