

## PERFORMANCE TESTING

Date	03 November 2022
Team ID	PNT2022TMID41919
Project Name	SmartFarmer – IoT Enabled Smart Farming Application

## NFT – Risk Assessment

S.No	Project Name	Scope /Feature	Functional Changes	Hardware Changes	Software Changes	Impact of Downtime	Load/Volume changes	Risk Score	Justification
1	Smart Farmer	Query Form	Low	No Changes	Low		>5 to 10%	Green	As we seen changes
2	Smart Farmer	Manual Guide	Low	No changes	Low		>5 to 10%	Green	As we seen changes
3	Smart Farmer	Motor on for 30 minutes	High	No changes	Moderate		>5 to 10%	Green	Because it provides new control
4	Smart Farmer	Login	Moderate	No Changes	Low		>5 to 10%	Red	Because it can block certain functional

## NFT – DETAILED PLAN



S.no	Project Overview	NFT Approach	Assumptions/Dependencies/Risks	Approvals/SignOff
1	SmartFarmer	Scalability Testing		Rahul S(Team Lead)



## END OF TEST REPORT


S. No	Project Overview	NF T Test Approach	NFR - Met	Test Outcome	Go/No-Go Decision	Recommendations	Identified Defects (Detected/Closed/Open)	Approvals/ Signoff
1	Smartfarmer	Scalability Testing	Exceptions Satisfied	Cpu Usage, Memory Usage, Startup Time Etc	Go Decision	Nothing	Closed	Rahul(Team Lead)


**Test Reports Attached Below :-** Performance test are tested by using Apptim Software (Default Settings)

# MOBILE 1


 [START FREE TRIAL](#) [My Workspace](#) [Help](#) 



WORKSPACES > SAJUSAJU35641 - PRIVATE > SMARTFRAMAGNII > NOV 19, 2022 20:11  



Users  [+ ADD USER](#)


 SmartFramAgnii v1.0

[SUMMARY](#)

 ENVIRONMENT

 CORRECTNESS 

 ERRORS 

 LOGS

6  
Errors/Exceptions


2.8  
Avg. FPS

230.5 MB  
Max Memory Usage


9.0 MB  
App Size


5.0 %  
Max. CPU


592.0 ms  
Top Startup Time


Video 


3s47ms





Summary 


 Avg. FPS **2.8** (Warning limit exceeded: < 15)


 Max Memory Usage **230.5 MB** (Moderate limit exceeded: > 128 MB)


 Pass


 Skipped

 Duration: 1 minute, 8 seconds

 Start Date: Nov 19, 2022 20:11:25

 End Date: Nov 19, 2022 20:12:33

 Test Session: Smart Farmer MIT

 Device: Oppo CPH1859 📶 9



SmartFramAgnii v1.0



SUMMARY



ENVIRONMENT



CORRECTNESS

1



ERRORS

0



LOGS

## Test Environment



## Oppo CPH1859

Android version:	9
Manufacturer:	OPPO
Model:	CPH1859
CPU Architecture:	arm64-v8a
Number of cores:	8
RAM:	6.00GB

## App Information

Default Label:	SmartFramAgnii
Version Code:	1
Version Name:	1.0
Package:	appinventor.ai_sree73045.SmartFramAgnii
Launch Activity:	appinventor.ai_sree73045.SmartFramAgnii.Screen1
Use large heap:	false
Debuggable:	false

## Screen Information

Screen orientation:	port
Screen resolution:	1080x2160
Layout size:	Normal
Display density:	480dpi (xxhdpi)
LOpenGL ES:	3.2

## App Compatibility

Min API Level:	10
Target API Level:	31
Max API Level:	Undefined
Native CPU architectures:	No
Screens:	small normal large xlarge
Support Any Density:	true



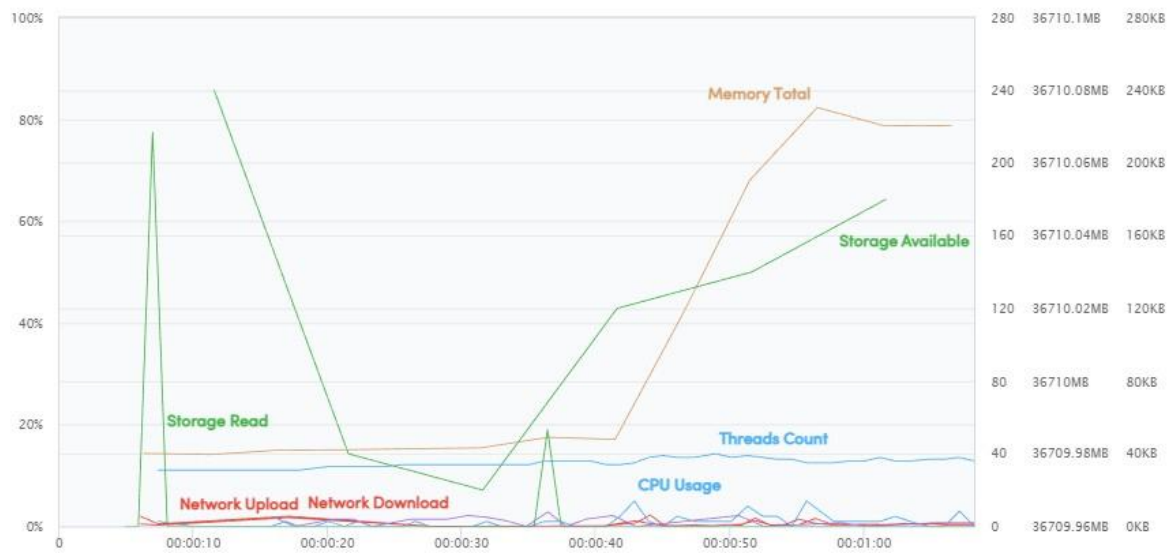
## Resources

Select charts mode

Single

Multiple

Click and drag to filter.



Marks

No marks found for this session.

CPU

Memory


Render

Network

Storage



# MOBILE 2



START FREE TRIAL

My Workspace

Help

WORKSPACES > SAJUSAJU35641 - PRIVATE > SMARTFRAMAGNII > NOV 19, 2022 20:16

Users 

+ ADD USER

SmartFramAgnii v1.0

SUMMARY

ENVIRONMENT

CORRECTNESS

ERRORS

LOGS

9  
Errors/Exceptions

2.6  
Avg. FPS

257.5 MB  
Max Memory Usage

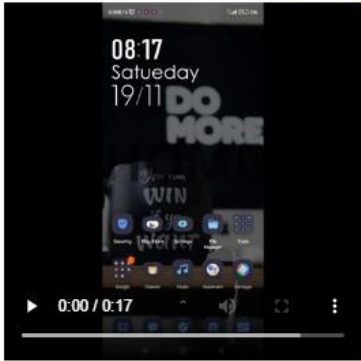
9.0 MB  
App Size

4.0 %  
Max. CPU

1222.0 ms  
Top Startup Time

Video

3s/97ms



Summary

Pass

Moderate

Warning

Skipped

! Avg. FPS 2.6 (Warning limit exceeded: < 15 )

! Max Memory Usage 257.5 MB (Warning limit exceeded: > 256 MB)

✓ Pass

✓ Skipped

⌚ Duration: 1 minute, 5 seconds

📅 Start Date: Nov 19, 2022 20:16:59

📅 End Date: Nov 19, 2022 20:18:04

📄 Test Session: Smart Farmer MIT

📱 Device: POCO POCO M2 Pro 12



SmartFramAgnii v1.0

SUMMARY

ENVIRONMENT

CORRECTNESS 1

ERRORS 9

LOGS

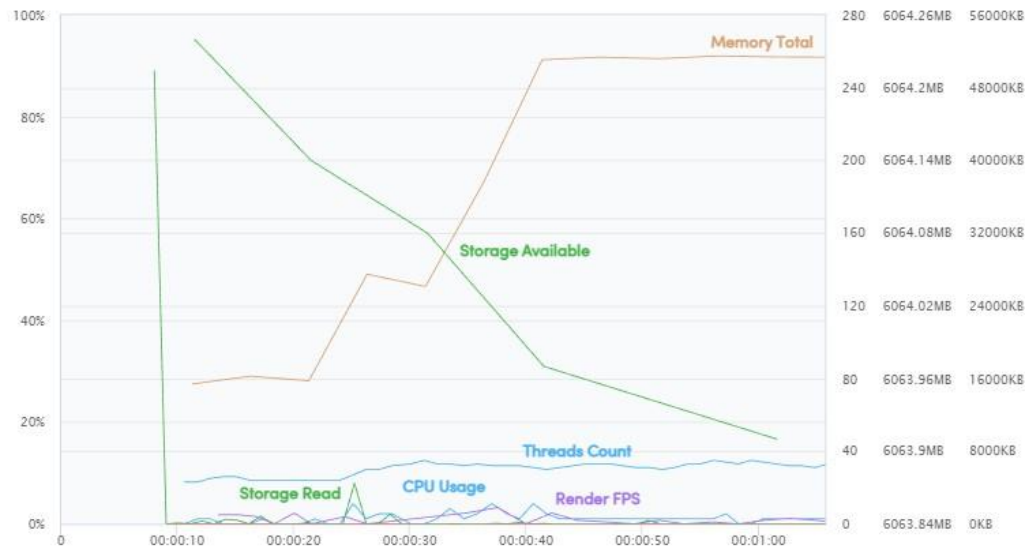
## Resources

Select charts mode

Single

Multiple

Click and drag to filter.



- Marks
- No marks found for this session.
- ☒ CPU
  - ☐ Memory
  - ☐ Render
  - ☒ Network
  - ☒ Storage







SmartFramAgnii v1.0



SUMMARY



ENVIRONMENT



CORRECTNESS

1



ERRORS

8



LOGS

## Test Environment



## POCO POCO M2 Pro

Android version:	12
Manufacturer:	Xiaomi
Model:	POCO M2 Pro
CPU Architecture:	arm64-v8a
Number of cores:	8
RAM:	3.76GB

## App Information

Default Label:	SmartFramAgnii
Version Code:	1
Version Name:	1.0
Package:	appinventor.ai_sree73045.SmartFramAgnii
Launch Activity:	appinventor.ai_sree73045.SmartFramAgnii.Screen1
Use large heap:	false
Debuggable:	false

## Screen Information

Screen orientation:	port
Screen resolution:	1080x2400
Layout size:	Normal
Display density:	440dpi (440?)
LOpenGL ES:	3.2

## App Compatibility

Min API Level:	10
Target API Level:	31
Max API Level:	Undefined
Native CPU architectures:	No
Screens:	small normal large xlarge
Support Any Density:	true

