Table 1: Java classes used to develop the CIT app

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| **Class(s)** | **Purpose** |
| Arduino, ArduinoListener | It implements the communication between the Arduino board (bridge) and the android app. |
| DocumentationActivity | It invokes the documentation activity. |
| FunctionGenerator | It generates the reference input signals to the systems, and uses the algorithm in [15]. |
| LayoutSwitch | It makes certain section of the application invisible generating more space for the user. |
| ListenerForFunctionGenerator, SignalComplimentListener, and SignalTypeListener | They apply changes of the function generator in real-time. |
| ListenerForGraphZoomCheck, and ListenerGraphZoomButton | They permit zooming a figure to explore it in detail. |
| ListenerForSamplingTimeEditText | It permits changing the sampling time in real-time. |
| MainActivity | It invokes the CIT application, uses all the classes in this table to display the main GUI, and performs real-time experiments. |
| Model, Parameter, and Figure | They contain the structure to store the algorithm and variables. These classes are used in the MainActivity to generate their corresponding view, and to implement the identification and control algorithms in real-time. |
| SettingsActivity | It invokes the settings activity. |