***Technology in Action*  
fourteenth Edition**

**Support/Web Resource Links**

***Technology in Action* Companion Website:** [www.pearsonhighered.com/techinaction](http://www.pearsonhighered.com/techinaction). Find additional resources to support and supplement chapter topics, including an Online Chapter Review and Web Research Projects.

***Technology in Action* MyITLab:** <http://www.pearsonmylabandmastering.com/northamerica/myitlab/>. Access the MyITLab site.

**24x7 Pearson Technical Support:** [http://247pearsoned.custhelp.com](http://247pearsoned.custhelp.com/). Obtain help by phone, e-mail, or chat, or explore the knowledge base to find answers right on the site.

**Chapter 1: Using Technology to Change the World**

**Adobe:** [www.adobe.com](http://www.adobe.com). A site that offers software used by artists and businesses.

**African Institute for Mathematical Sciences (AIMS) Next Einstein Initiative (NEI):** [www.nexteinstein.org](http://www.nexteinstein.org). NEI is a program to establish a network of 15 centers of excellence across Africa, with the focus on teaching mathematical sciences to university graduates.

**Airbnb:** [www.airbnb.com](http://www.airbnb.com). A site that provides information on bed and breakfast locations worldwide.

**Amazon:** [www.amazon.com](http://www.amazon.com/). This site began as an online bookstore, and then diversified its product line to become the world’s largest online retailer.

**Anonymous:** <http://anonofficial.com/>. The official site for Anonymous, a hacktivism group that attempts to effect social change.

**Apple iTunes:** <http://www.apple.com/itunes/>. iTunes is an app that allows users to play podcasts, music, movies, and TV shows on a computer, tablet, or smartphone.

**AT&T:** [www.att.com](http://www.att.com). The official site for AT&T, where users can purchase a phone, phone service, and other services.

**Atlanta Ballet:** <http://www.atlantaballet.com/>. A site that provides information about the performances and venues of the Atlanta Ballet.

**Austin Peay State University:** <http://www.apsu.edu/>. The official site for Austin Peay State University.

**BitTorrent:** <http://www.bittorrent.com/>. A client application that allows users to quickly download large files.

**Blackboard:** [www.blackboard.com](http://www.blackboard.com). This is a provider of educational software solutions, such as course management and student collaboration software.

**Blend:** [www.blend.io](http://www.blend.io). A site where music projects can be collaboratively produced and published.

**Call a Bike:** <https://www.bahn.de/>. In the Search box, type Call a Bike and press Enter. The site is in German. Google can translate it for you.Rental bikes available in the cities of Berlin, Frankfurt am Main, Munich, Cologne, Karlsruhe, Stuttgart, and at some ICE train stations in Germany.

**Carnegie Mellon University:** <http://www.cmu.edu/>. The home page of the Carnegie Mellon University.

**Centre for Research in Environmental Epidemiology:** <http://www.creal.cat/en_index.html>. A research center dedicated to developing protection policies that will prevent disease and disabilities linked to environmental exposure.

**Citi Bike:** <http://citibikenyc.com/>. This site provides information about the New York Citi Bike program that services New Yorkers.

**Corel:** [www.corel.com](http://www.corel.com). A site that offers utility, graphics, and office suite software.

**Crowd Companies:** <http://crowdcompanies.com/>. An innovation council that helps large companies use technology to locate collaborative opportunities.

**Devpost:** <https://devpost.com/>.An app that allows people to practice coding skills and learn new technologies.

**e-NABLE:** [www.enablingthefuture.org](http://www.enablingthefuture.org). A global network of volunteers who use 3-D printing to create custom hand and arm prosthetic devices.

**Facebook:** [www.facebook.com](http://www.facebook.com).This popular social networking service has more than 1.5 billion users.

**Federal Bureau of Investigation:** [www.fbi.gov](http://www.fbi.gov). The official site for the U.S. Federal Bureau of Investigation.

**Freecycle:** [www.freecycle.org](http://www.freecycle.org). An exchange site where people who have items they don’t want can offer those items at no cost to those who need them.

**Generative Design:** <http://www.generativedesign.com/>. Architecture, design, and art created with morphogenetic procedures using a computer.

**GitHub:** <https://github.com/>. An app that developers use to code projects and work with others on open source technologies.

**GoFundMe:** <https://www.gofundme.com/>. A crowdfunding site that allows people in need to raise money for hospital bills, tuition, or funerals.

**Google:** [www.google.com](http://www.google.com). An online search engine.

**Google Art Project:** [www.googleartproject.com](http://www.googleartproject.com). This site allows visitors to view thousands of art pieces from different museums and zoom in at high resolution.

**Google Play:** <https://play.google.com>. An online store where books, movies, TV shows, apps, and magazines can be purchased.

**Google Street View:** [https://www.google.com/ streetview/](https://www.google.com/%20streetview/). Online access to locations worldwide and maps that can be viewed from the street level.

**Julliard:** <http://www.juilliard.edu/>. A site that provides information on degrees and programs through Julliard.

**Instagram:** [https://www.instagram.com/](https://www.instagram.com/?hl=en). A social media site where users can share photos and videos with friends.

**If This Then That:** [www.ifttt.com](http://www.ifttt.com). An online service that allows you to use simple recipe statements to create connections.

**Khan Academy:** [www.khanacademy.org](http://www.khanacademy.org). This site hosts more than 2,400 videos, covering topics from math to physics, finance, and history.

**Kickstarter:** [www.kickstarter.com](http://www.kickstarter.com). Kickstarter is a funding platform for creative projects, allowing people to post their ideas and ask for funding directly.

**Kiva:** [www.kiva.org](http://www.kiva.org). Kiva is a microfinance funding platform where people can make loans to people around the world.

**MACH-My Automated Conversation coach:** <http://hoques.com/MACH.htm>. A system designed to help people practice social interactions.

**Mark the Spot:** <https://play.google.com/store/>. An AT&T app that allows customers to report the location of dropped calls to provide information the company needs to improve coverage. Search the Google Store or the iTunes App Store at [www.itunes.apple.com](http://www.itunes.apple.com) for the app.

**Massive Open Online Courses (MOOCs):** <https://www.mooc-list.com/>. A list of free online courses offered by universities and other entities.

**Microsoft HoloLens:** <https://www.microsoft.com/microsoft-hololens/en-us>. A holographic computer that enables high-definition holograms to integrate with the real world.

**Microsoft Word:** <https://products.office.com/en-us/>. In the Search box, type Word 2016, and press Enter. Click the first link. The word processing application Microsoft bundles with Microsoft Office.

**MIT Biomechatronics Lab:** <http://biomech.media.mit.edu/>. A research facility seeking to advance the science of biomechanics and biological movement control to augment individuals with impaired mobility due to trauma or disease.

**MIT Media Lab:** <http://www.media.mit.edu/>. A research lab that uses research from multiple disciplines to create new technology, such as wearable computing devices and the My Automated Conversation coacH (MACH) system.

**Moodle:** <http://moodle.org>. This site is an open source course management system.

**Museum of Modern Art (MoMA):** [www.moma.org](http://www.moma.org). This is New York’s Museum of Modern Art’s website, which offers podcasts and downloadable multimedia tours.

**National Center for the Analysis of Violent Crime:** <https://www2.fbi.gov/hq/isd/cirg/ncavc.htm>. Using behavioral-based investigation, the center supports FBI, national security agencies, and other federal, state, local, and international law enforcement in the investigation of violent crimes.

**National Center for Supercomputing Applications:** <http://www.ncsa.illinois.edu/>. Provides integrated cyberinfrastructure to allow researchers to perform studies using super computer applications.

**National Research Center:** <http://www.nationalacademies.org/>. The research arm of the National Academies of Science, Engineering, and Medicine.

**National Severe Storms Laboratory:** <http://www.nssl.noaa.gov/>. Basic and applied weather research to increase understanding of severe weather processes, develop observation technology, and improve forecast tools used by NOAA.

**Netflix:** [www.netflix.com](http://www.netflix.com). Visit this site to instantly view movies and television programs through Internet video streaming or rent DVDs through the U.S. mail. Both are subscription-based services.

**Nirenberg Lab:** <http://physiology.med.cornell.edu/faculty/nirenberg/lab/>. The science behind using a retinal prosthetic to treat blindness.

**Oculus Rift:** <https://www.oculus.com/>. Goggles with high pixel counts that immerse users into virtual reality.

**Processing:** [www.processing.org](http://www.processing.org). A site developed to promote software literacy within the visual arts, and visual literacy within technology-related fields.

**Random Hacks of Kindness:** <http://www.rhokaustralia.org/>. A civic hacking event to help people create apps to make a difference in the world.

**RedLaser:** <http://redlaser.com/application/>. Bar code scanning app that provides product information and access to coupons and cash rewards.

**ScanLife:** <http://www.scanlife.com/>. A mobile app that provides customers withpackaging and label information.

**ShopSavvy:** <http://shopsavvy.mobi/>. This site offers a smartphone app that provides consumers with information such as local price maps, deals, barcode scanning, and more.

**SimVenture:** <http://simventure.co.uk>. This site introduces business concepts through online competition for domination of a global market.

**Skype:** [www.skype.com](http://www.skype.com). This site provides Voice over Internet Protocol (VoIP) service for users to make free phone calls over the Internet.

**SnipSnap:** <http://snipsnap.it/>. An app that allows you to scan and download coupons to your smartphone.

**SolaRoad:** <http://en.solaroad.nl/>. SolaRoad is an innovation in energy harvesting using the surface of roads as solar panels to collect an inexhaustible source of electrical power.

**Sony PlayStation VR:** <https://www.playstation.com/en-us/>. Originally called Sony’s Project Morpheus, the PlayStation VR immerses users into virtual worlds.

**Spotify:** [www.spotify.com](http://www.spotify.com). A site that allows users to search millions of tracks to find the music they prefer for phone, computer, tablet, and other Wi-Fi connected devices.

**Swap.com:** <http://www.swap.com/>. This site lets users trade kids’ books, video games, and DVDs with one another, using the power of peer-to-peer connections. Kids’ and women’s apparel is also emphasized.

**TED:** [www.ted.com](http://www.ted.com). TED is a non-profit group devoted to “Ideas Worth Spreading.” TED hosts two annual conferences, and talks from these conferences are available on TED’s site.

**Temple University:** <https://www.temple.edu>**.** The home site of Temple University.

Thinking Robot Studios: <http://thinkingrobotstudios.ca/>. A 3-D printing company that designs and manufactures items

**Thinking Robot Studios:** <http://thinkingrobotstudios.ca/>. A 3-D printing company that designs and manufactures items needed for patient-focused health care, such as designer prosthetics.

**Time Machine:** <http://timemachine.cmucreatelab.org>. A site that allows the user to view numerous processes in extreme detail over space and time.

**Time Magazine:** <http://time.com/>. The official site for Time Magazine.

**Twitter:** <http://twitter.com>. Twitter is an online social networking and microblogging service, which can be updated with SMS messaging, known as “tweets.”

**United Parcel Service (UPS):** [www.ups.com](http://www.ups.com).A company that delivers packages to homes and businesses worldwide.

**University of Illinois at Chicago:** <http://www.uic.edu/>. The official site of the University of Illinois at Chicago.

**University of Pennsylvania:** <http://www.upenn.edu/>. The official site of the University of Pennsylvania.

**University of Toronto:** <https://www.utoronto.ca/>. The official site for the University of Toronto.

**U.S. Food and Drug Administration:** <http://www.fda.gov/>. The official government site for the Food and Drug Administration.

**Ushahidi:** [www.ushahidi.com](http://www.ushahidi.com). This site features a non-profit tech company that develops free and open source software tools for information collection, visualization, and interactive mapping.

**WikiLeaks:** [www.wikileaks.org](http://www.wikileaks.org). A site that makes private and public documents available for viewing.

**WITNESS:** [www.witness.org](http://www.witness.org). WITNESS utilizes user-uploaded video to open the eyes of the world to human rights violations.

**World Food Programme (WFP):** [www.wfp.org](http://www.wfp.org). The World Food Programme is the world’s largest humanitarian agency fighting hunger. View the hunger map that analyzes the location and need for food.

**YouTube:** [www.youtube.com](http://www.youtube.com). YouTube is a video-sharing site where users can upload, view, and share videos.

**Zipcar:** [www.zipcar.com](http://www.zipcar.com). This site is a car reservation service. Reserved cars are picked up in various locations and locked and unlocked with a pre-paid card.

**Additional Links**

**App Inventor:** <http://www.appinventor.org/>. A site that offers a course taught by USF Professor David Wolber where students of all ages can learn to invent and program an app in hours.

**Career Builder:** [www.careerbuilder.com](http://www.careerbuilder.com). A job search site that allows users to upload a resume.

**Centers for Disease Control and Prevention:** [www.cdc.gov/](http://www.cdc.gov/). A site that provides information about health threats, both foreign and in the U.S.

**Coupon Sherpa:** <http://www.couponsherpa.com/>. This site offers an app to download coupons on your mobile device.

**da Vinci Surgical System:** [www.davincisurgery.com](http://www.davincisurgery.com). Sophisticated robotic and computer technologies are now offering a minimally invasive option to complex surgeries.

**Dice:** <http://www.dice.com>. A job search site specifically for computer and technical careers.

**Easy Animation Tools:** [www.easyanimationtools.com/index.htm](http://www.easyanimationtools.com/index.htm). This site is devoted to a small, independent software development team specializing in the creation of graphic programs for web design. Explore the tools available from this company for animation creation.

**Fab@Home:** [www.fabathome.org](http://www.fabathome.org). This site explores the possibilities of personal fabrication of functional 3-D objects such as electrical parts.

**Forensic Focus:** [www.forensicfocus.com](http://www.forensicfocus.com/). This website is devoted to computer forensics to help keep forensic scientists up-to-date; it includes computer forensics news, information, and community.

**GIMP:** [www.gimp.org](http://www.gimp.org). Open-source graphics software used to retouch photos, manipulate composition images, or create paintbrush images.

**Google+:** <http://plus.google.com>. A site that allows you to set up one account to access all your Google accounts.

**Hulu:** [www.hulu.com](http://www.hulu.com). Watch free TV shows and movies online.

**INDEED:** [www.indeed.com](http://www.indeed.com). A job search site that allows users to search for a job based on job title, keywords, or company name, as well as by location.

**IOBIT:** [www.iobit.com](http://www.iobit.com). This site offers software that maintains computer health by preventing damage from malware, boosting a computer’s power, and keeping your drivers up-to-date.

**Monster:** [www.monster.com](http://www.monster.com). This site is a job search tool site that allows you to search job postings based on search terms describing the position desired.

**NASA Learning Technologies:** <http://www.nasa.gov/offices/education/programs/national/ltp/opportunities/index.html>. This site is an educational resource from NASA that uses revolutionary technology to enhance education in math and science.

**Persistence of Vision (POV-Ray):** <http://www.povray.org/>. This site offers a free software tool used to create three-dimensional graphics.

**Smithsonian:** [www.si.edu](http://www.si.edu/). Experience a virtual museum at the Smithsonian.

**SourceForge:** <http://sourceforge.net/>. Provides access to Open Source software such as Audacity, Gimp, and more.

**Sploder:** [www.sploder.com](http://www.sploder.com). This is where games come to life. Use sploder.com to create free computer games and share them with friends.

**VeriMed:** <http://www.verimedhealthcare.com/>. Technology that verifies the medications and dosages for chronic disease state patients, preventing substance abuse and prescription diversion.

**Verizon Innovative App Challenge:** <http://appchallenge.tsaweb.org/>. A collaborative competition for middle-school and high-school students that promotes the use of STEM (Science, Technology, Engineering, and Math) knowledge to develop an original mobile app.

**Vudu:** [www.vudu.com](http://www.vudu.com). A site that allows users to rent videos, or purchase or park videos they have purchased to watch on demand. Some TV program seasons are also available for purchase.

**Yapp:** [www.yapp.us/](http://www.yapp.us/). A site that helps you create your own mobile app.