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Mit app inventor 2 code

Built-in blocks are available regardless of which components are in your project. In addition to this language block, each component in your project has its own set of blocks specific to its own events, methods, and properties. This is the overall overview of all the Built-in Blocks contained in the Block Editor. You can use the App Creator without downloading anything to your computer! You'll develop an app on our website: ai2.appinventor.mit.edu. To test directly on your Android device you only install the MIT App Creator Friends app on an Android phone, tablet or chromebook that is supported. Once Friends is installed, you can open the project in The App Creator on the web, open a friend on your device, and you can test your app as you build it: The following steps will guide you through the process. Step 1: Download and install the MIT AI2 Friends App on your device. Open your device's QR code scan and scan the QR code on the left below to download the Friends App from the Play Store. If you can't use the Play Store, use the QR code on the right to download the Friends App directly to your phone. Recommended: Automatic updates Manual updates required if you need a QR code scan, you can get it in the Play Store (for example, ZXing). After downloading, step though the instructions to install the Friends app on your device. You need to install MIT AI2 Friends only once, and then leave it on your phone or tablet for any time you use the App Inventor. Note 1: If you can't use a QR code, you can still install MIT AI2 Friends on your phone or tablet. Use the Web browser on your device to go to the Google Play Store; Find MIT AI2's best friend at the store. Once you've found Friends, click the INSTALL button for the Friends app. Note 2: If you choose not to go through the Main store and instead load the app directly (aka side load), you will need to select an option in your device settings to allow app installation from unknown sources. To find this settings on android versions before 4.0, go to Settings > Applications and then check the box next to Unknown Sources. For devices running Android 4.0 or above, go to Settings > Safety or Settings > Safety & Security Lock Screen and then check the box next to Unknown Sources and confirm your selection. Step 2: Connect both your computer and your device to the SAME WiFi Network App Creator will show you the app you are building automatically, but only if your computer (running App Creator) and your Android device (running Friends) are connected to the same WiFi Network. See a more detailed explanation of this here. Step 3: Open the App Creator project connect it to YourGo Device to App Creator and open a project (or create a new project -- use Project > Start a New Project and give your project name). Then Select Connect and AI Friends from the top menu in the AI2 browser: A dialog with the QR code will appear on your PC screen. On your device, launch the MIT MIT App the same application as you will do any application. Then click the Scan the QR code button on Friends and scan the code in the App Creator window: Within seconds, you should see the app you built on your device. It will be updated as you make changes to your design and blocks, a feature called live testing. If you're having trouble scanning the QR code or your device doesn't have a scanner, type the code shown on the computer into the Companion text area of your Android device as shown. This code continues below where the screen on your PC indicates your Code is and consists of six characters. Type six characters and select Orange Connect with the code. Don't type in Enter's return or transport: type only six characters followed by pressing the orange button. Troubleshooting: If your app doesn't appear on your device, the most likely problem is: You may have an outdated version of the App Creator App Creator App. Download the Recent Companion App for App Creator 2 from above. Your device may not be connected to a wifi. Be sure to see the IP address at the bottom of the AI Companion App screen on your phone or tablet. Your device may not be connected to the same wifi network as your computer. Make sure both devices are connected to the same wifi network name. Your school or organization may have network protocols in place so that wifi connections aren't allowed. If this happens, you can still use App Creator with an emulator or you can use a USB cable to connect your device. Return to the main setup page for this option. Create the First App Back to the Linked Material Setup Menu from the App Inventor Hour of Code page will be your primary method of running hour of Code with MIT App Inventor. As suggested on the page, the recommended method is to use the Tutorial link for any of the tutorials listed. Clicking on the tutorial link will open the Application Creator environment directly, with pre-loaded tutorials in the sidebar. If you wish, you can use a full video, or a printed text document, to carry out an activity. App Creator IDE usually runs on servers, which requires a gmail account to log in. For Hour of Code, we have set up a separate server, a, which does not require an account to log in. Users can choose to Continue Without Account and a randomly generated review code will be generated. If students are going to perform activities for more than one class period, students should copy and paste the review code somewhere so they can login and return to any project they create. If your school uses Google Classroom or students have a gmail account, they can log in. Gmail accounts are used only to recover projects. No personal information about students is stored. Note that videos and text commands contain instructions for logging into ai2.appinventor.mit.edu. You can instruct your students to code.appinventor.mit.edu otherwise if you use the method. As mentioned above, the tutorial link will bring students directly to the students code.appinventor.mit.edu no additional instructions from the teacher are required. BEFORE ACTIVITY Decides whether you want to use the phone/tablet for the activity. You can choose to use an Android device if you have access to some people, or you can use an emulator, that runs in the browser window. Both will need some preparation. Set up your computer and phone/tablet (or emulator) earlier. Setup instructions are available here. See also: Provides the System requirements check classroom at the bottom of this page, so you're using the recommended browser. Test it in your classroom! Whether you're using a mobile device or an emulator, it pays to test that it works in your classroom, using a student computer. Try the tutorial yourself. They are fun and simple, and you will feel ready to help students if you have walked through their own. If you have questions, ask us. We're here to help! You can contact other educators and App Creator team via FORUMS. Your browser may be incompatible. To use App Creator for Android, you must use a compatible browser. Currently supported browsers are: Google Chrome 29+ Safari 6.1+ Firefox 23+ This page lists useful code snippets and examples for App Creator, such as how to insert a row into Google Spreadsheets, how to share data between two apps, how to download data from web pages and other advanced features. Please refer to the Application Creator's FAQ for specific questions related to education & Why App Creator? We see a fundamental shift in how people use their mobile devices. Smartphones, including Android and iPhone devices, provide users with the Internet that are fully displayed in their pockets. As people become more comfortable accessing mobile webs, we want to enable them to create mobile services and apps that allow them to engage mobile space as developers regardless of their computer programming knowledge. The creator of the app for Android is an experimental program that allows us to do so. For educators, the Inventor App has become a powerful tool to expose students to the world of computer programming and help them become tech creators rather than just users. I downloaded the Installer Set up An App Creator and ran it. Can I start using App Creator now? Yes! We're excited to announce that App Creator is available to anyone with a Google account. If you have a Google account according to the Set up instructions and start building apps today! I signed up for an invitation to use Application. When will I get access? We're excited to announce that App Creator is available to anyone with a Google account. If you have a Google account according to the Set up instructions and start building apps today! I am an educator who is interested in using App Creator. What resources are there for me? Please read our Educator FAQ and join the Application in the Educational Discussion Forum. Also, be sure to visit the Teach App Inventor site that has specific information for educators. Can I use the App Creator without a phone? Yes. App creators include emulators for phones. Can't emulator does everything the phone can. For example, you can't shake it but you can create an app and give it a try. Once you have set up your computer Hello Purr Emulator – Part 1 tutorial will show you how to build an application with emulator. Can I upload my app to Google Play (Android Market)? Yes, you can by following the instructions here! Do App Creator users need to have a Google account? Do they need a Gmail address? App Creator users need to have a Google Account. Sign-in authentication and storage for the App Creator project are linked to your Google Account. Sign up for a Google Account here. Users do not need a Gmail address; any Google account will do. For example, students whose school systems use Google Apps for Education have worked Google accounts that don't go through Gmail. Can I develop in Application Creator and export the source code to Eclipse or some other IDE to work on it further? No, App Creator doesn't generate Java's source code. Can I share a project code with another App Creator user? Yes. To share a project, go to the My Project page, select a project, then choose More Actions | Download Resources. This will create a zip file that you can share with others. To upload a project, go to My Project, select More Actions | Upload Source and select the zip file previously downloaded from the App Creator. Note: Source code files (.zip) cannot be implemented android programs -- they are .apk files. The source code is also not the Java SDK code -- it can only be loaded into the App Creator. Is it possible to bring in some writers on a project? There are experimental tools to combine two projects. You are welcome to try it to share blocks between developers. Can I share my app with other Android users? Yes. To share apps, you need to get an Android Package (.apk) file, which you can do by going to the My Project page, clicking on the name of the app you want to share (which will take you to the Designs page), and choose Package for Phone | Download to this Computer. You can then email those apps to your friends, who can install them by opening emails from their phone, or you can upload them to websites that you and your friends can access. Note that they need to change their phone settings to allow the installation of non-Marketplace applications. Note: The Option Show Barcode generates a barcode that is will work for the app creator because it is tied to its google account. To generate a barcode (in fact, a QR code) that anyone can use to download the application, simply upload a .apk file to a public website and copy the file location URL. You can then use the QR code generator (available for free line) to generate a QR code that takes you to Can I build a multi-screen app with an App Creator? Yes, you can now build multi-screen apps with App Creator! Build apps with multiple screens a lot like creating multiple individual applications. Each screen you create has its own components in the Designer and block windows in the block editor. Please refer to the Colored Dot Tutorial for more information on how various screens work in the Application Creator. Is the App Creator just a toy language? Can I build a state-of-the-art app with it? Although App Creator has limitations, it can be used to build complex applications. This language provides programming construction such as foreach, while, etc., in visual form (block). High-level (block) components and operations for some Android functions exist, although not all of them. There are mechanisms for communicating with web services and databases. Component development kits are under consideration. This will allow programmers to build application creator components with Java and expand the functionality of the App Creator. Can I connect to a web service from an application written in App Creator? You can connect the App Creator app to the web using the TinyWebDB component. TinyWebDB components may communicate with any service that complies with certain protocols. During our pilots, Dave Wolber of the University of San Francisco wrote several Android apps that spoke to Amazon, the NextMuni San Francisco API for transit information, and Yahoo's finances. Look: Using TinyWebDB Talking to API