Sprint-4

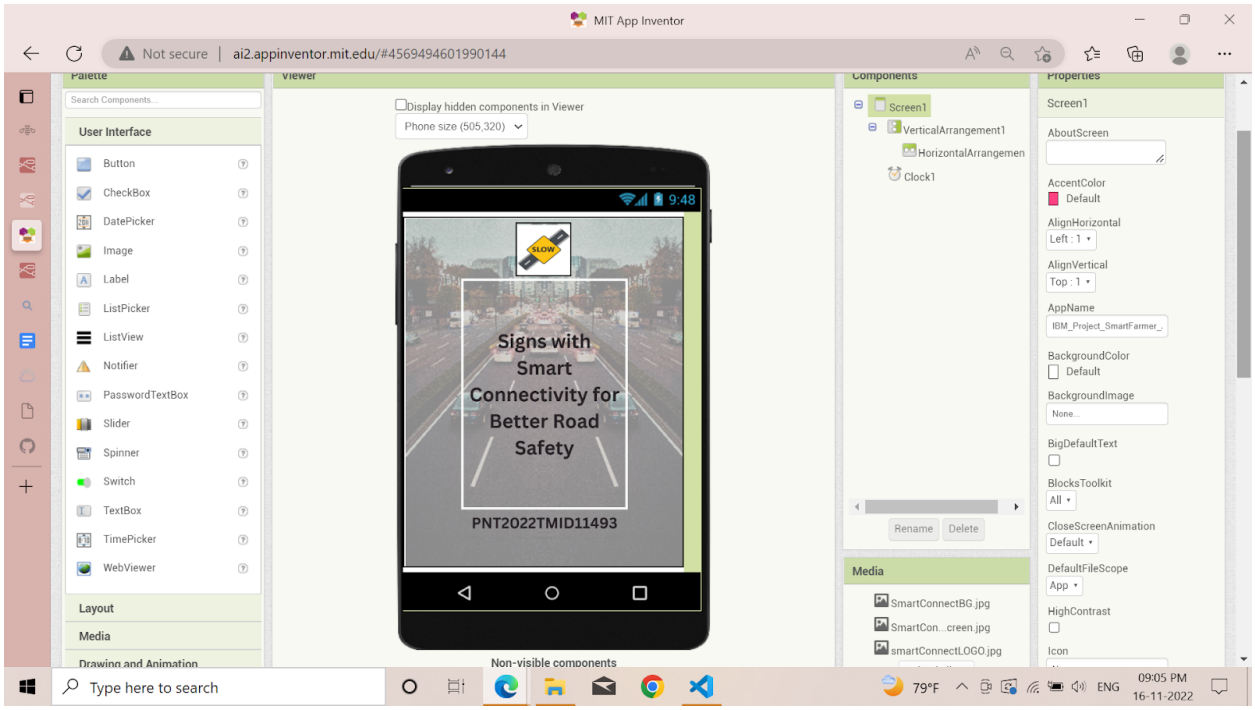
Team ID	PNT2022TMID11493
Project Title	Signs with smart connectivity for better road safety
Date	15/11/22

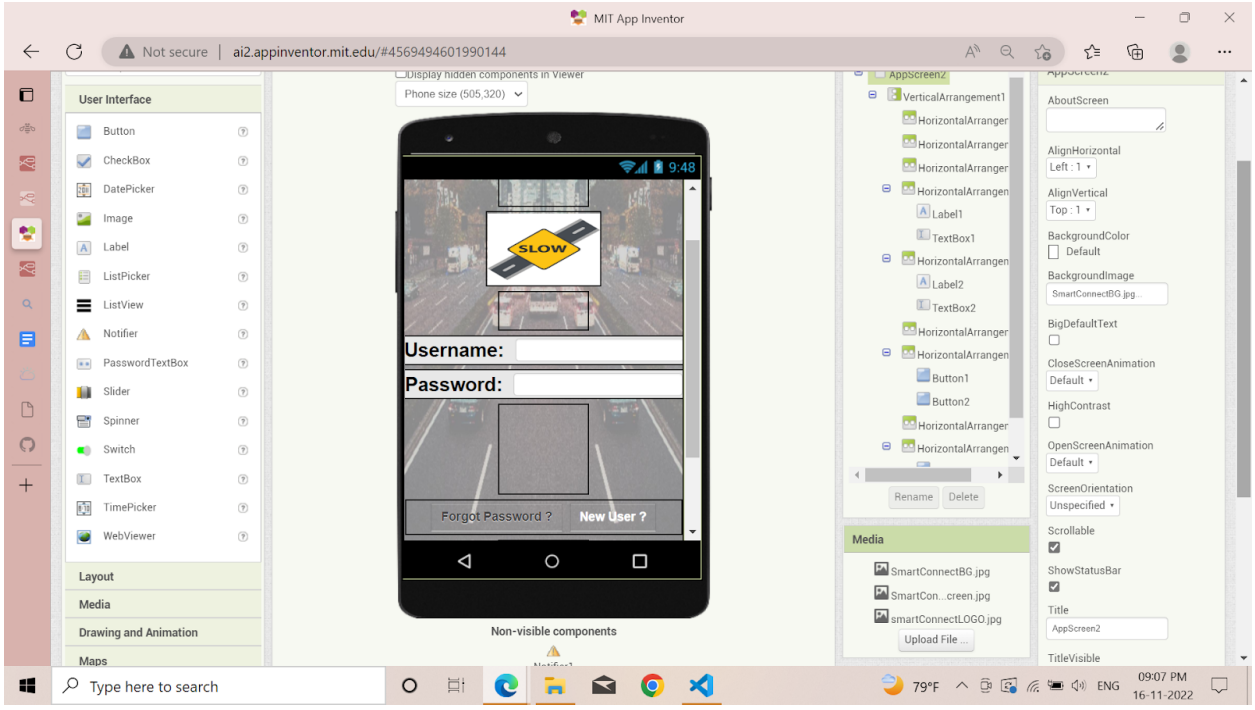
MIT App Inventor:

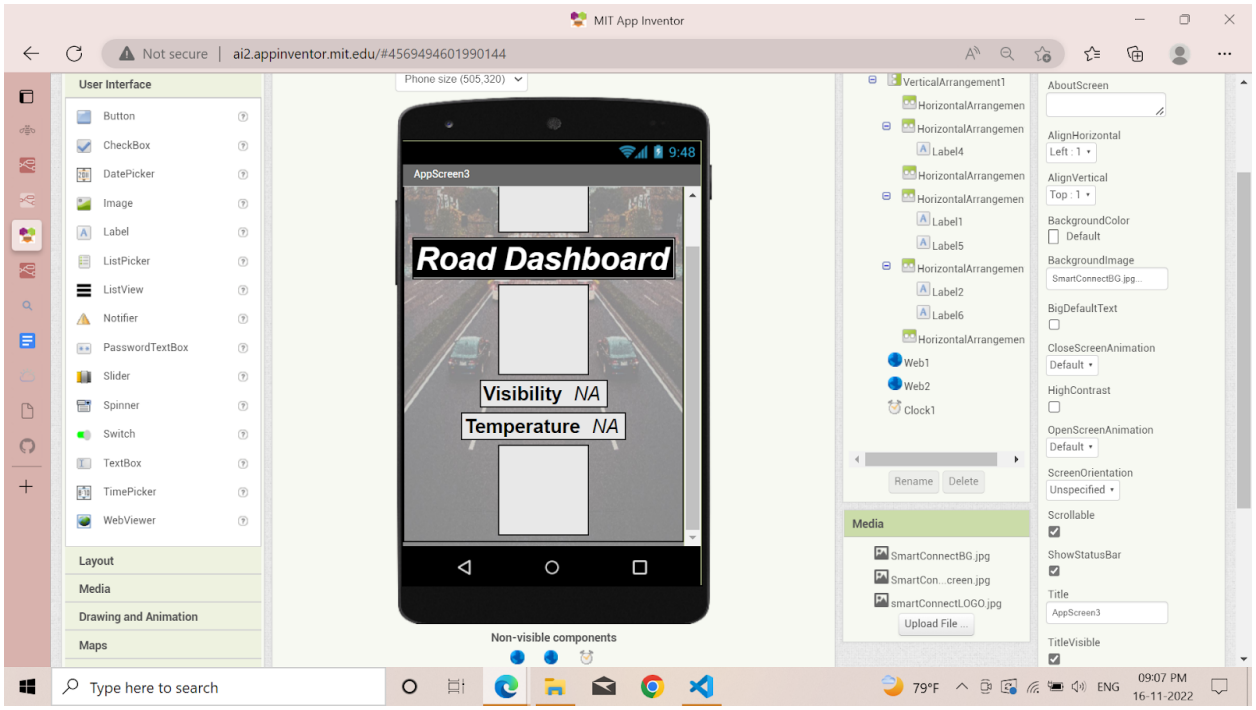
MIT App Inventor is an online platform designed to teach computational thinking concepts through development of mobile applications. Students create applications by dragging and dropping components into a design view and using a visual blocks language to program application behavior. MIT App Inventor is an online development platform that anyone can leverage to solve real-world problems. It provides a web-based “What you see is what you get” (WYSIWYG) editor for building mobile phone applications targeting the Android and iOS operating systems. It uses a block-based programming language built on Google Blockly (Fraser, 2013) and inspired by languages such as StarLogo TNG (Begel & Klopfer, 2007) and Scratch (Resnick et al., 2009; Maloney, Resnick, Rusk, Silverman, & Eastmond, 2010), empowering anyone to build a mobile phone app to meet a need.

Number of Screens of the App:

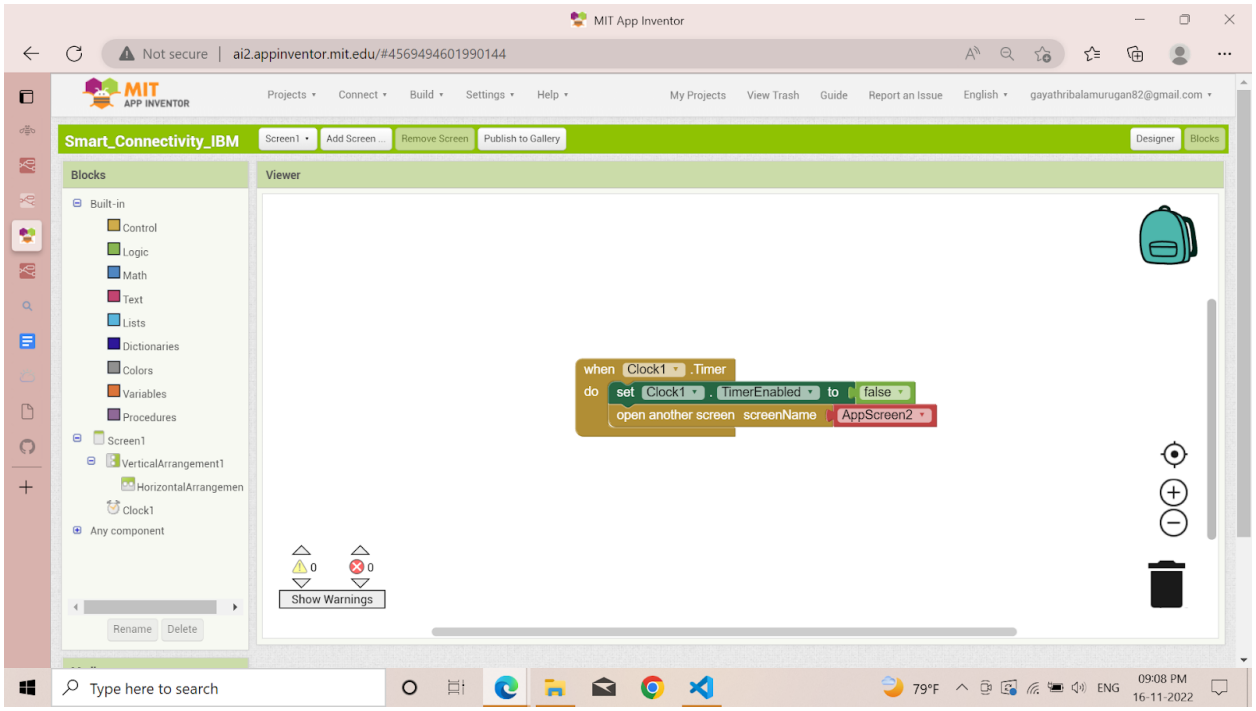
1. **Front Screen.**
2. **Login the app with credentials.**
3. **Dashboard with Motor Controls**.

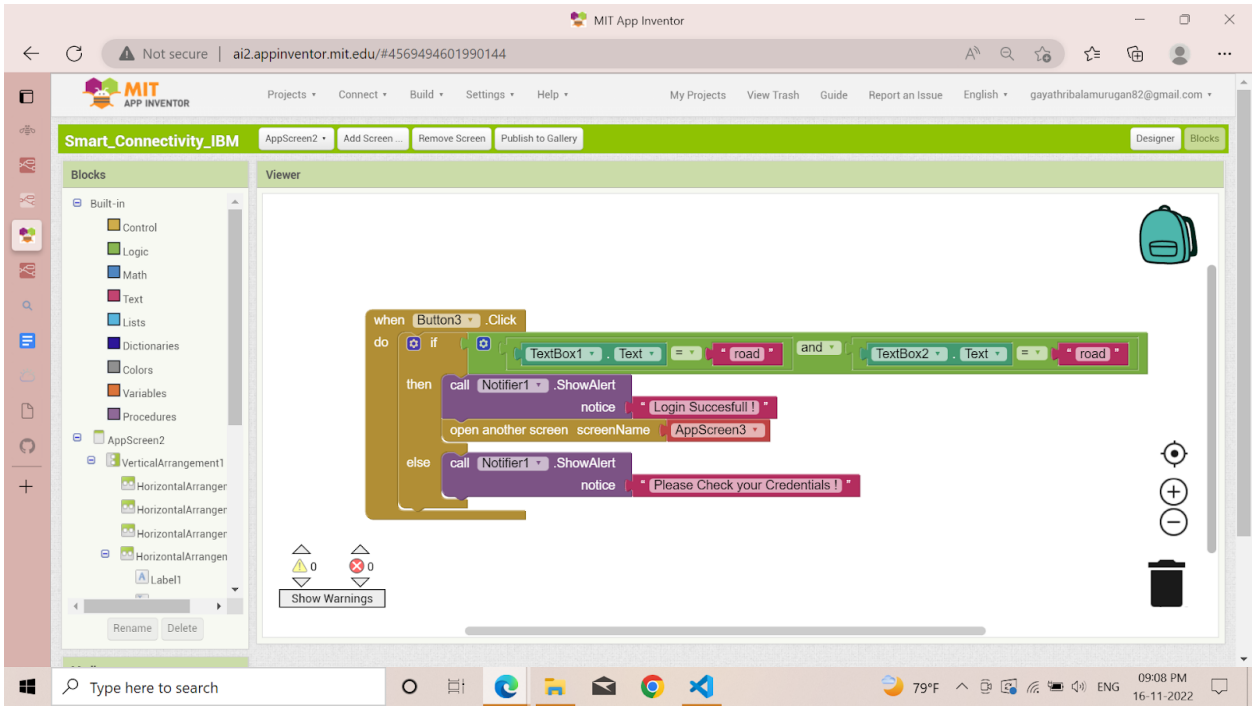

MIT App Inventor
Not secure | ai2.appinventor.mit.edu/#4569494601990144
Palette
Search Components...
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Viewer
Display hidden components in Viewer
Phone size (505,320)
9:48
SLOW
Signs with Smart Connectivity for Better Road Safety
PNT2022TMID11493
Non-visible components
Components
Screen1
VerticalArrangement1
HorizontalArrangemen
Clock1
Rename
Delete
Media
SmartConnectBG.jpg
SmartCon...creen.jpg
smartConnectLOGO.jpg
Properties
Screen1
AboutScreen
AccentColor
Default
AlignHorizontal
Left : 1
AlignVertical
Top : 1
AppName
IBM_Project_SmartFarmer_
BackgroundColor
Default
BackgroundImage
None...
BigDefaultText
BlocksToolkit
All
CloseScreenAnimation
Default
DefaultFileScope
App
HighContrast
Icon
Type here to search
79°F
ENG
09:05 PM
16-11-2022


MIT App Inventor
Not secure | ai2.appinventor.mit.edu/#4569494601990144
User Interface
Button
CheckBox
DatePicker
Image
Label
ListPicker
ListView
Notifier
PasswordTextBox
Slider
Spinner
Switch
TextBox
TimePicker
WebViewer
Layout
Media
Drawing and Animation
Maps
Display hidden components in Viewer
Phone size (505,320)
9:48
SLOW
Username:
Password:
Forgot Password ?
New User ?
Non-visible components
AppScreen2
VerticalArrangement1
HorizontalArranger
Label1
TextBox1
Label2
TextBox2
Button1
Button2
Rename
Delete
Media
SmartConnectBG.jpg
SmartCon...creen.jpg
smartConnectLOGO.jpg
Upload File ...
AboutScreen
AlignHorizontal
Left : 1
AlignVertical
Top : 1
BackgroundColor
Default
BackgroundImage
SmartConnectBG.jpg...
BigDefaultText
CloseScreenAnimation
Default
HighContrast
OpenScreenAnimation
Default
ScreenOrientation
Unspecified
Scrollable
ShowStatusBar
Title
AppScreen2
TitleVisible
Type here to search
79°F
ENG
09:07 PM
16-11-2022



Codes blocks:




MIT App Inventor
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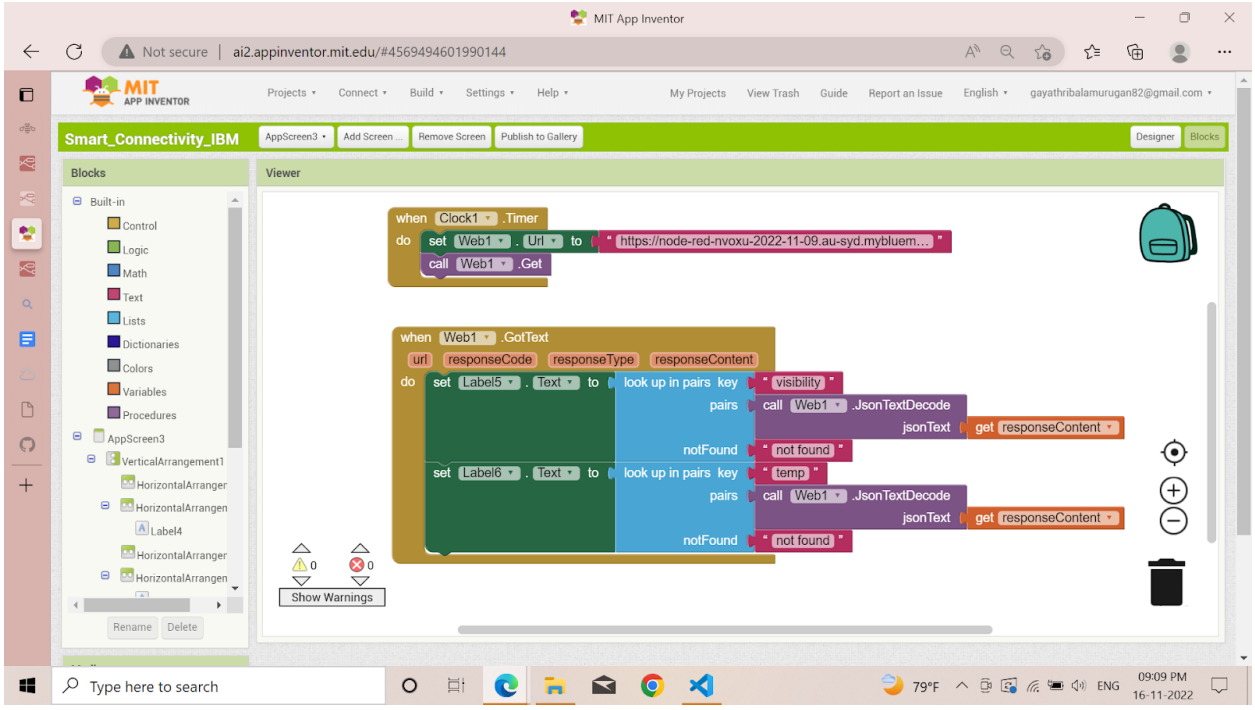
MIT APP INVENTOR
Projects
Connect
Build
Settings
Help
My Projects
View Trash
Guide
Report an Issue
English
gayathribalamurugan82@gmail.com
Smart_Connectivity_IBM
AppScreen2
Add Screen ...
Remove Screen
Publish to Gallery
Designer
Blocks
Blocks
Viewer
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
AppScreen2
VerticalArrangement1
HorizontalArranger
HorizontalArranger
HorizontalArranger
HorizontalArrangen
Label1
Rename
Delete
when Button3 .Click
do if TextBox1 . Text = " road " and TextBox2 . Text = " road "
then call Notifier1 .ShowAlert
notice " Login Succesfull ! "
open another screen screenName AppScreen3
else call Notifier1 .ShowAlert
notice " Please Check your Credentials ! "
0
0
Show Warnings
Type here to search
79°F
ENG
09:08 PM
16-11-2022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AppScreen3
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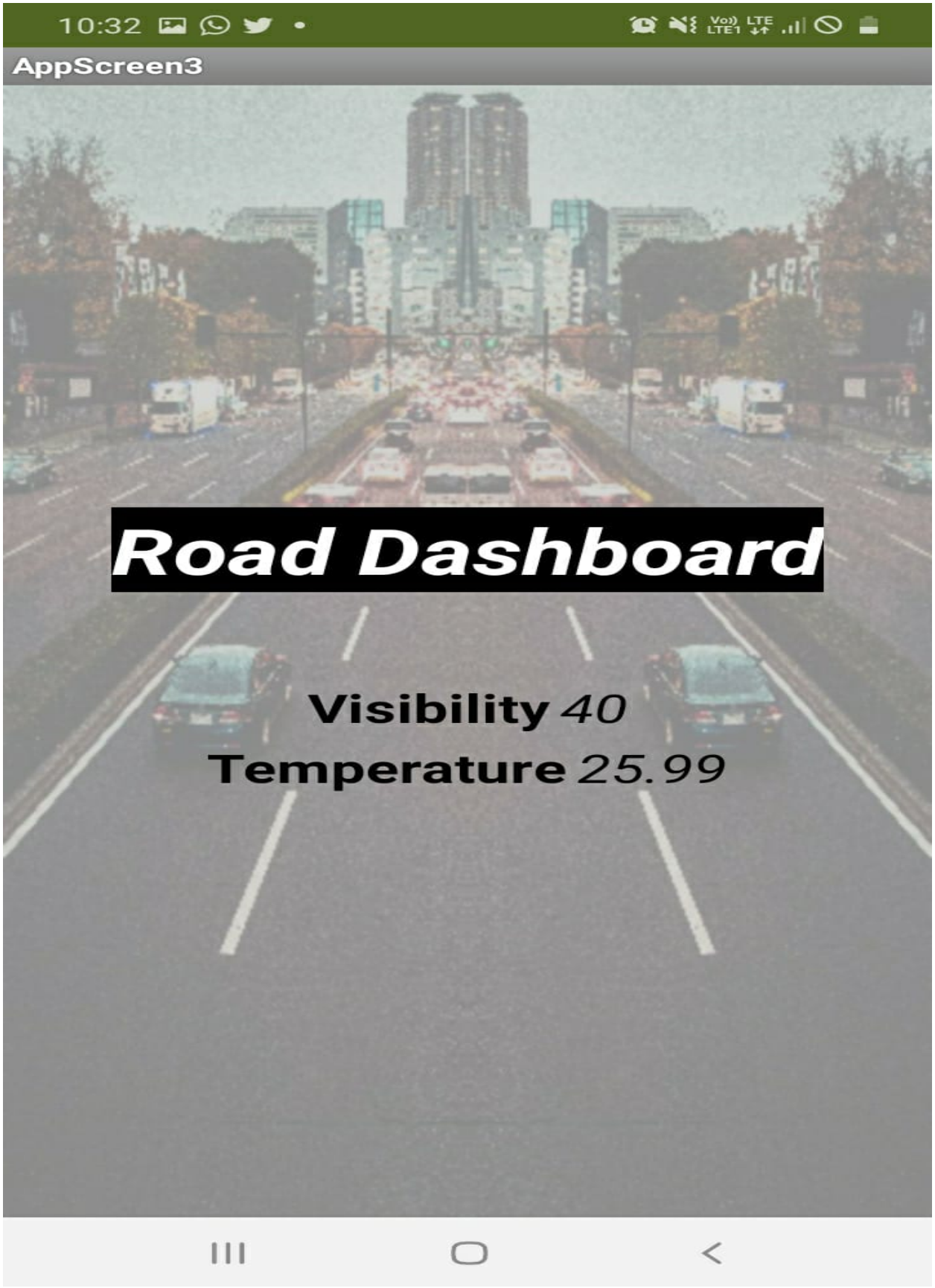
Blocks
Viewer
Built-in
Control
Logic
Math
Text
Lists
Dictionaries
Colors
Variables
Procedures
AppScreen3
VerticalArrangement1
HorizontalArranger
HorizontalArrangen
Label4
HorizontalArranger
HorizontalArrangen
Rename
Delete
when Clock1 .Timer
do set Web1 . Url to " https://node-red-nvoxu-2022-11-09.au-syd.mybluem... "
call Web1 .Get
when Web1 .GotText
url responseCode responseType responseContent
do set Label5 . Text to look up in pairs key " visibility "
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound " not found "
set Label6 . Text to look up in pairs key " temp "
pairs call Web1 .JsonTextDecode
jsonText get responseContent
notFound " not found "
0
0
Show Warnings
Type here to search
79°F
ENG
09:09 PM
16-11-2022

10:32
SLOW
Signs with Smart Connectivity for Better Road Safety
PNT2022TMID11493

10:32
SLOW
Please Check your Credentials !
Password:
ro
Forgot Password ?
New User ?
Drive !!


10:32
AppScreen3
Road Dashboard
Visibility 40
Temperature 25.99