

# **SPRINT-1**

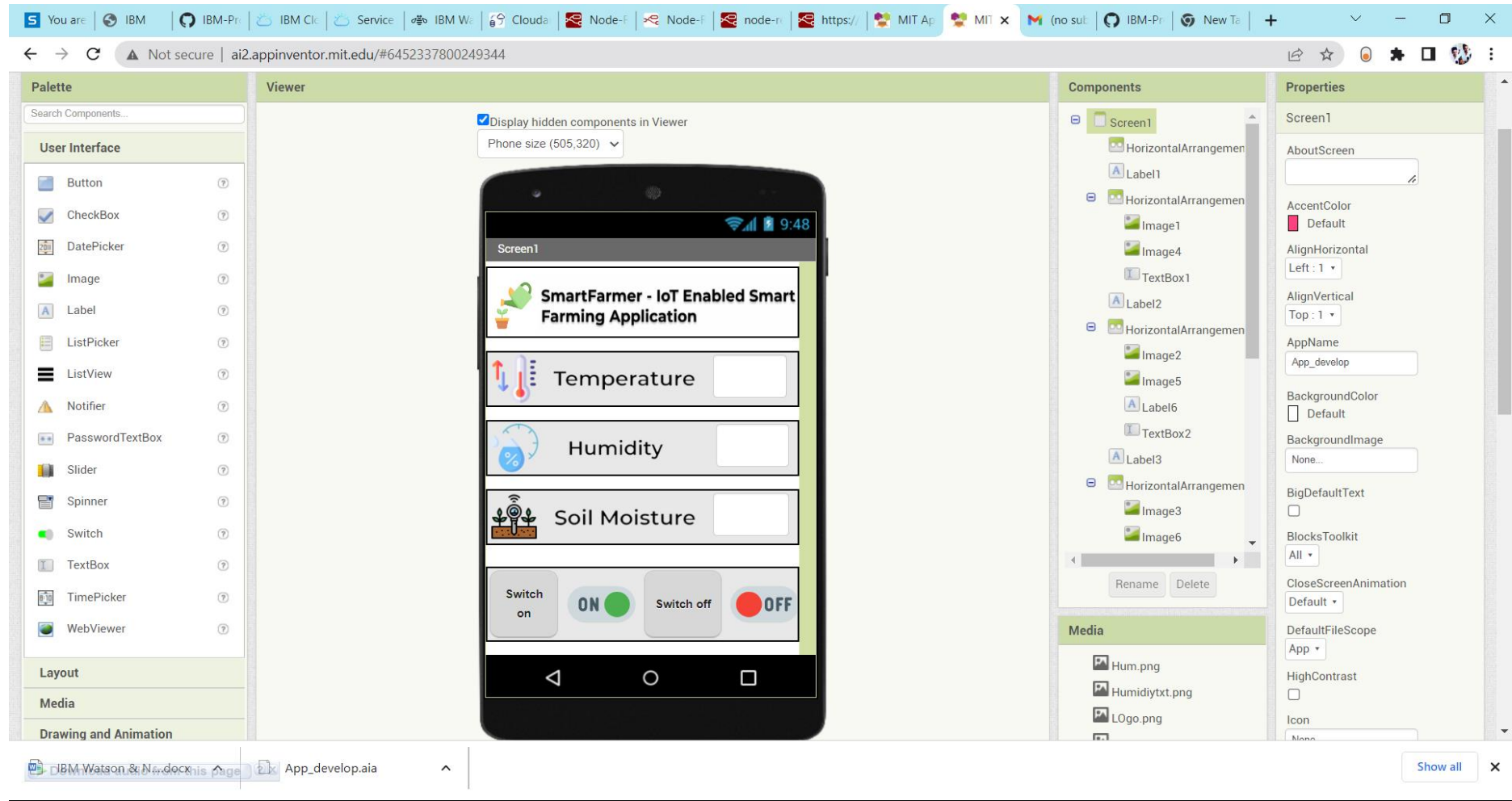
Team ID	PNT2022TMID42646
<u>Project Name</u>	Smart farmer - IoT Enabled smart farming application.

## **Project Tracker**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	15	5 Days	26 Oct 2022	30 Oct 2022	15	30 Oct 2022
Sprint-2	15	7 Days	31 Oct 2022	06 Nov 2022		07 Nov 2022
Sprint-3	15	6 Days	07 Nov 2022	12 Nov 2022		13 Nov 2022
Sprint-4	15	6 Days	13 Nov 2022	18 Nov 2022		18 Nov 2022 – 19 Nov 2022

<b>S.NO</b>	<b>Tools &amp; Technology Used</b>
1	MIT App Inventor – For Creating Application
2	Cloudant DB – Used as a Database to store the received sensor data
3	Manual Testing – Apps are tested manually

# Home Screen Creation



# Blocks Creation

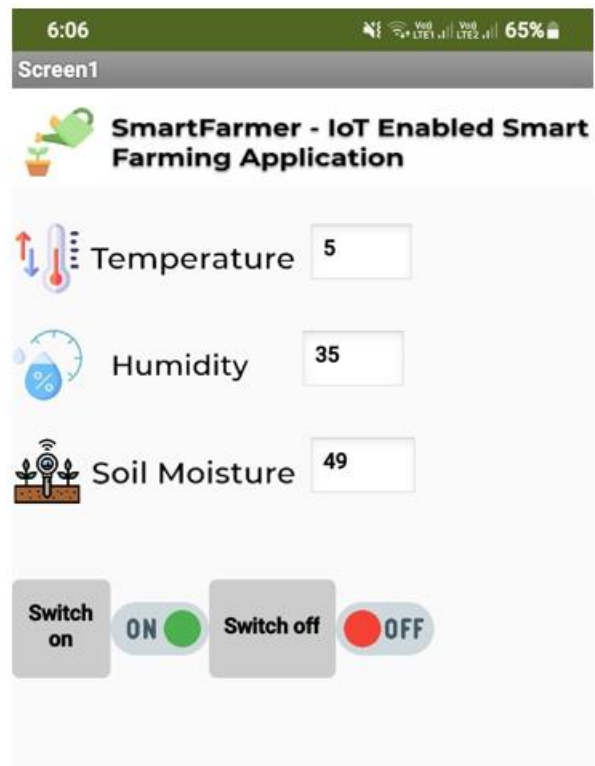
The screenshot displays the MIT App Inventor web application. The browser's address bar shows the URL `ai2.appinventor.mit.edu/#6452337800249344`. The interface includes a top navigation bar with links for Projects, Connect, Build, Settings, and Help. Below this, a green header bar for the project 'App\_develop' contains buttons for 'Screen1', 'Add Screen...', 'Remove Screen', and 'Publish to Gallery'. On the right of this bar are 'Designer' and 'Blocks' tabs.

The left sidebar is divided into 'Blocks' and 'Media' sections. The 'Blocks' section lists various categories: Built-in (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures), Screen1 (HorizontalArrangement, Label1), and another HorizontalArrangement section (Image1, Image4, TextBox1). The 'Media' section is currently empty.

The main 'Viewer' area shows a visual programming block. It starts with a 'when Clock1.Timer' event, followed by a 'do' block containing 'set Web1.Url to http://node-red-ogtdt-dj.eu-gb.mybluemix.net/data' and 'call Web1.Get'. Below this is a 'when Web1.GetText' event, followed by a 'do' block. This block contains three 'look up in pairs' blocks, each with a 'key' (temperature, humidity, and an unlabeled one) and a 'pairs' block. The 'pairs' blocks are connected to 'call Web1.JsonTextDecode' blocks, which then connect to 'jsonText.get responseContent' blocks. Each 'look up in pairs' block has a 'notFound' block connected to it. A tooltip for the 'look up in pairs' block reads: 'Returns the value associated with the key in the list of pairs'. Below these are two 'when Button1.Click' and 'when Button2.Click' events, each followed by a 'do' block containing 'set Web2.Url to https://node-red-ogtdt-dj.eu-gb.mybluemix.net/co...' and 'call Web2.Get'.

At the bottom of the interface, there is a status bar showing 'IBM Watson & N...' and 'App\_develop.aia'. A 'Show all' button is visible in the bottom right corner.

## Mobile Application



# Cloudant DB

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186d5c7f-c4f5-44be-87d2-35d8be9944fc-bluemix.cloudant.com/dashboard.html#database/smartfarmer\_db/\_all\_docs

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smartfarmer\_db

Document ID

Options

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All Documents

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Query

Permissions

Changes

Design Documents

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Log Out

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Table

Metadata

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Create Document

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Showing document 1 - 100. Documents per page: 100

Screenshot\_20221...jpg

IBM Watson & N....docx

App\_developa.ia

Show all