

App Inventor components for the coursework app

The first coursework app will be a basic “minimal viable product”, it should be built mainly with components that use capabilities internal to the device to interact with the user. The second coursework app will include components for more sophisticated interaction with the outside world.

The listings below are intended as an indication of which components are suitable for which app. This is for guidance only, we are not forbidding you from deviating from this guidance, but please be aware that if you do so you may find that you either over-commit on coursework app 1 or do not produce an app with a suitable level of sophistication for coursework app 2.

For the avoidance of doubt: you do not have to use *all* the components listed; just some of them.

A full listing of all components is available on the App Inventor site at <http://ai2.appinventor.mit.edu/reference/components/>

Components for coursework app 1

The following components are suggested as suitable for the first coursework app:

UI components: Button, CheckBox, DatePicker, Image, Label, ListPicker, ListView, Notifier, PasswordTextBox, Screen, Slider, Spinner, TextBox, TimePicker (but not WebViewer)
Layout Components: All. HorizontalArrangement, HorizontalScrollArrangement, TableArrangement, VerticalArrangement, VerticalScrollArrangement
Media Components: Camcorder, Camera, ImagePicker, Player, Sound, SoundRecorder, TextToSpeech, MediaPlayer
Drawing and Animation Components: Ball, Canvas, ImageSprite
Sensor Components: Clock
Storage: File, TinyDB

Components for coursework app 2

The following components are suggested as suitable for the second coursework app:

You may use all those listed for app 1. But only the components listed below count as required app2 components for CW2.

UI components: WebViewer
Media Components: SpeechRecognizer, YandexTranslate
Sensor Components: AccelerometerSensor, BarcodeScanner, GyroscopeSensor, LocationSensor, NearField, OrientationSensor, Pedometer, ProximitySensor (**NB**, not all devices will have hardware support for all these sensors)
Social Components: ContactPicker, EmailPicker, PhoneCall, PhoneNumberPicker, Sharing, Texting, Twitter.
Storage: FusionTablesControl, TinyWebDB, FirebaseDB
Connectivity Components: ActivityStarter, BluetoothClient, BluetoothServer, Web