Personal Image Classifier: Part 2

In this lesson, you will run your model on a mobile app with MIT App Inventor

1 Download the **aia** file for this project: **http://bit.ly/2BYiNoG**

This is a zip file that has all of the components and code blocks already set up for this project.

2 Go to **http://appinventor.mit.edu/** and click "Create Apps!" You will need to make an account if you do not have one.

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With MIT App Inventor, anyone can build apps with global impact

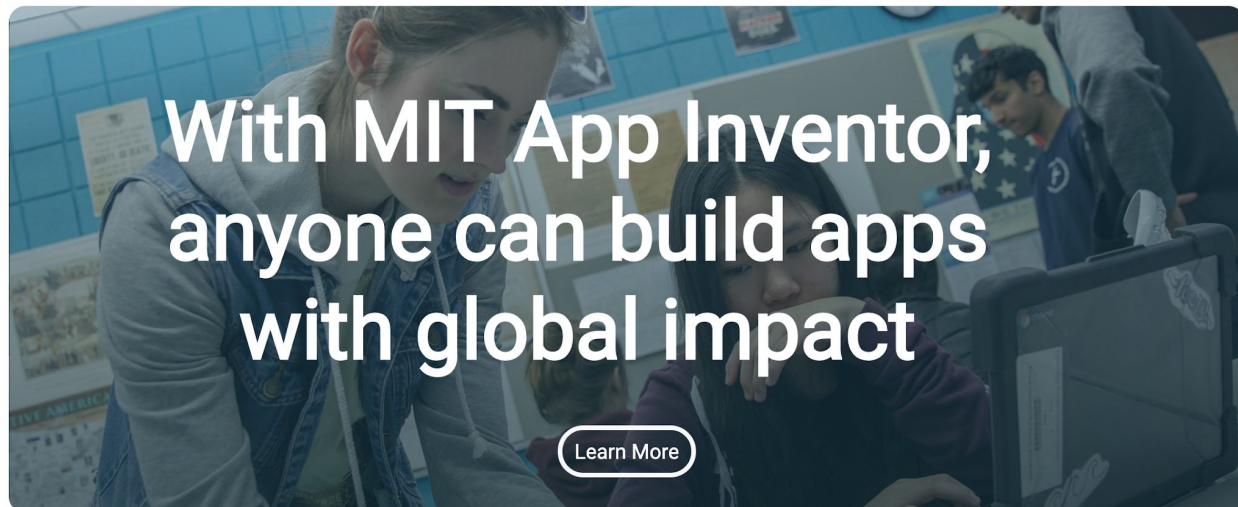Learn More

Active Users today: 28.4K	Active Users this week: 124.5K	Active Users this month: 398.0K	Registered Users: 8.2M	Countries: 195	Apps Built: 34.0M

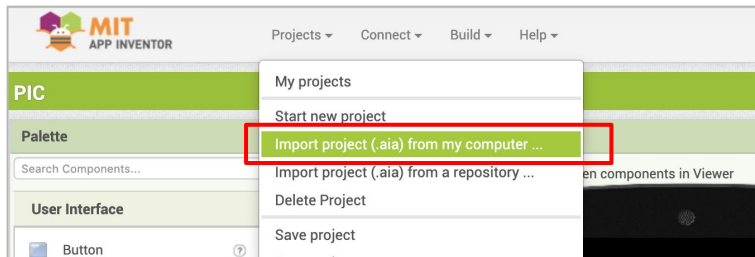**3** In the App Inventor window, click on "Projects" in the top left corner, and then click on "Import project (.aia) from my computer.
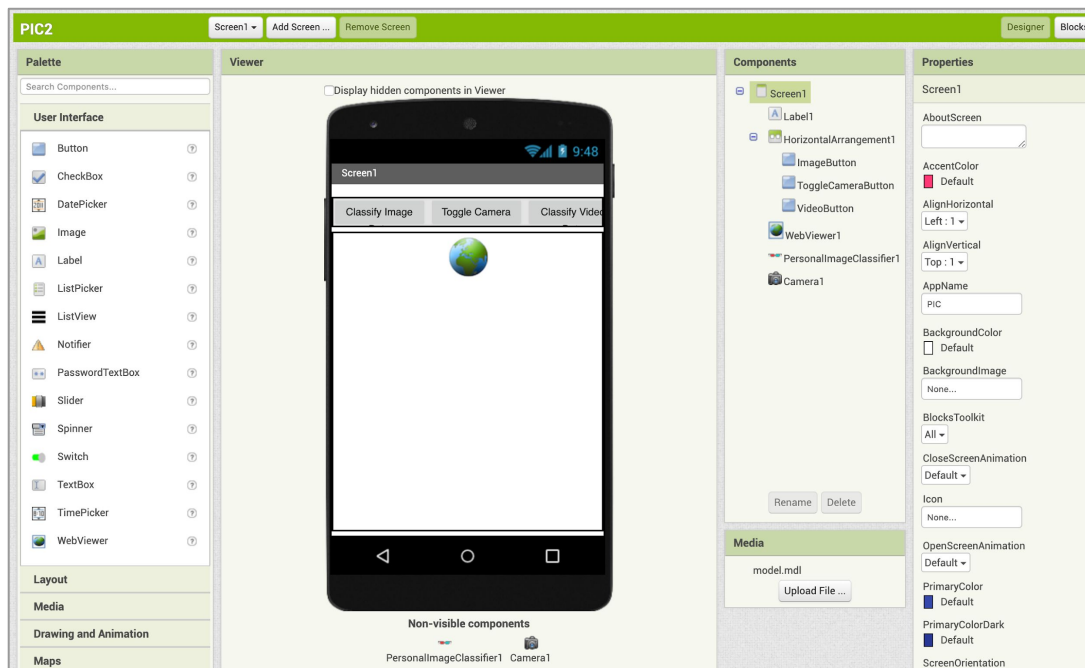
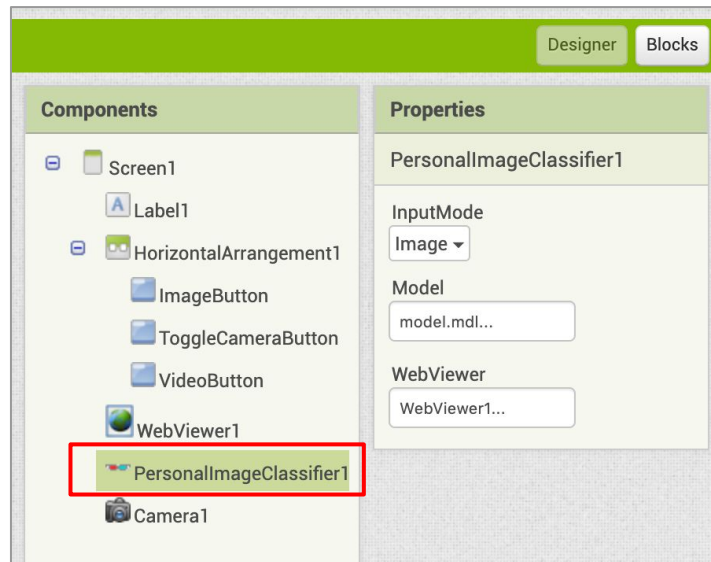Select the AIA file where it is downloaded on your computer. Click "OK".

4 After the aia project file finishes loading (this might take a minute!), you should see that the project has already been populated as shown below.

Feel free to explore the components or click "Blocks" in the top right corner to look at the code, but this is not necessary to run the app.
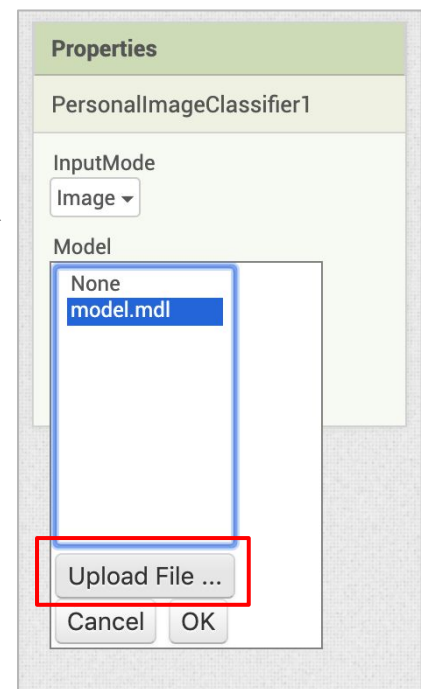
5 Click on **PersonalImageClassifier1** component in the Designer view.
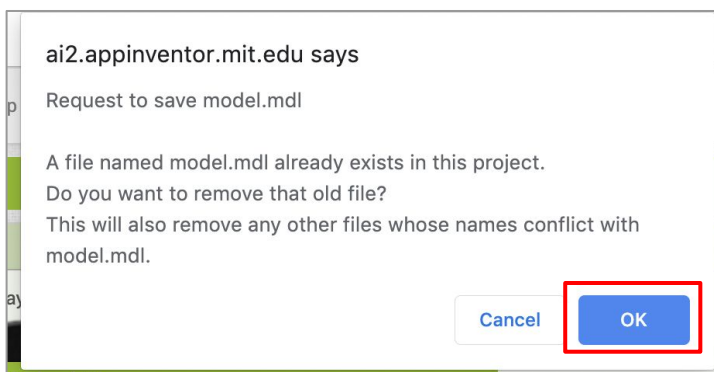
6 There is already a model pre-loaded in the Properties, but you will use the model you just trained instead.

Click on the input field below "Model" in the Properties. Click on "Upload File" and upload your model from when you downloaded it onto your computer. ------------------------------------►
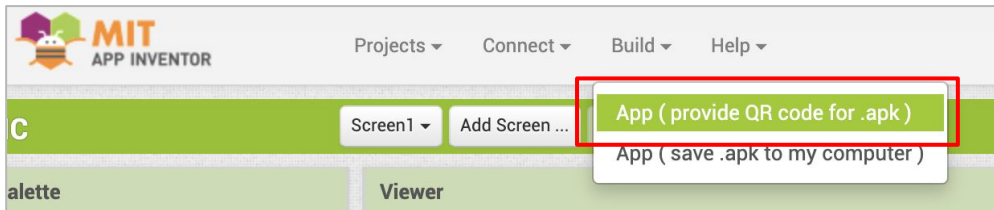
7 If a pop-up asks you if you want to replace the model, click "OK" so that you are now using your model instead of the one that came with the project.
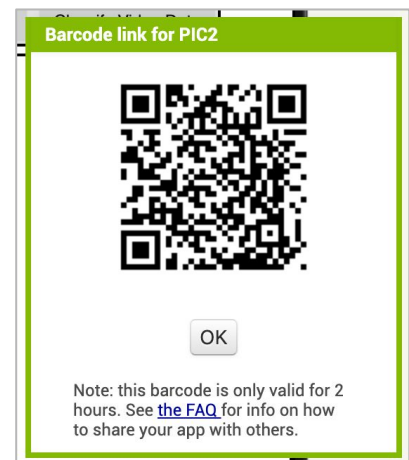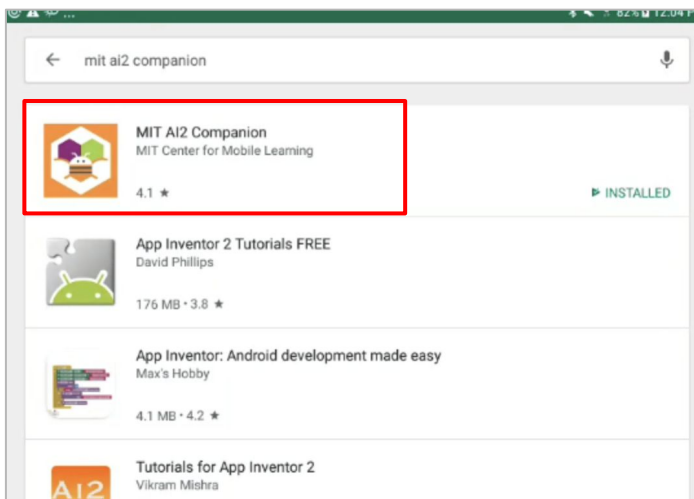
8 Now build the app so that you can download it! Click "Build" at the top of your screen. Then click "App (provide QR code)". This might take a minute or so to finish.

9 If you have a QR Code Scanner app on your mobile device, you can scan the QR code that appears and install the app on your device. Otherwise, you can download and install the official **MIT AI2 Companion** from the Play Store (if you don't already have it) and use that to then install your app on your mobile device.

10 If using the MIT AI2 Companion to install, click the blue "scan QR code" button to scan and install the app on your mobile device.

11 Try out the app! You can try classifying your expressions using the camera *or* with video. If using the camera, toggle the camera within the camera app. If using video, use the Toggle Camera button in the app to change the camera view.

For a demo for how to use the app, watch the video here: https://bit.ly/2YRplP6. The guide for downloading and using the app starts at 5:10.