

SPRINT 4

HAZARDOUS AREA MONITORING IN INDUSTRIAL POWER PLANT USING IOT

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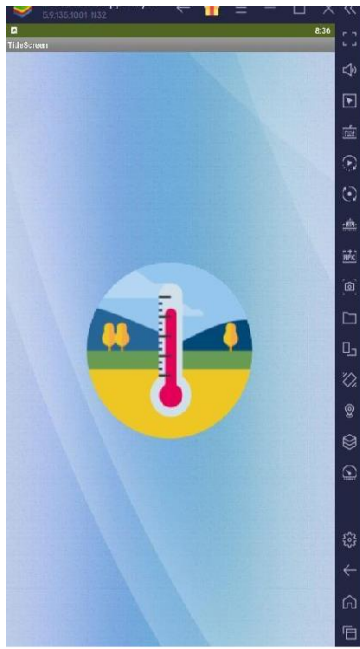
Task:

A mobile application for monitoring the Environment parameters around the region of an industry has been developed using MIT App Inventor.

Screens Information:

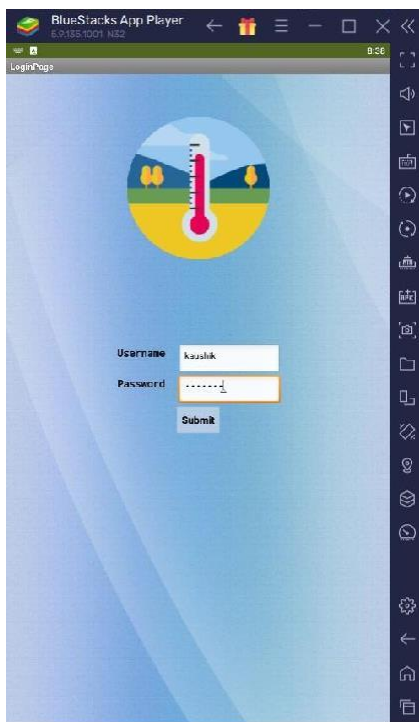
1. **Screen – 1:** It is the entry screen of the mobile application and will be displayed only for 2000 milli-seconds.
2. **Screen – 2:** It is the login page of the application. Each user has their own user id and password, which is known only to them. After validating the credential, the user can access the data captured by the placed device.
3. **Screen – 3:** Environmental parameters in the area of the industry like temperature is obtained via sensors and is sent to the mobile device.

SCREEN 1:



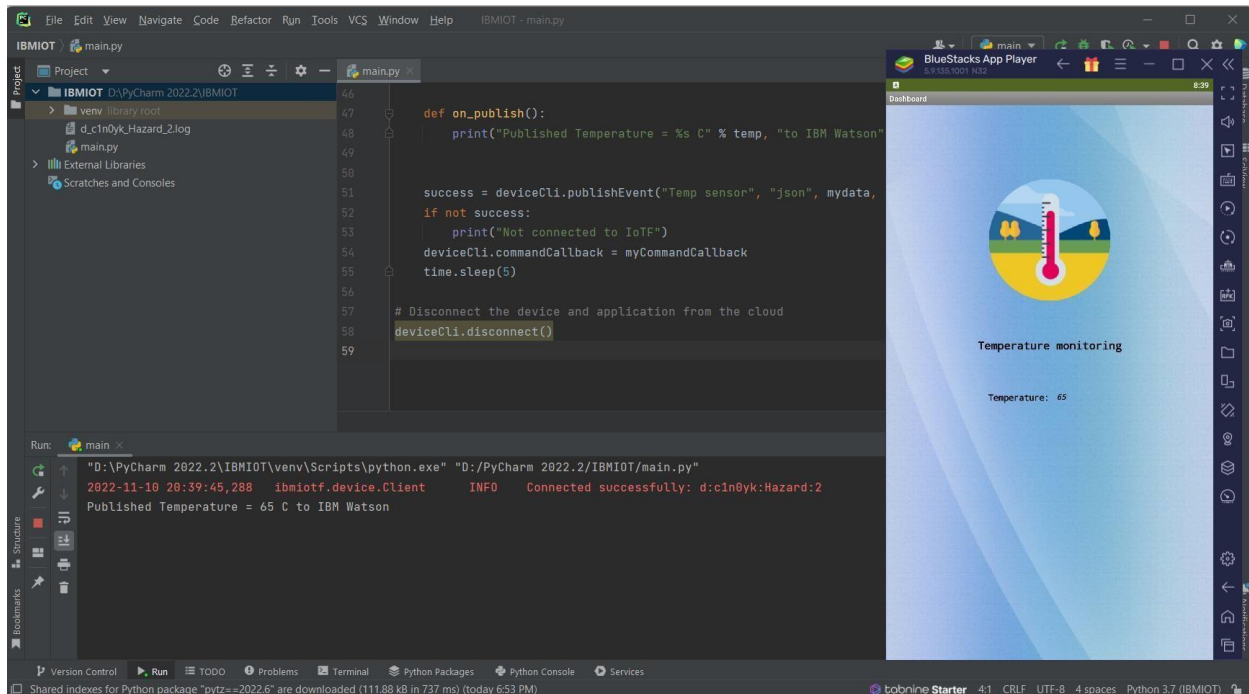
```
when Clock1.Timer
do open another screen screenName Screen2
```

SCREEN 2:



```
when Button1.Click
do
  if
    TextBox2.Text = kaushik and PasswordTextBox1.Text = kaushik
  then
    open another screen screenName Screen3
  else
    call Notifier1.ShowAlert
    notice Invalid credentials
```

Case 1 (When the temperature is within limit):



Case 2 (When temperature exceeds normal (95 C) value):

