

Apps Publishing


Step 1: Create a Google Developer account

- Do at the beginning of the [app development](#) process
 - Register a Google Developer Account to publish apps on the Play Market
 - Use any of current Google accounts or create another one to [sign up for a Google Developer Account](#)
 - A private or corporate account is fine
 - **Any app is transferable to another account**
- Creation process
 - Signing the Google Play Developer distribution agreement
 - Adding some personal information
 - Paying a **one-time** registration fee of **\$25**
 - Usually, it takes no more than two days to get approval from Google
 - Information can be add or updated later

The screenshot displays the Google Play Developer account creation interface. At the top, a progress bar shows four steps: 'Sign-in with your Google account', 'Accept Developer Agreement' (highlighted in blue), 'Pay Registration Fee', and 'Complete your Account details'. Below this, the 'YOU ARE SIGNED IN AS...' section shows a user profile icon and a message stating, 'This is the Google account that will be associated with your Developer Console. If you would like to use a different account, you can choose from the following options below. If you are an organization, consider registering a new Google account rather than using a personal account.' Two links are provided: 'Sign in with a different account' and 'Create a new Google account'. The 'BEFORE YOU CONTINUE...' section contains three items: 1) A document icon with the text 'Read and agree to the Google Play Developer distribution agreement.' and a checkbox labeled 'I agree and I am willing to associate my account registration with the Google Play Developer distribution agreement.' 2) A globe icon with the text 'Review the distribution countries where you can distribute and sell applications.' and a note: 'If you are planning to sell apps or in-app products, check if you can have a merchant account in your country.' 3) A dollar sign icon with the text '\$25' and the instruction: 'Make sure you have your credit card handy to pay the \$25 registration fee in the next step.' At the bottom, a blue button labeled 'Continue to payment' is visible.


Sign-in with your Google account **Accept Developer Agreement** Pay Registration Fee Complete your Account details

YOU ARE SIGNED IN AS...


 This is the Google account that will be associated with your Developer Console. If you would like to use a different account, you can choose from the following options below. If you are an organization, consider registering a new Google account rather than using a personal account.

[Sign in with a different account](#) [Create a new Google account](#)


BEFORE YOU CONTINUE...

 Read and agree to the [Google Play Developer distribution agreement](#).

☐ I agree and I am willing to associate my account registration with the Google Play Developer distribution agreement.

 Review the distribution countries where you can distribute and sell applications.

If you are planning to sell apps or in-app products, check if you can have a merchant account in your country.

 **\$25** Make sure you have your credit card handy to pay the \$25 registration fee in the next step.

[Continue to payment](#)

Step 2: Add a Merchant Account

- If you plan to sell paid apps or in-app purchases, you have to create a [Google Merchant Account](#)
 - You may need to provide additional information like a valid photo id (NID/Passport/ResidentCard/DrivingLicence/etc.)
 - **Why?**
- There you can manage app sales and your monthly payouts, as well as analyze sales reports
- Once you finish creating the Merchant profile, the developer account gets automatically linked to it
- **Note:** You don't need a merchant account for earning from ads
 - For monetizing from ads, you need
 - AdMob account to create and provide ads in your app
 - AdSense account for getting payments and accumulates payments from other platforms (i.e. website, youtube)
 - Payments from ads and sales/in-app purchase are paid by different transactions

Step 3: Prepare the Documents

- Paperwork always requires much effort, especially when it comes to any kind of legal documents
 - It is highly recommended starting to prepare the End User License Agreement (EULA) and Privacy Policy in advance
 - You can take the documents from similar apps as references and create your own based on them, or ask a lawyer to make everything from scratch.
- EULA is an agreement between you as an owner and a user of your product
- It contains:
 - What the users can do with the app, and what they aren't allowed to do
 - Licensing fees
 - Intellectual property information, etc.
 - Terms of Use or Terms and Conditions explain
 - What services you offer the users and how you expect them to behave in return
 - Though Google doesn't demand Terms of Use, it's better to publish them
- You can create one document, adding there Privacy Policy and Terms of Use chapters
- Pay special attention to include in the [Privacy Policy](#) the following information:
 - A complete list of personal data that is collected, processed and used through the app
 - Technical information that is collected about the device and the installed OS
 - Functional features of the app, its paid and free functionality
 - Place of registration of the company and/or location of the copyright holder of the application
- The chosen legal system and legislation that will be applied in resolving disputes and regulating legal relations
- The terms of subscription
 - Citizenship (residence) of the overwhelming majority of application users
 - Age criteria, the presence of specific content

Step 4: Study Google Developer Policies

- These documents explain how apps need to be developed, updated, and promoted to support the store's high-quality standards
- If Google decides that your product violates some policy chapters, it may be rejected, blocked, or even deleted from the Play Store
- Besides, numerous and repetitive violations may lead to the developer account termination
- **Read also:** [Why Google and Apple May Remove Your App and How to Deal With That](#)
- So study all the available information carefully about:
 - Restricted content definition
 - Store listing and promotion
 - Impersonation and intellectual property
 - Rules for monetization and ads
 - **Whatever is displayed in an ad is also consider as the content of your app**
 - Privacy, security and deception regulation
 - Spam and minimum functionality
- Google is constantly working on its policies, and it's important to monitor the changes and stay up to date even after your app is released

Step 5: Technical Requirements

- You went through the development process, endless testing, and bug fixing, and finally, the “X-day” comes.
- Before moving on to the upload process, you need to check the following things:
 - Unique Bundle ID
 - The package name should be suitable over the life of your application.
 - You cannot change it after the distribution. You can set the [package name](#) in the application's manifest file.
- Signed App Release With a Signing Certificate
 - Every application should be digitally [signed with a developer's certificate](#)
 - The certificate is used to identify the author of an app and can't be generated again
- The App Size
 - Google set the limit size of the uploaded file: 100MB for Android 2.3 and higher (API level 9-10, 14 and higher) and 50MB for lower Android versions.
 - If your app exceeds this limit, you can always switch to [APK Expansion Files](#).
- The File Format
 - Two possible release formats are accepted by Google: app bundle and .apk. However, .aab is the preferred one. To use this format, you need to [enroll in app signing](#) by Google Play.
- You may learn more about app file technical requirements in the Developer Documents, [Prepare for the release guide](#).

Step 6: Creating the App on the Google Console

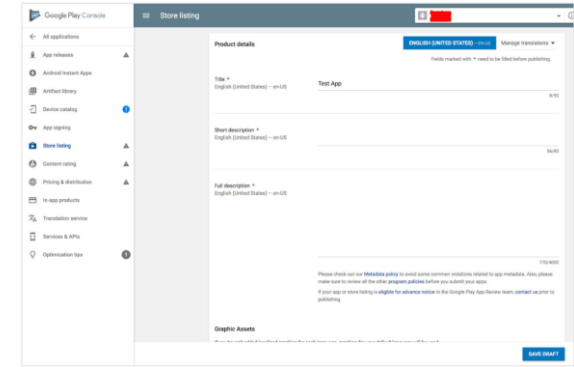
- Now you have the file that is ready for uploading. It's time to get to the fun part.
- select *Create Application* from the app developer console
- Choose the app's default language from the drop-down menu
- Add a brief app description (you can change it later)
- Tap on *Create*
- After this, you will be taken to the store entry page, where we will add the complete data about the app.

Publish an App

- There are few things that you need to provide with your application while publishing it
- Such as:
 - ✓ Listing details
 - ✓ Store Graphics
 - ✓ Screenshots (Minimum 2/3)
 - ✓ Videos (Optional)

Step 7: Store Listing

- **App Name** :- Give suitable app name for your application.
- **App Description** :- Write suitable description for your app, not exceeding 4000 characters.
- **Category** :- It is required that you select an appropriate main category for your application
 - You can add another four categories as well (used for indexing)
- **Application Type** :- It is also required that you set a category for your application. This could be either set **as application or game**
- **Organization Name** :- It is also required that you mention the name of organization while filling up the details.
- **Support information** :- This includes URL , Email, Phone number etc.



Google Play Console - Store listing

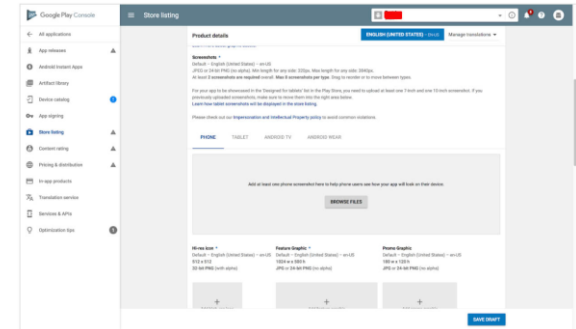
Product details

Test App

Short description

Full description

Graphics Assets



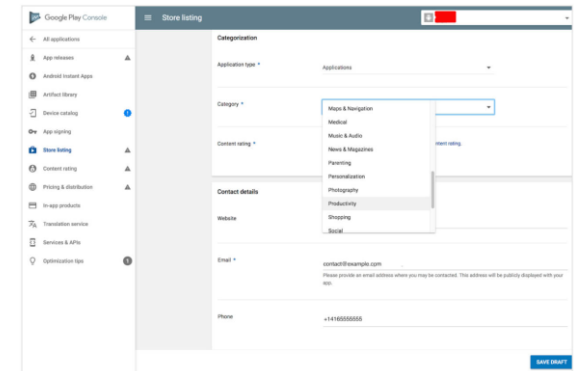
Google Play Console - Store listing

Screenshots

Phone

Tablet

Android TV



Google Play Console - Store listing

Categorization

Application type

Category

Contact details

Website

Email

Phone

Store Graphics

- **App Icon**
 - ✓ 512 x 512 px
 - ✓ 32-bit PNG
 - ✓ Max size 1024KB
 - ✓ Transparency allowed
- **Feature graphic** This is also optional but is required to get your app featured anywhere. This image has the following constraints
 - ✓ 1024 x 500 px
 - ✓ 24-bit PNG
 - ✓ **No Transparency**

Screenshots

- Screenshots are important because people will see screenshot before installing app on phone. So it must convey your main functionality.
- **Constraints for the screenshots** are
 - ✓ 5/6 additional optional
 - ✓ 480 x 800 px, or 480 x 854 px
 - ✓ 72dpi, RGB, flattened
 - ✓ No transparency
 - ✓ High quality JPEG or 24-bit PNG
 - ✓ No borders
 - ✓ Can show status bar

Video (Optional)

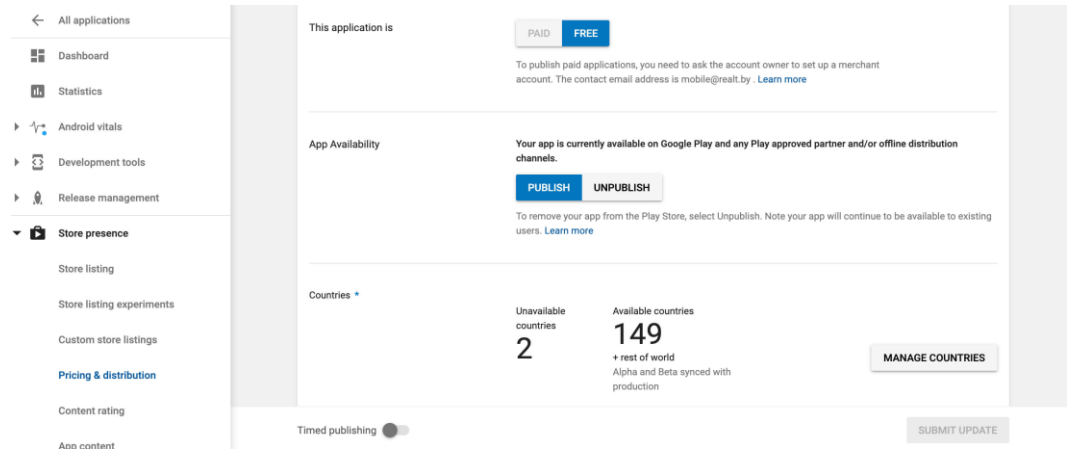
- Finally you can even show how your app works through a video
- This can greatly increase the chances of popularity of your app as the viewer can get synopses of your application
- Google recommends the length of the video to be anything between 30 seconds to 2 minutes

Step 8: Content Rating

- In order not to be marked as an Unrated App (that may lead to app removal), pass a rating questionnaire.
 - You can easily find this section on the left-side menu.
- The information provided in the questionnaire must be accurate.
- Any misrepresentation of your app's content might lead to suspension or removal of the Play Store account.
- Click on *Save Questionnaire* once you complete the survey
- Click on *Calculate Rating*
- In the end, click on *Apply Rating* to confirm the rating and move forward with the pricing & distribution plan

Step 9: Pricing the Application

- In the *Pricing and distribution* section, you need to fill the following information:
 - Whether your app is free or paid
 - Where the app will be available (just choose the countries from the list)
 - Whether your app will be available only on the specific devices
 - Whether the app has sensitive content and is not suitable for children under the age of 13
 - Whether your app contains ads
- Remember that you can change your paid app to a free one later, but you cannot do the vice versa. If you decide later that you want to distribute it for money, you'll have to create another app.



Step 10: Upload APK/AAB and Send for Review

- Finally, you are ready to upload your app file.
- Go to the *App Releases* section on the left panel
 - Three options for publishing the app: Production, Beta and Alpha tracks.
- The Alpha version assumes closed testing and is available only to those who you invite as testers
- The Beta version means that anyone can join your testing program and send feedback to you.
- Recommended starting with [Alpha or Beta versions](#)
 - After passing the review process, your app will not be available to everyone on the Play Store.

Google Play Console

App releases

Version code

98 REMOVE

Release name

Name to identify release in the Play Console only, such as an internal code name or build version.

1.0.0 5/50

Suggested name is based on version name of first APK added to this release.

What's new in this release?

Release notes translated in 0 languages

Enter the release notes for each language within the relevant tags or copy the template for offline editing. Release notes for each language should be within the 500 character limit.

<en-US>

</en-US>

1 language translation entered: en-US

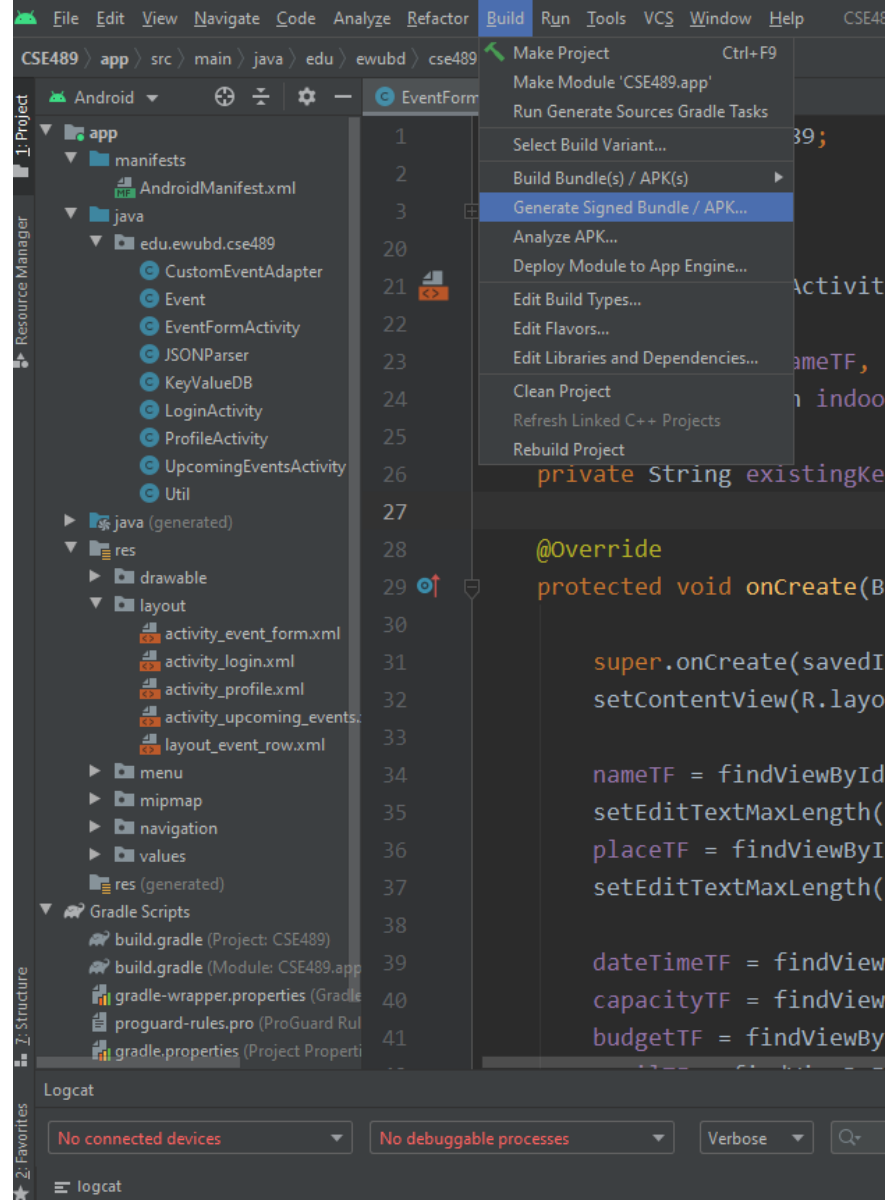
DISCARD SAVED REVIEW

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Final Check

- Apart from this you need to set some other parameters as well. Like
 - ✓ Size- the size of the app should not exceed 50 Mb
 - ✓ Pricing- you need to decide whether your app should be free or priced.
 - ✓ **Country distribution**- you get to decide which country or territories your app should be distributed.
 - ✓ **Rating**- This is the maturity rating required of your app. You can set it as everyone, low maturity, medium maturity, high maturity.
- **At least once you need to read Google play store policies** ☐
- This APK is then uploaded. This includes
 - ✓ Optimization
 - ✓ Building
 - ✓ signing with your release key
 - ✓ Final testing.
- **All this and you are good to go.**

Exporting APK from Android Studio



File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help CSE489 - EventFormActivity.java [CSE489.app] - Android Studio - Administrator

CSE489 app src main java edu ewubd cse489 EventFormActivity

Android EventFormActivity.java

1 package edu.ewubd.cse489;
2
3 import ...
20
21 public class EventFormActivity extends Activity {
22
23 private EditText nameTF, placeTF, dateTimeTF, capacityTF, budgetTF, emailTF, phoneTF, descri
24 private RadioButton indoorRB, outdoorRB, onlineRB;
25
26
27
28 @Ove
29 prot
30
31
32
33
34
35
36
37
38
39
40 capacityTF = findViewById(R.id.etCapacity);
41 budgetTF = findViewById(R.id.etBudget);

Generate Signed Bundle or APK

☐ Android App Bundle

Generate a signed app bundle for upload to app stores for the following benefits:

- Smaller download size
- On-demand app features
- Asset-only modules

[Learn more](#)

☒ APK

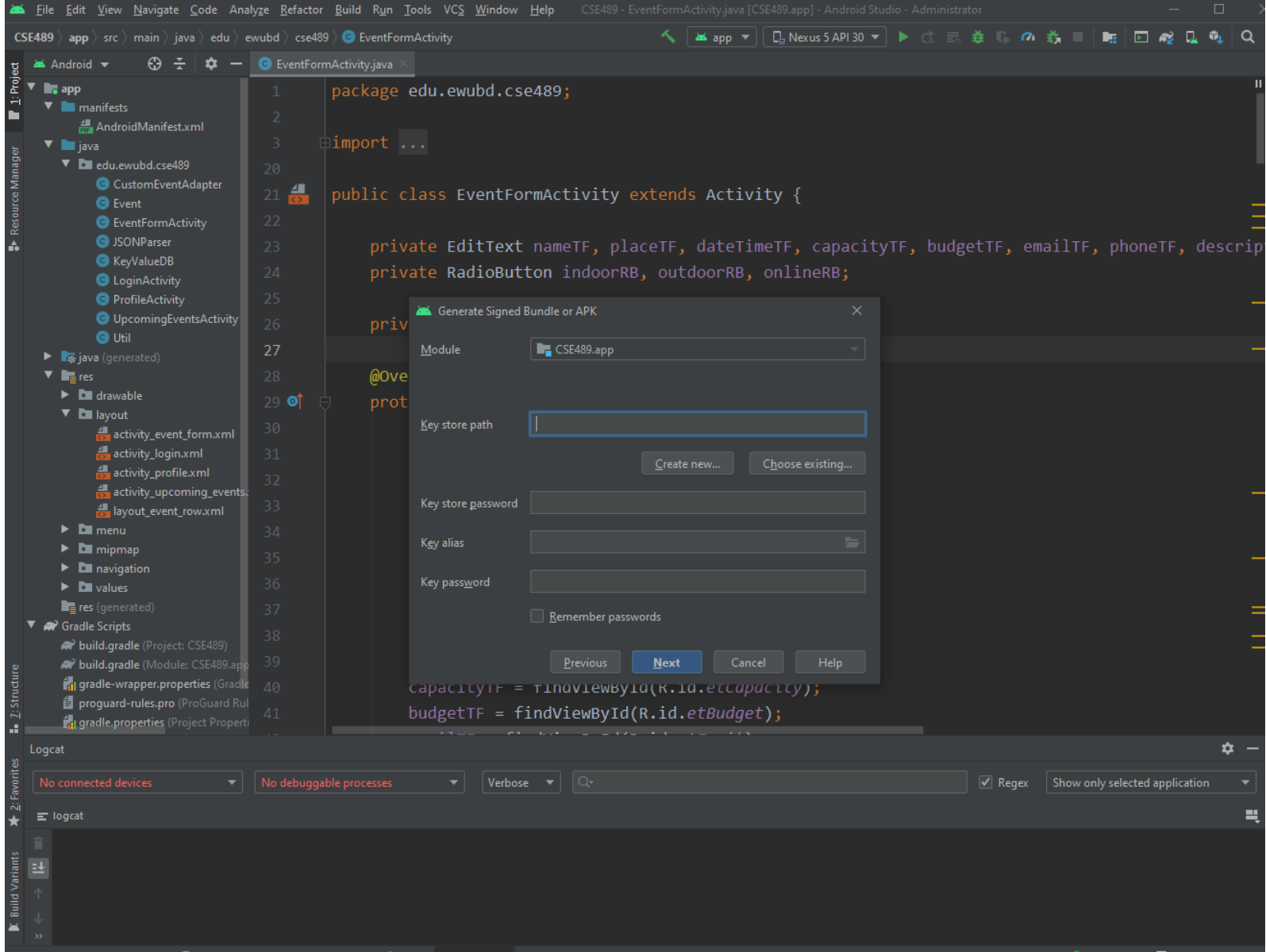
Build a signed APK that you can deploy to a device

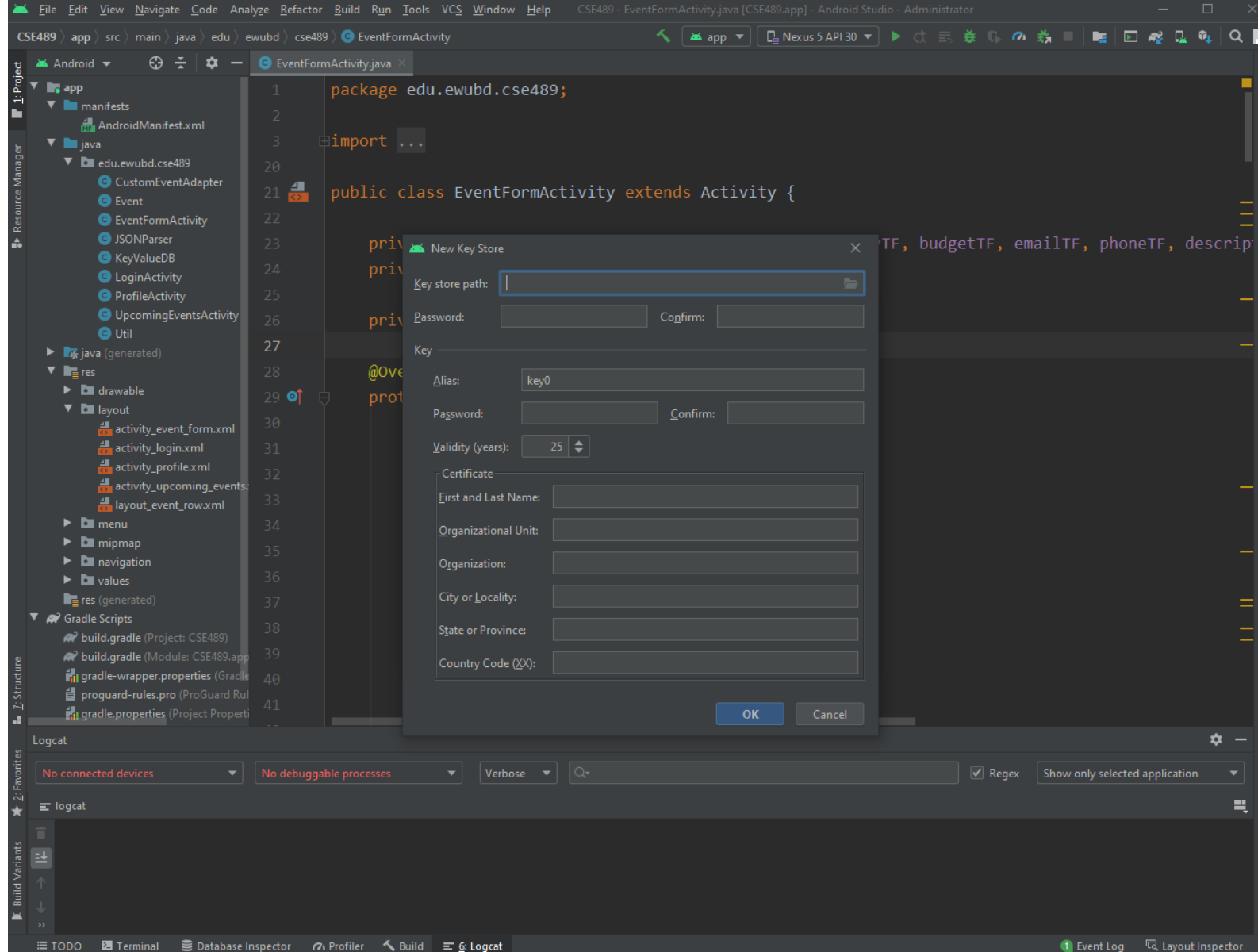
Previous Next Cancel Help

Logcat

No connected devices No debuggable processes Verbose Regexp Show only selected application

logcat





END