### **App Inventor**



- Today we are going to update the version of the App Inventor software installed on the computer.
- The App Inventor software allows you to test the app during development if an Android mobile device is not available.



**App Inventor** 

Step 1:

Login to App Inventor



### Launch Firefox or Chrome

#### Type: ai2.appinventor.mit.edu





## Enter your Gmail e-mail address and password





#### Welcome to App Inventor





#### App Inventor: Click Connect, Emulator...

| Firefox * 🛃 MIT App Inventor 2 + |                          |                                    |                                  |                              |
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| MIT App Inventor 2<br>Beta       | Project * Connect * Buik | d • Help • N                       | ly Projects Guide Report an Issu | e cdathenry.paul@gmail.com * |
| MyFirstProject                   | Screen1 • Al Companion   | s Screen                           |                                  | Designer Blocks              |
| Palette                          | Viewer US                |                                    | Components                       | Properties                   |
| User Interface                   | n n                      | isplay hidden components in Viewer | Screen1                          | btnClickMe                   |
| Button 🧿                         |                          | হিনা 🖻 9:48                        | btnClickMe                       | BackgroundColor              |
| CheckBox (?)                     |                          | Screen1                            |                                  | Default                      |
| Ö Clock 🧿                        |                          | Click Me                           |                                  | Enabled                      |
| image 🧿                          |                          |                                    |                                  | FontBold                     |
| 🔺 Label 📀                        |                          |                                    |                                  |                              |
| E ListPicker 🧿                   |                          |                                    |                                  | FontItalic                   |
| 🔺 Notifier 📀                     |                          |                                    |                                  | FontCize                     |
| PasswordTextBox (?)              |                          |                                    |                                  | 14.0                         |
| Slider 🤊                         |                          |                                    |                                  | FontTypeface                 |
| TextBox ?                        |                          |                                    |                                  | default                      |
| WebViewer 🧿                      |                          |                                    |                                  | Image                        |
| Lovout                           |                          |                                    |                                  | None                         |
| Madia                            |                          |                                    |                                  | Shape                        |
| meula                            |                          |                                    |                                  | rounded                      |
| Drawing and Animation            |                          |                                    |                                  | ShowFeedback                 |
| Sensors                          |                          |                                    | Rename Delete                    | Text                         |
| Social                           |                          |                                    | Media                            | Click Me                     |
| Storage                          |                          |                                    |                                  | TextAlignment -              |



# App Inventor: A dialog box will appear indicating the Emulator is starting.

| Hit fox - MIT App Inventor 2 +   |   |                           |                 |  |  |
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| MIT App Inventor 2<br>Beta Project + Connect + Build + Help + My Projects Guide Report an Issue cdathenry.paul@gmail.com + |   |                           |                 |  |  |
| MyFirstProject   | MyFirstProject Screen Add Screen Remove Screen Blocks |                           |                 |  |  |
| Palette  | Viewer  | Components                | Properties      |  |  |
| User Interface   | Display hidden components in Viewer                   | B Screen1                 | btnClickMe      |  |  |
| Button 🧿   | হিনা 🖻 9:48   | btnClickMe                | BackgroundColor |  |  |
| CheckBox 📀   | Screen1   |                           | Default         |  |  |
| Ö Clock (7)  | Click Me  |                           | Enabled         |  |  |
| image 📀  |   |                           | FontBold        |  |  |
| A Label (?)  | Connecting  |                           |                 |  |  |
| E ListPicker 💿   | Starting the Android Emulator                         |                           | FontItalic      |  |  |
| 🔺 Notifier 💿   |   |                           | FontCize        |  |  |
| PasswordTextBox 0  | Cancel  |                           | 14.0            |  |  |
| Slider 🧿   |   |                           | FontTypeface    |  |  |
| TextBox 🕐  |   |                           | default         |  |  |
| WebViewer 📀  |   |                           | Image           |  |  |
| Lavaut   |   |                           | None            |  |  |
| Layout   |   |                           | Shape           |  |  |
| Deswing and Asimation  |   |                           | rounded         |  |  |
|  |   |                           | ShowFeedback    |  |  |
| Sensors  |   | Rename Delete             | Text            |  |  |
| Social   |   | Media                     | Click Me        |  |  |
| Storage  |   |                           | TextAlignment   |  |  |



#### App Inventor: The first time the Emulator is launched it can take a considerable time.

| THEORY MIT App Inventor 2 +  |                 |                       |  |                 |                  |
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| MIT App Inventor 2<br>Beta Project * Connect * Build * Help * My Projects Guide Report an Issue cdathenry paul@gmail.com * |                 |                       |  |                 |                  |
| MyFirstProject   | 9               | Screen 1 • Add Screen | Remove Screen  |                 | Designer Blocks  |
| Palette  | ١               | Viewer                |  | Components      | Properties       |
| User Interface   |                 |                       | Display hidden components in Viewer                            | Screen1         | btnClickMe       |
| Button   | 0               |                       | 🦻 🤹 🕅 🕅 9:48   | btnClickMe      | BackgroundColor  |
| CheckBox   | 0               |                       | Screen1  |                 | Default          |
| Ö Clock  | 0               |                       | Click Me   |                 | Enabled E        |
| 🔛 Image  | 0               |                       |  |                 | FontBold         |
| A Label  | 0               |                       | Connecting   |                 |                  |
| ListPicker   | 0               |                       | Emulator started, waiting 17 seconds to ensure all is running. |                 | FontItalic       |
| A Notifier   | 0               |                       | Cancel   |                 | FontSize         |
| PasswordTextBox  | 0               |                       |  |                 | 14.0             |
| Slider   | 0               |                       |  |                 | FontTypeface     |
| TextBox  |                 |                       |  |                 | default 💌        |
| webviewer  | <sup>©</sup>    |                       |  |                 | Image            |
| Layout   |                 |                       |  |                 | None             |
| Media  |                 |                       |  |                 | Shape<br>rounded |
| Drawing and Animation  |                 |                       |  |                 | ShowFeedback     |
| Sensors  |                 |                       |  | Renzma Deleta   |                  |
| Social   |                 |                       |  | Inchanie Delete | Text             |
| Storage  |                 |                       |  | Media           | Click Me         |
|  | Leona de Carlos |                       |  |                 | TextAlignment -  |



# App Inventor: The dialog box will change as the Emulator starts up.

| Firefox 🔻 🔚 MIT App Invento | r2 -                | +                                   |                                | - 6 <b>x</b>                              |
|-----------------------------|---------------------|-------------------------------------|--------------------------------|---|
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| MyFirstProject              | Screen1 • Add Scre  | een Remove Screen                   |                                | Designer Blocks                           |
| Palette                     | Viewer              |                                     | Components                     | Properties                                |
| User Interface              |                     | Display hidden components in Viewer | 😑 🔲 Screen1                    | btnClickMe                                |
| Button G                    |                     | الاخ<br>الاخ                        | 9:48                           | BackgroundColor                           |
| CheckBox C                  |                     | Screen1                             |                                | Default                                   |
| Clock G                     |                     | Click Me                            |                                | Enabled                                   |
| image 🔅                     |                     |                                     |                                | FontBold                                  |
| A Label                     |                     | Connecting                          |                                |   |
| ListPicker G                |                     | Companion starting, waiting 1 seco  | onds to ensure all is running. | Fontitalic                                |
| \Lambda Notifier 🕜          |                     | Cancel                              |                                | FontSize                                  |
| PasswordTextBox (           |                     |                                     |                                | 14.0                                      |
| Slider (                    |                     |                                     |                                | FontTypeface                              |
| I TextBox                   |                     |                                     |                                | default                                   |
| WebViewer (                 |                     |                                     |                                | Image                                     |
| Lavout                      |                     |                                     |                                | None                                      |
| Media                       |                     |                                     |                                | Shape                                     |
| Drawing and Animation       |                     |                                     |                                |   |
| Soncore                     |                     |                                     |                                | ShowFeedback                              |
| Oesial                      |                     |                                     | Rename Dele                    | Text                                      |
| SUCIAI                      |                     |                                     | Media                          | Click Me                                  |
| storage                     |                     |                                     |                                | TextAlignment                             |



# Emulator: This is what the Emulator software looks like as it starts.





#### Emulator: As the Emulator completes its start-up it looks like a traditional Android softphone.





#### App Inventor: When the App Inventor Companion app launches it look like the this.





#### App Inventor: The App Inventor software checks to make sure the version of the Companion app is up to date.





#### App Inventor: Click the OK button to update the Companion App on the Emulator.

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| MyFirstProject   |             | Screen1 • Add Screen Remove Screen  |                  | Designer Blocks |
| Palette  |             | Viewer  | Components       | Properties      |
| User Interface   |             | Display hidden components in Viewer   | B Screen1        | btnClickMe      |
| Button   | 0           | হিনা 🖹 9:48   | btnClickMe       | BackgroundColor |
| CheckBox   | 0           | Screen1   |                  | Default         |
| 😸 Clock  | 0           | Click Me  |                  | Enabled         |
| 🥁 Image  | 0           |   |                  | FootBold        |
| A Label  | 0           | Companion Version Check   |                  |                 |
| ListPicker   | 0           | Your Companion App is out of date. Click "OK" to start the update.<br>Watch your emulator's screen because you will be asked to |                  | Fontitalic      |
| 🔺 Notifier   | 0           | approve the update.   |                  | Contrast (      |
| PasswordTextBox  | 0           | OK Not Now  |                  | 14.0            |
| Slider   | 0           |   |                  | FontTypeface    |
| TextBox  | 0           |   |                  | default         |
| WebViewer  | 0           |   |                  | Image           |
|  |             |   |                  | None            |
| Layout   |             |   |                  | Shape           |
| Media  |             |   |                  | rounded         |
| Drawing and Animatio   | n           |   |                  | ShowFeedback    |
| Sensors  |             |   | Rename Delete    | Toxt            |
| Social   |             |   |                  | Click Me        |
| Storage  |             |   | Media            | TextAlignment   |



#### App Inventor: The following dialog box will appear as the Emulator begins to update the software.

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| MIT App Inventor         | MIT App Inventor 2<br>Beta Project • Connect • Build • Help • My Projects Guide Report an Issue cdathenry paul@gmail.com • |   |                           |                 |  |
| MyFirstProject           |  | Screen1 • Add Screen Remove Screen                          |                           | Designer Blocks |  |
| Palette                  |  | Viewer  | Components                | Properties      |  |
| User Interface           |  | Display hidden components in Viewer                         | B Screen1                 | btnClickMe      |  |
| Button                   | 0  | କ୍ଲା 🖹 9:48   | btnClickMe                | BackgroundColor |  |
| CheckBox                 | 0  | Screen1   |                           | Default         |  |
| Ö Clock                  | 0  | Click Me  |                           | Enabled         |  |
| 🥁 Image                  | 0  |   |                           | FontBold        |  |
| A Label                  | 0  | Software Update   |                           |                 |  |
| ListPicker               | 0  |   |                           | FontItalic      |  |
| A Notifier               | 0  | We are now downloading update from the App Inventor Server, |                           | EontSize        |  |
| PasswordTextBox          | 0  | please standby  |                           | 14.0            |  |
| Slider                   | 0  |   | _                         | FontTypeface    |  |
| TextBox                  | 0  |   |                           | default         |  |
| WebViewer                | 0  |   |                           | Image           |  |
| Lavout                   |  |   |                           | None            |  |
| Media                    |  |   |                           | Shape           |  |
| Drawing and Animation    |  |   |                           | OhauFaadhaak    |  |
| Sensors                  |  |   |                           | Showreedback    |  |
| Social                   |  |   | Rename Delete             | Text            |  |
| Storago                  |  |   | Media                     | Click Me        |  |
| Storage                  |  |   |                           | TextAlignment   |  |



#### Please note: The information in this dialog box is important. When the app is updated do not launch the app.





### Emulator: In the Emulator click the OK button to update the version of the

Companion app.





#### Emulator: Click the Install button.





# Emulator: Click the Done button. Do not click the Open button.





#### App Inventor: Click Connect, Reset Connection. This will shutdown the Emulator.

MIT App Inventor 2 A ai2.appinventor.mit.edu/#4632911529639936 ☆ マ C 8 - Google P □ + ↑ MIT App Inventor 2 Project \* Connect \* Build \* Help \* My Projects Guide Report an Issue cdathenry.paul@gmail.com \* Screen1 \* Designer Blocks Emulato Palette Viewer USB Components Properties liser Interface Screen1 htnClickMe isplay hidden components in Viewe 9:48 📓 🕼 btnClickMe Button ? Hard Reset BackgroundColor CheckBox Default (?) Click Me Clock 1 Enabled 🌌 Image 1 FontBold A Label ListPicke 1 FontItalic A Notifier 0 FontSize PasswordTextBox 14.0 Slider ? FontTypeface TextBox 0 default -WebViewer 0 Image None. Layout Shane Media • rounded Drawing and Animation ShowFeedback Sensors Rename Delete Text Social Click Me Media Storage TextAlignment



## App Inventor: Click Connect, Emulator to re-launch the updated Emulator.

