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Chapter 1 : Printing files | Android Developers

After you have Google Cloud Print, you don't have to run the app itself in order to print from Android; think of it like an add-on to your phone software. It's convenient once you get the hang.

However, having a set at your disposal is quite essential as you never know when you might need one. So why should we spend a bomb on getting our simple passport photos printed? But thanks to the helpful developers out there, we now have a myriad of Android apps that help us understand the basic concepts of passport photos, and also get it done within a matter of few minutes. But given the versatility of the Android platform, there are quite a lot of apps out there that serve the same purpose. Thankfully, we have you covered as we have picked five of the best apps to capture your passport photos. It is capable of cropping photos for passports, VISA applications, and license of almost every country in the world. The developers also offer a pro version, which will offer photography tips, ink saver for printing , and background removal. This basically means that you get a pretty barebones experience with the default version. The fact that it has received a consistent 4-star rating tells me that the app is highly rated by the customers who downloaded it. The app is compatible with devices running Android 4. Passport Size Photo Maker Since most of the apps serve almost the same purpose here, some of the features are expected to be common. This particular app supports passport and VISA formats from almost countries, thus covering almost the entirety of the globe. The idea behind using an app like this is to help you save some money on printing costs, which will otherwise set you back by quite a much. Once you have the picture you like, you can simply take it over to your neighborhood pharmacy or outlets like Walgreens, CVS, or Kinkos to have your pictures printed. In addition to taking fresh photos, you can also choose pictures from your gallery. The app comes with auto-editing tools to create the necessary passport photos. The app basically uses a handful of preset tools to make sure the photos are adjusted accordingly as per the regulations set by the authorities. Ease of use and convenience is paramount for apps like these as the idea basically is to simplify the experience. This is a free app but comes with ads on board. The app has seen nearly , installs already and has received a healthy rating of 4. It is compatible with devices running Android 4. ID Photo Free In line with the other apps on this list, the app basically lets you get suitable photos for your passport or any other official identification form. The app will guide you through the process of getting the right picture that is suitable for all official forms. Naturally, there are some handy photo editing tools available here, allowing you to adjust the gray scale and other aspects of a photograph. The app also has a handful of templates on board suitable for practically any country. This is quite crucial since not all countries have the same format for photographs. So you have a handful of options to get the desired pictures edited with this app. There are no in-app purchases on board, although users will have to deal with ads on a regular basis. Barring these tiny caveats, this particular application is well worth your attention. The app is compatible with devices running Android 2. Be sure to check it out from the Google Play Store right away. Passport Photo Booth This is a slightly modern app and comes with comprehensive tools and editing features on board. However, it would save you a lot of money to simply head down to the pharmacy and get your prints. The app can be used to capture photos for any of the common identification such as government IDs, job applications or even standard VISA applications, so any user from around the world can use this particular application to get the desired photographs printed. This is what works for most official applications and even passport photos. There are no in-app purchases here, so what you see is what you get. The app is compatible with devices running Android 5. The app can be used on a global scale thanks to the kind of features it offers by default. Customers have given the app pretty decent ratings as well, so you can download it without any worry. Passport Photo ID Studio This is yet another alternative to the four apps that we have already spoken about and it comes with extensive editing features to give you the best results. The developers mention that all you need is a plain white background along with enough lighting to get the best photographs. And this rule applies to any official photo that you plan to take, be it for passports, VISAS, or any other government application. The app covers photo formats of over countries, so practically every major country should be covered here. The devs are adding more countries along the way, so if you find that your region is missing, be

sure that the team is working hard to include your region too. The last update that the app received was all the way back in August , which is almost two years ago. However, the developers have made sure that they include all the vital countries in the list with the last update. This is a free app from the Play Store right now. However, you will have to make do with the occasional ads during your usage. It is compatible with devices running Android 2.

Chapter 2 : Top 14 Android Printing Apps

Print, scan, and share documents with the press of a button. The app makes it easy to configure your job to match your needs, down to selecting paper size, type, weight, and the number of copies.

Some examples some shown below: Zebra developed the new SDKs with the objective to make easy for developers to implement the layers concept. The image below indicates how the associations are made. PrintType selector in the SDK basically will define the layer. Depending on the ribbon, you can define how many layers for each card face can be printed. The steps to build the new app include: Dynamically add three different images that the user will select from the device or a picture taken with the camera of the device. Once implemented the logic, the developers played with the code and added up to 6 layers to the cards, so they created their own versions of code to print 3 layers for the front side, and 3 layers for the back side of the cards. Take in mind that the number of layers to be used depending upon the type of ribbon used. Not all printers support double-sided printing. ZC by default does not support double-sided printing. A kit to update will be needed to support double-sided printing. There are different paths to do this. We selected the option below as we thought it is the simplest. The first step is developing a simple way to dynamically introduce the three images to the app, so the app can use them as layers. To implement this logic, we will be creating a simple string array of three images, and it will be transferred between activities. In main Activity, we will be using a simple counter, and our new String array. On buttonCardUsb, do not forget to add a conditional statement to avoid a null pointer error. For that, we will be modifying our PrintCardHelper class as the image below shows. This blog was intended to familiarize you with the usage of layers with ZC card printers in Android. However, now you can replicate these concepts either in C or Java. If you want to practice, you can do that with the initial code provided. Please refer to the first blog to understand the blog series sequence, and do the modifications by downloading the sample code on this GitHub link.

Print directly from Android phone or tablet to almost any printer! Print photos, emails, documents (including PDF, Microsoft® Word, Excel®, PowerPoint® and other files), bills, invoices, messages, web pages and more.

Why should I care about fingerprint authentication? Touching your fingertip to a sensor is far easier than entering a PIN, pattern or password, making fingerprint authentication an effective way of striking a balance between keeping your users safe and providing a frictionless user experience. Most of us have a long list of passwords we need to remember on a day-to-day basis. Fingerprint authentication can provide your users with all the security of a password, without actually adding to the list of passwords they need to remember on a day-to-day basis. No more struggling with mobile keyboards. Fingerprint authentication gives users a way of confirming their identity without them having to go anywhere near the mobile keyboard. No more annoying password recovery or reset. Your fingerprint is unique and impossible to guess. Open Android Studio and create a new project. This ensures your app is never installed on a device running a version of Android that pre-dates fingerprint authentication. You can declare that your app requires a touch sensor in order to function, by adding the following to your Manifest: If your app can function without a fingerprint sensor then you should mark the touch sensor as preferred, but not required: If you do opt for this approach, then your app will need to check for the presence of a touch sensor at runtime and then disable its fingerprint authentication features, where appropriate. Certain permissions make implicit hardware requests, for example if you add the android. The device is running Android 6. The device features a fingerprint sensor. If you marked android. The user has granted your app permission to access the fingerprint sensor. The user has protected their lockscreen. The user has registered at least one fingerprint on their device. You may also want to provide the user with an alternative method of confirming their identity, for example by giving them the option to create a password and username. Gain access to the Android keystore, by generating a Keystore instance. The Android keystore allows you to store cryptographic keys in a way that makes them more difficult to extract from the device. The keystore also restricts how and when each key can be used. To create that fingerprint authentication effect, you just need to specify that the user has to authenticate their identity with a fingerprint every time the want to use this key. Use the Cipher instance to create an encrypted CryptoObject instance. Assign the CryptoObject to the instantiated FingerprintManager. The second half of our MainActivity file looks like this: This class will be responsible for triggering the authentication method and processing the various callback events that can occur depending on whether the authentication has succeeded, failed, or an error has occurred. Create a new FingerprintHandler. M public class FingerprintHandler extends FingerprintManager. First, make sure your Android smartphone or tablet is configured to support fingerprint authentication by securing your lockscreen with a PIN, password or pattern and then registering at least one fingerprint on your device. The app will then display various toasts depending on whether the authentication succeeds, fails, or an error has occurred. Spend some time making sure the app is reacting to each event correctly. My command looks like this: When the AVD prompts you to place your finger against the sensor, fake a fingerprint touch event by typing the following command into your Terminal window: However, you can also use the v4 support library , which provides compatibility version of many of the fingerprint classes introduced in Marshmallow. Provide alternate methods of authentication. If the device cannot support finger authentication, then explain why. Provide the user with plenty of feedback. Make it clear that your app supports fingerprint authentication. If you have any plans to use fingerprint authentication in your projects, then let us know in the comments!

Chapter 4 : How to add fingerprint authentication to your Android app - Android Authority

Print, scan, and share directly from your Android phone or tablet. Print photos, emails, webpages and files including MicrosoftÂ® Word, ExcelÂ®, PowerPointÂ® and PDF documents. Also supports Box, Dropbox, EvernoteÂ®*1, Google Driveâ„¢ and Microsoft OneDriveâ„¢.

You can not get many advantages from your smartphone. You can print from your android phone and tablet. In this tutorial, we will describe you how to print from your Android phone or tablet. Google has published a cloud printing application that works with printers connected either to wirelesss network or to a computer via USB. Tap on the search option. Now tap on the Search button. Tap on Cloud Print by Google Inc. And now tap on Install option. How to print from your Android phone or tablet If you want to print by using google cloud print app you need to activate google account on your phone or tablet. Check out below instruction to print from phone and tablet. How to print a local file from an Android phone or tablet Open your file that you want to print. You can also open files from stored on cloud service example google drive and Dropbox. Now tab on the menu icon in the right top corner of your phone or tablet screen. Tap on print option. Tap on the printer you like to print. Finally, tap on the print button. It looks like a printer icon. How to print a file from the internet on an Android phone or tablet Tap on the menu button in the right corner of your Android or tablet screen. The menu button may look different depending on your browser that you using. Printers compatible with Google Cloud Print Most printers are able to works with google cloud print. There are some have is not working. You can check out details on google cloud web page. There are much company have created some awesome printing app for phone and tablet. Just go to google play store and search printing app. Then download the best printing app, open it, choose your document that you want to print from your phone internal storage or cloud storage and print it. Does it work for you? Are you a user of google cloud print? How you file to using this app? Are you facing any problem? Please feel free to comment here.

Chapter 5 : Use the Google Cloud Print app for Android - Google Cloud Print Help

Printing on Android used to mean installing the janky Google Cloud Print app, then "sharing" whatever it is you're trying to print with that app. It was a really roundabout and not-at-all-intuitive way to go about printing things from mobile.

By clicking the button, I agree to the privacy policy and to hear about offers or services. Skip and Download Start your free trial! Thanks for choosing a trial of PDFelement. The download should begin automatically. Please enter the required information and try again. In offices smartphones gave some ease of access by sending emails, data storage management via office tools and some meetings through video calling, etc. So what can be the easier and more important office tool than a smartphone? Android also introduces some PDF Printers for Android which can give you the printing facilities for your emails, documents, contacts, photos, web pages, spreadsheet and even presentation files from you smartphone. The availability, compatibility and workability with your Android device and its Android version. The printer needs to be wireless and should be compatible with the Android device command. The price and scores set by the reviewers. The file formats that you need to print. Which types of files are available for printing? There are wide ranges of file formats like below: It can easily get the command for your printer to work directly without any cloud base system like the other apps. You can get more scan options like Bonjour etc. It allows you to scan a QR code and prints those documents. It gives you the sending and sharing options to print it from another Android device. Easy to handle and understand. Instantly ready to print and available to share and send document. It works a little bit slowly. A series of different wireless connection like Wi-Fi, internet, Bluetooth or USB can be used for printing your documents. It is also preferable in Android 4. It gives the option for controlling paper size, orientation, page range, number of copies, duplex printing, quality printing or colour. The free version allows testing a page for compatibility insurance, print via Google Cloud Print or 20 pages over the internet and save files in PDF. It provides a large range of printer compatibility. Random printing from a nearby device or over through internet. No computer is needed for printing in premium version. More printing options are available. Only colour printing is available in some HP printers. Free version can be a bad experience. Some paper sizes like letter, legal, ledger may not be compatible to print. It works better for printing via Google Cloud Print. It is a much easier way for printing your documents and emails attachments. It is better for Android version of V2. It can print from any printer which is connected to Google Cloud Print. It allows sharing photos and documents from the device to Google cloud easily. Your printing logs are available Pros: It makes an easier way for cloud printing. Sharing and history of printing give you more privileges. PDF files are better for printing. Printing job submission fails often. Not all Android devices are compatible. But it is not a free app at all. You need to purchase it after 20 trials, and you are not encouraged to purchase when your printer is not compatible in trial mode. It allows printing from various network printers connected to Windows PC. You can get a network printer searched by IP address or automatically. It gives a setup guide for printing and allows cutting or copying from different sources like emails, contacts or calendars of gallery, browser or other apps. Multiple language and different file formats are available to print by iCanPrint. It provides a wide range of language preferences. A lot of file formats are compatible to print. It gives an easy way for PDF printing. Sometimes wireless printers are not found. PrintBot PrintBot is a good and popular network printer app for Android, and the publisher of this app is zenofx. It allows you to print directly from the phone with Wi-Fi network. It gives an extra feature for auto scanning for your printers. Free version of this app will lead you to print 3 photos or PDFs of 3 pages per month. Pro version will allow unlimited printing options and more printing profiles. WebPages are allowed to print in the pro version. The most numbers of printers are compatible with this Android app. The feature for duplex printing is not available. The demo version limits the printing. It supports three system and you can switch among the 3 platforms easily. It is always a great PDF printer, you can either print your files by opening your file in the program and perform the "Print" function, or you can just open the file you want to print and choose Wondershare PDFelement as the printer. It will provide you the easiest way and best quality. It is also a great document protector, and you can add password, redaction area and permission to the file and contents you want to protect from being seen by others.

Chapter 6 : Everything You Need to Know About Printing From Your Android Phone or Tablet

StarPrint is an Android Print App that can print directly to more than printer models, via USB, Bluetooth, or Wi-Fi. This is also the app for office that can read most of document formats such as txt, pdf, web, MS Office, Open Office, and pictures files.

Summerson September 22, , It was a really roundabout and not-at-all-intuitive way to go about printing things from mobile. Gmail, Google Docs, photos, and so on. So, while printing on Android has gotten significantly easier over the past few years, there are still some things to be aware of. To check your printer situation, first pull down the notification shade and hit the cog icon. On some devices, like anything running stock Android, you may need to pull it twice. This will get you into the Settings menu. Now, this is where things can get hairy: Tap that guy and be thankful for the search tool. It just saved you a lot of hassle. For example, Cloud Print should be there regardless of which type of device you have. Regardless of how many options are listed here, the result is still the same: Like I said earlier, only some apps support printing. From there, the Cloud Print app will open, with your default printer pre-selected. You can change things like the number of copies to print, paper size and orientation, and color. To modify those settings, just tap the little arrow at the bottom of the print header. If you have multiple printers installed, you can select from the list by tapping the printer name at the top of the header. A list of everything installed or available to the print service will show up here, including all available printers. For that kind of thing, PDFs are great. And printing to PDF is stupid-easy on Android. Select the print option outlined in the above section, then tap the drop-down menu with all of your available printer options. There should be at least a couple of options for saving the file as a PDF: If you choose to save the PDF to Drive, the print window will just close and appear to do nothing. Print to Specific Brands of Printer Many popular printer brands will also offer a companion app for their hardware, allowing you to access more advanced functionality. The best thing to do in this case is just jump into the Play Store and search for your specific brand of printer. Or, you may have a wireless printer that connects over Bluetooth. Google recommends setting up Cloud Print on a PC connected to such a printer. If you want to print to such a printer directly, you will have to use a third-party app. Luckily, you can print test documents with the free app to test if your printer configuration is supported. Printing on Android has come a long way, and the odds of having exactly what you need at your fingertips are pretty good at this point.

Chapter 7 : Printer Apps for Android - Printing From Smartphones

How to Print from Android. In this Article: Printing with Google Cloud Print Printing with Wi-Fi Enabled Printers Printing with Dropbox Community Q&A Android tablets and phones can open and read documents, with the help of several Google and third-party applications.

Check the Android device, printer, and network status Make sure your Android device, printer, and network are working correctly and ready for printing. Confirm your Android device is connected to the network: On your Android device, open the Wi-Fi settings and make sure your device is connected to the network you want to connect the printer to. Confirm that the printer is on and connected to the network: The printer might be in sleep mode, power saving mode, or turned off. Touch or press a button on the printer control panel to wake the printer. To confirm your printer connection, select your connection type. On the printer, make sure the light next to the Wireless icon is either on and steady, or blinking. If the wireless light is not on or blinking, press the Wireless button, or open the Wireless network or Settings menu to make sure the wireless signal is turned on. Check that the cable is connected to the printer Ethernet port and to an available port on the router. The green link light should be steady, and the orange activity light should blink when the cable is connected. Make sure the app you are trying to print from supports the option to print. Look for a Print icon to confirm the app supports printing. Move the printer and router closer together: Move the printer and your Android device closer to your wireless router, but no closer than 6 ft 1. Wireless signals can be weaker at greater distances between the printer and the router. Check the router band: Many routers can operate in both 2. Make sure the 2. If the router broadcasts separate network names SSIDs for each band, connect the printer to the 2. If the issue persists, continue to the next step. On your Android device, tap the Settings icon , and the select Apps or Applications. Select Show System Apps. Scroll down the list, and then select Print Spooler. Depending on your Android device, tap Storage, and then select Print Spooler. Select Clear Cache and Clear Data. Open the item you want to print, tap the menu icon , and then tap Print. A print preview screen displays. Next to Select a printer, tap the down arrow to view the printer list, and then select your printer. If you can print, you can stop troubleshooting. If you cannot print, turn off and then turn on your Android device. Restarting your Android device might clear the error. When you try to select your printer, the printer is not listed or unavailable grayed out. Resetting and clearing the Print Spooler cache can resolve the issue. It is normal for a printer to be unavailable when both the printer and Android device are not on the same network. For example, your home printer might be unavailable when you are at work. If you can select your printer, you can stop troubleshooting. If you cannot select your printer, turn off and then turn on your Android device, and then try to print again. Yes, depending on whether the USB cable is connected to your Android device or your computer. If your printer is connected to your computer with a USB cable only, printing from your Android device does not work. If you want to use a USB connection for a computer and also print over a network from your Android device, you can connect the printer through USB and to your network at the same time. When the plugin does not detect a printer you know is connected to the same network as your Android device or supports Wi-Fi Direct, you can add the printer manually. You can also remove a printer. Select a method for adding ore removing your printer. Gather the following items:

Chapter 8 : Download Print to network printer applications - Android - Appszoom

How to print from Android with an app or Google Cloud Print, and a compatible printer You can carry the entire Internet in your pocket, but you still sometimes need to put something on paper.

They can do everything from storing music to handling massive Word documents. Another great feature is the ability to print from Andriod phone or tablet devices. Best mobile printers of In fact, Google has created a way to link your printer with your Chrome account and your phone to move and print with ease. Connecting to Google Cloud Print While most printers are capable of printing through Bluetooth, Wi-Fi, or another quick method, not everyone has a printer that supports this. And some just like the idea of running it all through the cloud. By registering your printer, you can connect it to the internet. From there, you can operate it from anywhere so long as you have a good connection. You can then print from Android phone or tablet devices. Bear in mind that while most printers are capable of working through Google Cloud Print, there are some that cannot. To save you the trouble of trial and error, Google compiled a list of printers that work with Cloud Print. Launch Google Chrome on your computer. Scroll down to the Google Cloud Print section and click Manage. Download the app and follow its installation instructions. Best printer apps for Android AndroidApps. Make sure, however, that the Google account linked with your phone is the same account that you used on Google Chrome in the previous step. Select the printer you want print from. Open Gmail or Google Chrome. A list of options will drop down. This will take you straight to the printing page, where you can select the right printer. Does it work for you? Are you a proud user of Google Cloud Print? What is your experience with it like? Is printing from Android something you find useful? Let us know in the comments! But with so many devices out there, how can you make sure â€¦.

Chapter 9 : Community: Blog Series: Android App to Print D | Zebra Technologies Developer Portal

If you want to print by using google cloud print app you need to activate google account on your phone or tablet. Check out below instruction to print from phone and tablet. How to print a local file from an Android phone or tablet.