

MIT APP LOGIC BLOCKS SECTION

The screenshot displays the MIT App Inventor web interface. The top navigation bar includes the MIT App Inventor logo and links for Projects, Connect, Build, Settings, and Help. A secondary bar shows 'IOT_APP_WITH_LOGIN' and buttons for Screen1, Add Screen, Remove Screen, and Publish to Gallery.

The left sidebar, titled 'Blocks', contains a 'Built-in' section with categories: Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, and Procedures. Below this is a 'Screen1' section listing components: VerticalArrangement2, VerticalArrangement1, Label1, Label2, TextBox1, PasswordTextBox1, and Label3. At the bottom of the sidebar are 'Rename' and 'Delete' buttons, and a 'Media' section with an 'Upload File...' button.

The main 'Viewer' area shows the logic blocks for the application:

- when SIGN_UP BUTTON Click**:
 - do call FirebaseDB1 StoreValue
 - tag TextBox1 Text
 - valueToStore PasswordTextBox1 Text
- when LOGIN BUTTON Click**:
 - do call FirebaseDB1 GetValue
 - tag TextBox1 Text
 - valueIfTagNotThere NA
- when Click1 Timer**:
 - do set Web1 Uri to https://node-red-ixus-2022-11-05-eu-gb.mybluemix.net
 - call Web1 Get
- when Button3 Click**:
 - do set VerticalArrangement2 Visible to false
 - set VerticalArrangement1 Visible to true
 - set TextBox1 Text to
 - set PasswordTextBox1 Text to
 - set Label2 Text to RE-ENTER CREDENTIALS
- when FirebaseDB1 GetValue**:
 - do if get tag == TextBox1 Text
 - then if get value == PasswordTextBox1 Text
 - then set VerticalArrangement2 Visible to true
 - set VerticalArrangement1 Visible to false
 - set Label2 Text to WRONG CREDENTIALS
- when Web1 GotText**:
 - do set TextBox2 Text to look up in pairs key pH
 - pairs call Web1 JsonTextDecodeWithDictionaries
 - jsonText get responseContent
 - notFound not found
 - set TextBox3 Text to look up in pairs key Turbidity
 - pairs call Web1 JsonTextDecodeWithDictionaries
 - jsonText get responseContent
 - notFound not found
 - set TextBox4 Text to look up in pairs key Temperature
 - pairs call Web1 JsonTextDecodeWithDictionaries
 - jsonText get responseContent
 - notFound not found

At the bottom of the logic blocks area, there are two warning icons (a yellow triangle and a red X) with a count of 0, and a 'Show Warnings' button.