

Chapter 1 : Book scanning - Wikipedia

A book that has small fonts is a good candidate for scanning, but do not crop your scans and reduce the margins (for example, because you want to make the book more readable) because margins serve a purpose. Margins are like a frame on a picture, and a page looks better with margins.

Photos, Documents and More Sure, a dedicated scanner is still great to have if you frequently need to scan a large handful of documents, but using your phone also works great if you only have a couple documents to scan every now and then. When you are ready to scan your document, fill up the screen with the document as much as you can and tap the blue capture button. You can also shed a little light on the document by tapping the flash icon next to the capture button if your device has a flash. After you scan the document, a preview of it will immediately appear. This is where the crop tool comes into play. Tap on it to make cropping adjustments. Tap, hold, and drag on the dots to change the area that is scanned and uploaded—you likely only need to mess with the corner dots for this. Once finished, tap on the checkmark in the lower-right corner of the screen. Tap the plus icon to add more pages to the document. Tap the checkmark icon to finish and upload the document to Google Drive. Or, if you move to a desktop computer, you can even convert that scanned PDF into a document which you can then edit or export to Microsoft Word. So if you want something a bit more robust, we recommend Scanner Pro. Once you have the app downloaded and installed, open it up and tap on the plus button down in the bottom-right corner of the screen. Fill the screen with your document that you want scanned. As you do this, a blue box will highlight the document to intelligently mark the borders of the paper. Once the document is ready to be scanned, the app will either scan it automatically or you may have to press the capture button at the bottom. This is based on whether or not you have it set to Manual or Auto, which can be accessed by tapping on the relevant setting in the top-right corner of the screen. If not, tap on the arrow in the bottom-right corner to finalize the scanned document. At this point, you can save the document to any number of cloud storage services or email it someone or yourself. Below that is where you can share the document, either by emailing it, saving it to your photos, faxing it, or saving it to a number of different cloud storage services like Google Drive and Dropbox. From that same ellipses menu, you can also perform an OCR scan of the document and copy all of the text that it recognizes into a word document if you want.

Chapter 2 : How to Scan a Book With a Digital Camera: 6 Steps (with Pictures)

If you have a lot of data that needs to be read from a document, a forms processing application is more appropriate for the task than one designed for document scanning. As mentioned previously, the quality of the OCR engine can make a big difference in how accurately a document can be read.

What is a Document Scanner? A document scanner is a scanner with an Automatic Document Feeder ADF , designed to take stacks of paper documents and scan them automatically. What do you get for your extra money? The faster the scanner, the less time it takes to scan huge volumes of paper. Time is always the biggest cost in large scanning projects. Time is the most valuable thing in life, next to money, which time also is. So you want a fast scanner. Other than speed, you need to consider whether you have special requirements like portability, color detection, imprinting and other specialty features. Virtual ReScan or VRS is included with many scanners and can make the image quality much more reliable while simplifying the settings interface. However, many scanners without VRS have equally good image enhancement software built in. ScanStore has a handy scanners guide that has more information on scanner features and how to select the best scanner for your requirements. How do you Scan Documents? The real first step is planning. First you have to get the documents ready. That means pulling any staples and paperclips, taping down loose edges, post-its, small documents and anything else that might get stuck in the document feeder. If you only have a few documents to scan, you can use free applications or the software that comes bundled with your scanner. Most scanners come with basic scanning software, and you can also use our SimpleView Freeware scanning and document viewing application. However if you have hundreds or thousands of documents to scan, you should invest in business-class scanning software like SimpleIndex. In some cases you will need to insert barcode separator sheets to indicate the start of each new document. You take these very neatly stacked piles of paper and feed them into the scanner. The neater the stacks, the less you have to open the thing up and pull out little bits of paper and staples, and generally makes for a more pleasant and swear-free work environment. Depending on the program it could require a little interaction or a lot to start scanning to the right place with the correct scanner settings. Most free programs will require you to use a "Save As" style dialog to scan and save files one at a time. Though improved scanner quality, image enhancement tools like Virtual ReScan and color scanning have greatly lessened this concern, the person working the scanner should know what the correct settings are for different types of documents, how to set them and how to adjust them to make very light or very dark images legible. The next step is for the scanned images to be processed. This means enhancing the image by straightening it, adjusting the color, cropping borders, removing hole punch mark--there are a variety of ways to improve the quality of scanned images. This not only makes them more readable to you, but also makes the next step more efficient Either from the text or from those barcodes you put between them in the first step. Remember those exceptions from the previous sentence? Now you have to handle those. Depending on the quality of the originals, the scanner and the recognition software, you could have a lot of exceptions to deal with or very few. In any case these will need to be reviewed by a human and have the missing data typed in. Once all the exceptions have been dealt with, the images are exported to the document repository. This can be a network share, cloud service, SharePoint server, document management system , custom database or a variety of business applications that support attaching digital files. How do you Find and View Scanned Documents? When your images are saved in one of the aforementioned document repositories, they need to have relevant keywords and data associated with them so they can be organized and found later when you need them. The most basic way to do this is using folders and filenames on your hard drive. More advanced document mangement solutions will let you assign specific labels to each document such as name, date, reference numbers and any other information you might want to use to find each file. They can also include integrated viewers, storage systems, security and records management functions. So before you begin choosing a scanning solution, you need to think about what type of document repository you need and what information you will use to label and organize those file in that repository. Some things to consider when selecting a document repository are: Who needs access to the documents? People on the office network,

or people around the country or worldwide? Authorized users only or the general public? What information technology resources are available to support this solution? What is your budget? What searching capabilities do you need? What are the security, privacy or legal concerns of this application? When deciding what data you want to use to find your documents, consider these questions: How do people currently find this document? What information do they know about this file before they start looking for it? Is the data printed on the page somewhere? Is this data available in an existing database, Excel spreadsheet or XML file? Are you creating these documents yourself? Can you add a barcode with the data you need somewhere on it? Do you need to be able to search the contents of the document? Do I need to be able to search on this value so badly that someone has to type it in on every document? If you already have the data you can associate it with scanned images automatically without having to retype it. If the data is on the document as text or a barcode, it can be read from the image automatically with the right software. This process is discussed in detail in the next section. These are the biggest cost of any scanning project, so automating these processes is the key to keeping the overall cost low. Prepare the documents for scanning remove staples, insert separators, etc. Feeding the documents through the scanner Assigning keyword indexes to the documents so they can be found later The first two steps are physical. They are only made more efficient by good ergonomics and a faster scanner. The third step is done in software, either by typing or by reading the necessary data from the document itself. Types of OCR Software.

Chapter 3 : How to Scan a Picture on an All-in-One Printer | It Still Works

To scan from a book, hold the book down with the lid gently -- you want to flatten the pages as much as possible, but don't smash the lid down, which could damage the lid's hinges or the book's spine.

How to Scan a Document on an All-in-One Printer by Aaron Parson The steps to scan a picture or document on an all-in-one printer vary from machine to machine and can change according to which software you use, but the process boils down to two main steps. Load the Document To start, place your document face down on the scanning bed. Position it in the upper left corner of the glass and close the lid slowly, as not to disturb the paper. Some all-in-ones also have a paper feed for scanning and copying. If you prefer, place your document in the feed tray rather than on the glass. Usually, you need to place the paper facing up in the feed tray, but the orientation can vary from model to model. Scan the Document Use the Buttons on the Scanner The buttons on all-in-one printers vary by brand and model, but most offer a way to scan without opening a program on your computer. On basic models, you might only need to tap a Scan button to start the scan. On others, pressing Scan enters scanning mode, after which you press Start to start the scan. What happens after the scan also varies by model. Use the Bundled Scanning Software Some all-in-ones includes printing software with a scanning utility. Options vary but often include scanning: Look for a printer icon on the Windows taskbar. Open your all-in-one from the Devices and Printers Control Panel , which may contain link to the software. Use an Alternative Scanning Software Windows also includes a program for scanning: Windows Fax and Scan. Search for and run this program using the Start menu or Start screen, and click New Scan. Set options such as the resolution, brightness, contrast and file type -- JPG works well for photos, PNG for line art and text -- and click Scan. To test the settings quickly, click Preview first to see a sample of the scan. Other programs may also offer scanning.

Chapter 4 : How To Convert Scanned Pages Into eReader eBook Format

Scanning directly from a book Scanning to a multi-page document where the scanning area is not uniform is a bit more complex than just a single page because you will have to alternate between using HP Precision Scan Pro to scan pages into a temporary file and using Adobe Acrobat to add those pages into a single document.

HackCollege is a lifehacking site written by students, for students. How to Digitize Your Textbooks Unfortunately only a small portion of textbooks are available for download today. Perhaps the most exciting advantage is the ability to carry thousands of books on a thin device. Yes students, this means you could condense a semesters worth of heavy textbooks into a few thousand bytes on your Kindle, Nook or iPad. Textbook publishers are charging forward through this new frontier of media distribution, but unfortunately only a small portion of textbooks are available for download today. Getty File Photo Option 1: Textbook Scanning Services There are several online services that will scan a textbook and return a PDF document of its contents. To ease the gouging, BlueLeaf will scan your first 50 pages for free. Build a Book Scanner Diybookscanner. Once built, these scanners take pictures of each page of the book you wish to digitize using two tethered cameras. The cost of the hardware is the greatest downfall to this method, although if you want to keep your textbook intact this is the way to go. Each textbook is bound a little differently. Your goal is to dissect the book so that you have several booklets of pages. Cut the booklets along the left margin to obtain single pages. This is easily accomplished with a paper cutter. Insert the pages into the document feeder of your scanner. Scan the fronts of all the pages and save as a PDF, then flip and scan the backs. Load the front and back PDF files into the Alternate Mix plugin, which will combine the two files and place the pages into the proper order. Each method varies in cost and effort required. At the end of the day, the convenience of reading textbooks on your computer at home, eBook reader on campus, or your smartphone while waiting for the bus is well worth it.

Chapter 5 : How to Scan Documents to PDF with Your Android Phone's Camera

Prepare: Put the book on a white surface - like a piece of art paper - with lots of overhead lighting. Make sure you don't cast a shadow on the book. Wear nylon gloves that blend in with the background.

You can configure the scanning presets or use the Custom Scan option to scan with the settings of your choice. The scanning presets are not available on Mac OS. Then, in the Acrobat scan interface, select a scanner and a document preset or Custom Scan. Choose Scanner to see the options available. Create PDFs from Scanner interface; clicking the settings or gear icon shows all the settings for the selected option. Create PDFs from Scanner interface; choose a scanner and then click Next to see the settings for the selected Scanner. Choose the Append to Existing File check box. If you want to scan multiple files into a PDF, click the Settings icon. The Custom Scan interface is displayed. Select the Prompt to scan more pages check box. If you want to change the settings, click the Settings icon. Select scanning options as needed. Consult the scanner documentation information on available options. In Mac OS, the scanner user interface is always shown. Click the Settings icon next to the preset. Adjust the settings as needed. If you want to scan multiple files into a PDF, select the Prompt to scan more pages check box. Click Save Settings to save the preset, and then click the Cross button X to close. Click here to see all the scanning options Scanner Select an installed scanner. You must have the manufacturer scanning software installed on your computer. In Windows only, click the Options button to specify scanner options. When the option is not selected, scanning starts directly with the settings specified in the Custom Scan or Configure Predefined Settings interface. Pages Specify single or double-sided scanning. If you select Both Sides and the settings of the scanner are for only one side, the scanner setting overrides the Acrobat settings. You can scan both sides of pages even on scanners that do not themselves support two-sided scanning. When Both Sides is selected, a dialog box appears after the first sides are scanned. You can then reverse the original paper documents in the tray, and select the Scan Reverse Side Put Reverse Of Sheets option in that dialog box. This method produces a PDF with all pages in the proper sequence. This option is enabled if your Scanner Options are set to use the Acrobat scanning dialog box instead of the scanner application. Resolution Windows only Select a resolution that your scanner supports. If you select a Color Mode or Resolution option not supported by your scanner, a message appears and your scanner application window opens. Select different options in the scanner application window. Prompt to Scan More Pages When selected, a dialog box prompting you to scan additional pages appears after every scanning session. This option is used to compresses and filter the images in the scanned PDF. Click the Settings icon to customize optimization with specific settings for file compression and filtering. Select an opened file from the drop-down, or browse and select the PDF file. Click the Settings icon and specify whether to create a PDF Portfolio of the files, the number of pages for each file, and a filename prefix. This option applies optical character recognition OCR and font and page recognition to the text images. Click the Settings icon specify settings in the Recognize Text - Settings dialog box. See Recognize text in scanned documents. Add Metadata When selected, the Document Properties dialog box appears after scanning. In the Document Properties dialog box, you can add metadata, or information about the scanned document, to the PDF file. If you are creating multiple files, you can enter common metadata for all of the files. Default settings are suitable for a wide range of document pages, but you may want to customize settings for higher-quality images, smaller file sizes, or scanning issues. Click here to see all the image optimization options Apply Adaptive Compression Divides each page into black-and-white, grayscale, and color regions and chooses a representation that preserves appearance while highly compressing each type of content. The recommended scanning resolutions are dots per inch dpi for grayscale and RGB input, or dpi for black-and-white input. By default, the scanner application dialog box does not open. Monochrome Scans When scanning black-and-white or monotone images, select one of the following: Highest-quality levels use the lossless method; at lower settings, text is highly compressed. Compatible with Acrobat 5. For compatibility with Acrobat 4. This fast, lossless compression method is compatible with Acrobat 3. Deskew Rotates any page that is not square with the sides of the scanner bed, to make the PDF page align vertically. Choose On or Off. Background Removal Whitens nearly white

areas of grayscale and color input not black-and-white input. Then, Off or Low should produce good results. If scanning off-white paper or newsprint, use Medium or High to clean up the page. Descreen Removes halftone dot structure, which can reduce JPEG compression, cause moire patterns, and make text difficult to recognize. Suitable for 300 dpi grayscale or RGB input or, for Adaptive Compression, 300 dpi black-and-white input. The On setting recommended applies the filter for 300 dpi or higher grayscale and RGB input. Select Off when scanning a page with no pictures or filled areas, or when scanning at a resolution higher than the effective range. The default value is low and suitable for most documents. Increase it if the quality of the printed document is low and the text is unclear. To change the language, click Edit and choose a different language.

Scanning tips Acrobat scanning accepts images between 10 dpi and 300 dpi. Also, input resolution higher than 300 dpi is downsampled to 300 dpi or lower. To apply lossless compression to a scanned image, select one of these options under the Optimization Options in the Optimize Scanned PDF dialog box: If this image is appended to a PDF document, and you save the file using the Save option, the scanned image remains uncompressed. For most pages, black-and-white scanning at 300 dpi produces text best suited for conversion. At 300 dpi, OCR accuracy is slightly lower, and more font-recognition errors occur; at 600 dpi and higher resolution, processing slows, and compressed pages are bigger. If a page has many unrecognized words or small text 9 points or smaller, try scanning at higher resolution. Scan in black and white whenever possible. When Recognize Text Using OCR is disabled, full to 300 dpi resolution range may be used, but the recommended resolution is 72 and higher dpi. For Adaptive Compression, 300 dpi is recommended for grayscale or RGB input, or 300 dpi for black-and-white input. Your system may require 50 MB of virtual memory or more to scan the image. At 300 dpi, both scanning and processing typically are about four times slower than at 72 dpi. Avoid dithering or halftone scanner settings. These settings can improve the appearance of photographs, but they make it difficult to recognize text. If your scanner has color-filtering capability, consider using a filter or lamp that drops out the background color. If your scanner has a manual brightness control, adjust it so that characters are clean and well formed. If characters are touching, use a higher brighter setting. If characters are separated, use a lower darker setting.

Recognize text in scanned documents You can use Acrobat to recognize text in previously scanned documents that have already been converted to PDF. Scanning at 300 dpi produces the best text for conversion. At 300 dpi, OCR accuracy is slightly lower.

Recognize text in a single document Open the scanned PDF. The Recognize Text options are displayed in the Secondary toolbar. In the Secondary toolbar, select a page range and language for text recognition. Optionally, click Settings to open the Recognize Text dialog box, and specify the options as needed. Acrobat creates a layer of text in your PDF that can be searched or copied and pasted into a new document. Then select the files or folder. In the Output Options dialog box, specify a target folder for output files, and filename preferences. All options require an input resolution of 72 dpi or higher recommended. All formats apply OCR and font and page recognition to the text images and convert them to normal text.

Searchable Image Ensures that text is searchable and selectable. This option keeps the original image, deskews it as needed, and places an invisible text layer over it. The selection for Downsample Images in this same dialog box determines whether the image is downsampled and to what extent.

Searchable Image Exact Ensures that text is searchable and selectable. This option keeps the original image and places an invisible text layer over it.

If you do not own such a scanner many libraries have them and will let you scan for free to a USB drive. This this this!!! Our office printer at work (a library) can recognize a book and scan the items on either side of a spine as two pages.

We have taken preservation into our own hands. We are the missing link between your bookshelf and your e-reader. Get involved by trying a simple scanner , building a kit , or pushing the limits of scanning technology. What is a Book Scanner? A book scanner is any device used to digitize the pages of a book. Every book scanner has three parts. Cameras are used to capture images of each page. A controller triggers the cameras and saves the resulting photographs somewhere convenient. The scanner rig provides an ideal photographic environment while holding everything together. Latest News Archivist Quill: Scanning a Book from Jonathon Duerig on Vimeo. Pi Scan runs on a Raspberry Pi and controls two cameras for book scanning. In addition to many bugfixes, Pi Scan 1. Keyboard, mouse, touch screen, foot pedal, and push-button inputs are all supported. For more information, see the project page. Archivist Quill The Archivist Quill is a new build of the Archivist using aluminum beams instead of plywood. Kits are available now with or without electronics. The electronics pack for the Archivist Quill comes pre-installed with Pi Scan, a touch screen, cameras, and everything else needed to get started. Questions about the Archivist Quill can be sent to info at tenrec dot builders. Book Scanner Rigs Book scanners can be as simple as a cardboard box rig, a camera on a tripod, and your hand as the controller. Or they can have multiple moving parts with computer-controlled capture and high resolution cameras. Here is how a typical scanning rig comes together: Lighting Though some scanners rely on ambient room lighting, dedicated lighting is important to capture good scans. You want the lights to be strong and even. The lights must also be positioned to minimize glare and reflections. Cameras Each camera must be mounted securely and aligned to point directly at the center of the page it is scanning. If possible, you want two cameras so you can capture both pages at the same time. Platen The easiest way to avoid page curl in your images is to flatten the pages by pressing them against glass or acrylic. While there are some computer algorithms that can help dewarp the pages after capture, it is always more reliable to just capture flat pages in the first place. Book The book lies at the center of any scanning rig. It is alternately pressed against the platen for scanning and then pulled away so that the page can be flipped. Cradle The cradle supports the back and spine of the book. While any contact with a book will cause wear and tear, a V-shaped cradle can minimize the wear that scanning can cause.

Chapter 7 : The Best Ways to Scan a Document Using Your Phone or Tablet

Maybe if you help several of your classmates in one of your classes, they will decide to scan a book themselves for their other classes and maybe even help you out with another book of yours. You can optionally share your content on a P2P network.

Shopping Bag Mac Basics: You can share your USB connected scanner with other Macs on your home network. You can scan from various applications: If your scanner driver supports control panel functions in OS X, pressing a scan button on your device may not begin the scanning process. Use one of the above applications to control the scanner. See below for more details about these features. Make sure you know an administrator account name and password for your Mac. Connect the scanner Simply connect your multi-function printer or scanner via a USB cable. If your multi-function printer uses a Ethernet or wireless network, make sure it is configured to use the same local network as your Mac. Refrain from installing the software that came with your scanner as it may be out of date. You will see future updates when they are made available via Software Update. **How to scan Note:** This article discusses scanning via the Image Capture application located in the Applications folder. Scanning with other applications such as Preview is a very similar process. **Simplified scan mode** In the "simplified" scanner interface, follow these steps: Place the item s you would like to scan on the scanner bed. If your scanner has a document feeder, you can check "Use Document Feeder" to scan via the feeder instead of the flatbed. If your scanner supports different modes, you will see a "Mode: Choose "Detect Separate Items" from the "Auto selection" pop-up menu to have scanned objects automatically selected and straightened. Each item will also be stored in a separate file. Choose where to save the scanned images from the "Scan To: A folder of your choosing. A number of folders are already pre-configured or choose "Other" to select the folder you want. An application such as iPhoto, Aperture, or Preview. Mail application, to have each of your scanned images put into its own email message. Click "Scan" to scan. The scanned items will become JPEG images incrementally named: **Advanced scanning options** Click "Show Details" if you want to enter a detailed scan mode with more advanced options. In the "Details" scanner interface you can manually select the following options: Flatbed, Transparency Positive, Transparency Negative, and so forth. Choose "Color" to scan an object in color. Choose "Text" to scan in text documents. Typically, dpi is all that you need. Select the Use Custom Size checkbox to enable the "Size: Choose pixels, inches or cm centimeters. In the "Rotation Angle: Choose one of the following from the "Auto selection" pop-up menu: High contrast object edging will increase the accuracy of auto-selection. Use the "Scan To: Your destinations can include: For multiple scans, the name entered will be a part of incrementally named scans. The following options are available when the "Kind:

Chapter 8 : How to Scan a Book (with Pictures) - wikiHow

Now that you're all sorted, let's do this thing. First, fire up the Drive app and navigate to the folder where you'd like your scan to be saved.

Scanning directly from a book Scanning to a multi-page document where the scanning area is not uniform is a bit more complex than just a single page because you will have to alternate between using HP Precision Scan Pro to scan pages into a temporary file and using Adobe Acrobat to add those pages into a single document. Click on Start a New Scan. This is pretty simple. When you click the button, the scanner will do a quick scan and a preview of the item will appear in the right pane. Use your cursor to draw a selection area around the part of the page you wish to scan. Keep in mind that the computer will translate a shadow running down the binding as an image, which may reduce the quality of your scan. Therefore, when you are selecting the scan area, try to eliminate as much shadow as possible while maintaining an adequate margin around the text. Confirm that the output type is what you want. You will rarely, if ever, need to make optional adjustments. Click on Save As. Click "Done" when the dialogue box pops up asking whether you would like to scan another page into the document. Place the next page on the scanner. Click on Save As Choose the same folder as the original document. Use "temp" as the filename. During subsequent pages, a dialogue box will appear asking if you want to override the "temp. Adding Pages to a. Double-click on the original pdf file. Click on the "Select" button. A dialogue box will appear. Choose "After" in the dropdown menu. Continue scanning using the "temp. When all the pages are scanned, remember to save the original pdf file.

Chapter 9 : How to Digitize Your Textbooks | HuffPost

This quick 5-minute tutorial shows you how to take your old books and scan them into a computer so that they can be searched and viewed in your computer or ebook reader.

How to Scan a Picture on an All-in-One Printer by Contributor Scanning your pictures with an all-in-one printer is one of the first steps you can take into the world of modern photography. As imaging technology improves, the smelly darkroom is becoming a thing of the past. If you have a stack of photographs, you can scan them onto your computer and go digital in no time. Follow these steps to scan a picture on an all-in-one printer: Blow the dust from your scanner and printing area with canned air. Clean the scanner bed and the underside of the document lid with a damp, lint-free cloth before scanning. Get your computer and all-in-one printer turned on and talking to each other. Open the scanning software on your computer if needed. If not, you can use the controls on your printer to run the show. Lay the picture to be scanned face-down on the glass. Square up the photo using the guides that are usually located along the edges of the scanning bed. Go for a higher dpi dots per inch count if you plan on displaying the scanned image at larger-than-life size. Otherwise, you can select a lower resolution. Some all-in-one printers need you to press the scan button on the printer itself; check the manual before using. Get a preview of the scanned image up on your computer monitor. This might happen automatically depending on your software settings; if not, you will have to prompt your computer to display one. Correct small defects such as red-eye in the image. Save extensive changes for later with dedicated photo-editing software. Accept the scan and save to your hard drive. Remember to put your picture away. Tips Clean the photo before scanning and remove any dust, hair or fingerprints from the surface of the picture. Exercise caution when cleaning old photographs as the paper stock may be sensitive to touch or moisture. JPEG files can compress the image to a smaller size for ease of storage, but the higher you set the compression factor, the more the picture quality will suffer. TIFF files do not significantly compress the information and preserve quality, but their file size can be 10 or more times bigger than JPEGs. Use the scanner bed even if your all-in-one printer has a document feeder. The feed process can do horrible things to photo stock. Warning Do not over-soak your cleaning cloth. If the rag drips, it is too wet; wring it out before using. Video of the Day Brought to you by Techwalla Brought to you by Techwalla Items you will need All-in-one printer About the Author This article was written by a professional writer, copy edited and fact checked through a multi-point auditing system, in efforts to ensure our readers only receive the best information. To submit your questions or ideas, or to simply learn more, see our about us page: