

SPRINT-3

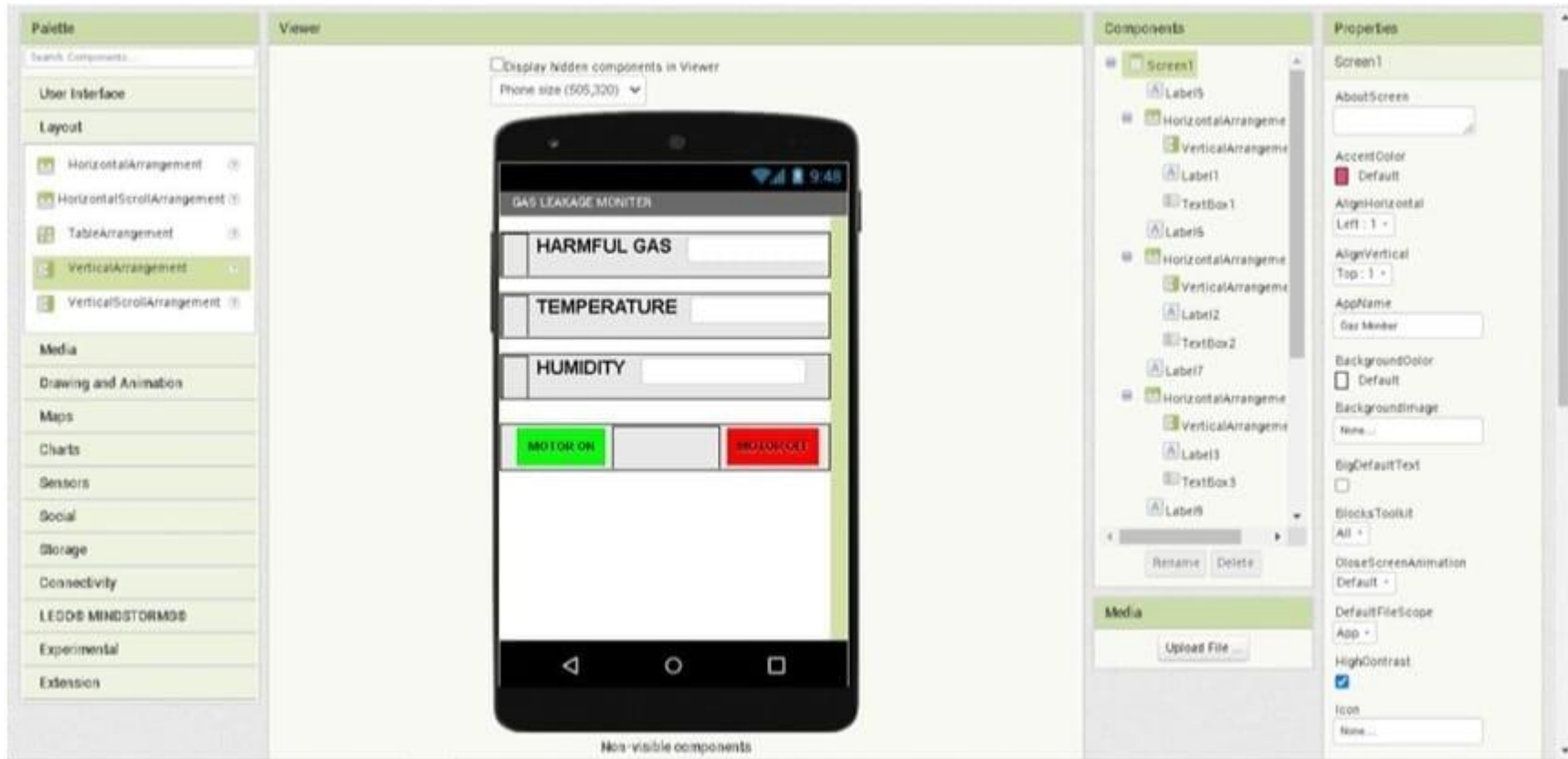
Team ID	PNT2022TMID15437
Project Name	Gas Leakage Monitoring and Alerting System

S.NO	Tools & Technology Used
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

BLOCK CREATION:

The screenshot displays the 'Gas_monitor' app interface. The top bar includes 'Screen1', 'Add Screen...', 'Remove Screen', and 'Publish to Gallery' buttons, along with 'Designer' and 'Blocks' tabs. The left sidebar, titled 'Blocks', lists categories: Built-in (Control, Logic, Math, Text, Lists, Dictionaries, Colors, Variables, Procedures), Screen1, Label5, HorizontalArranger, VerticalArranger, Label1, TextBox1, and Label6. The main 'Viewer' area shows a visual programming workspace with three event-driven blocks: 'when Click1 Click', 'when Web1 Get Text', and 'when Button1 Click'. Each event block contains a 'do' block with a 'set \$url to' block pointing to a URL and a 'call \$web1 Get' block. The 'Web1 Get Text' block is expanded, revealing a 'get' block with three outputs: 'responseCode', 'responseType', and 'responseContent'. These are connected to a series of 'if' blocks. The first 'if' block checks 'responseCode' for '200'. If true, it connects to 'Name/Email', 'joinText', and 'get responseContent'. If false, it connects to 'not found', 'joinText', and 'get responseContent'. The second 'if' block checks 'responseType' for 'text/html'. If true, it connects to 'joinText', 'joinText', and 'get responseContent'. If false, it connects to 'not found', 'joinText', and 'get responseContent'. The third 'if' block checks 'responseContent' for 'Temperature'. If true, it connects to 'joinText', 'joinText', and 'get responseContent'. If false, it connects to 'not found', 'joinText', and 'get responseContent'. The 'Button1 Click' block contains a 'set \$url to' block pointing to a URL and a 'call \$web1 Get' block. The 'Button2 Click' block contains a 'set \$url to' block pointing to a URL and a 'call \$web1 Get' block. At the bottom left, there are 'Show Warnings' and 'Show Errors' buttons. On the right side, there are icons for a backpack, a target, a plus sign, a minus sign, and a trash can.

Home screen :













MOBILE SCREEN:



CLOUDANT DB:

Log Out



gasmoniter_db

All Documents

Query

Permissions

Changes

Design Documents

Document ID

Options












{ } JSON

Table

Metadata

{ } JSON

Create Document

	id	key	value
<input type="checkbox"/>	 02105e0e7483256f3d9454b6721ef60f	02105e0e7483256f3d9454b6721ef60f	{ "rev": "1-d3162ddba6ceb8ca43786..." }
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