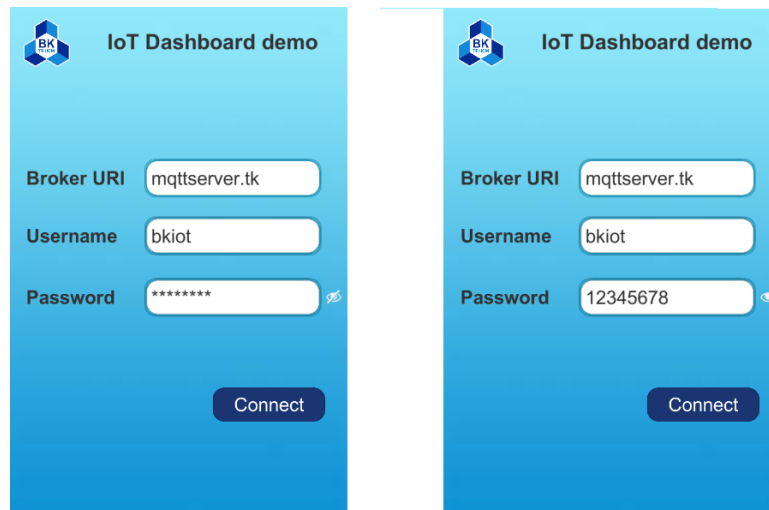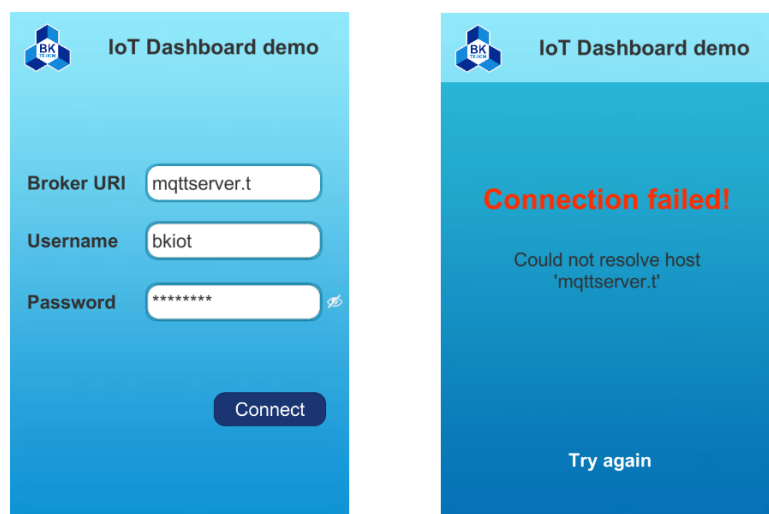# IoT Dashboard APP

1 Introduction

1.1 Screen 1

In first screen, there are 3 input fields which is information about broker uri, username and password and 1 button for connecting to server. We can hide or show password by clicking on eye icon. When app is starting 3 input fields will be fill with the last submit.
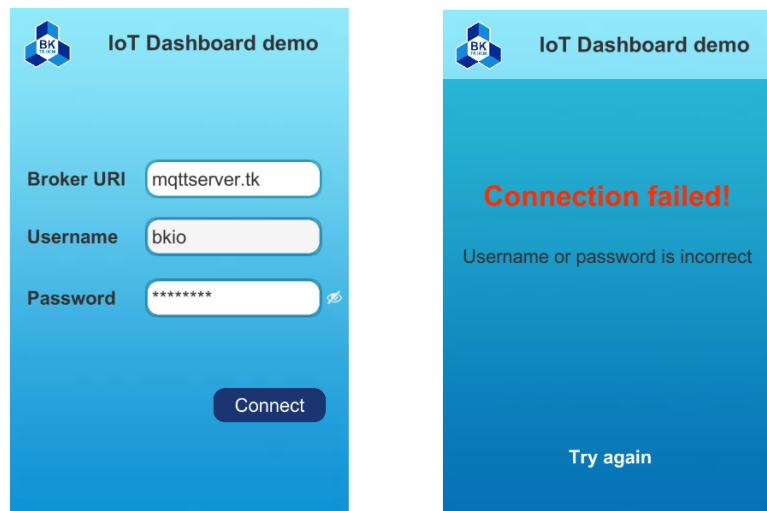

Hình 1: *First screen GUI*

If error happen after clicking connect button, then an error screen will display to announce errors. We can back to screen 1 by clicking on "Try again".

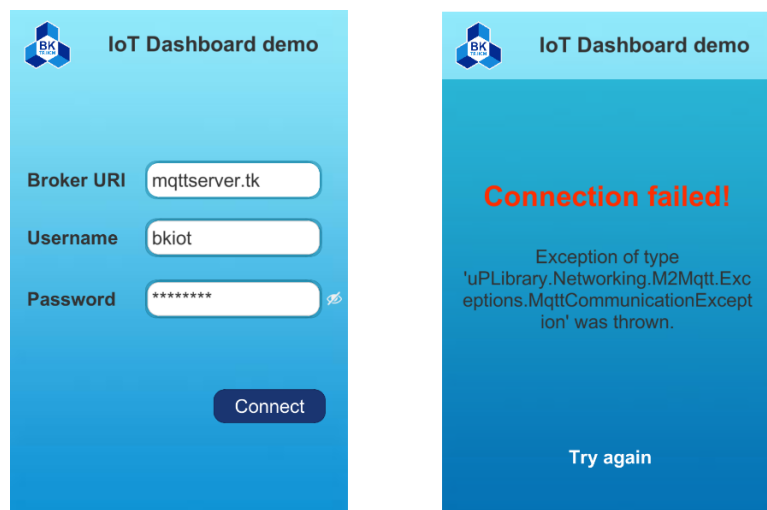- Error when broker uri is wrong

Hình 2: *Error when broker uri is wrong*

- Error when username or password is wrong

Hình 3: *Error when username or password is wrong*
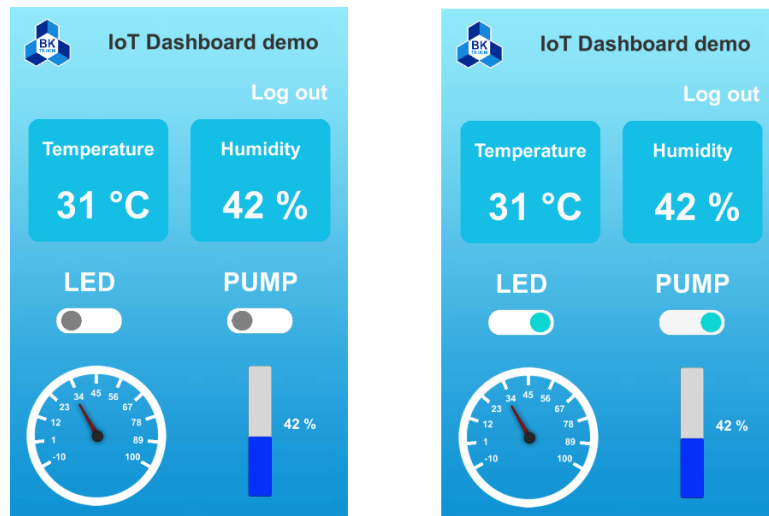
- Error when connecting to server failed

Hình 4: *Error when connecting to server failed*

1.2 Screen 2

There are 7 components:

- 1 for logout: When is clicked it will disconnect to server and return first screen.

- 2 for display temperature and humidity: Display value of temperature and humidity in text.

- 2 for switches: When is clicked it will change state of LED or PUMP.

- 1 analog gauge: simulating value of temperature.

- 1 digital gauge: simulating value of humidity.

Hình 5: *Second screen GUI*

When connect screen 2 is loading, informations about temperature and humidity is the last received value. When received new values it will update to follow.

1.3 Github link

- Working source code:

  - File M2MqttUnityIoTDashboard.cs: Click here (Connect to server and make UI)
  - File analogGauge.cs: Click here (For making analog gauge)