

Performance Testing

Date	18 November 2022
Team ID	PNT2022TMID42723
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		Shanmugam(Team Lead)



END OF TEST REPORT


S. No	Project Overview	NFT 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	Shanmugam (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



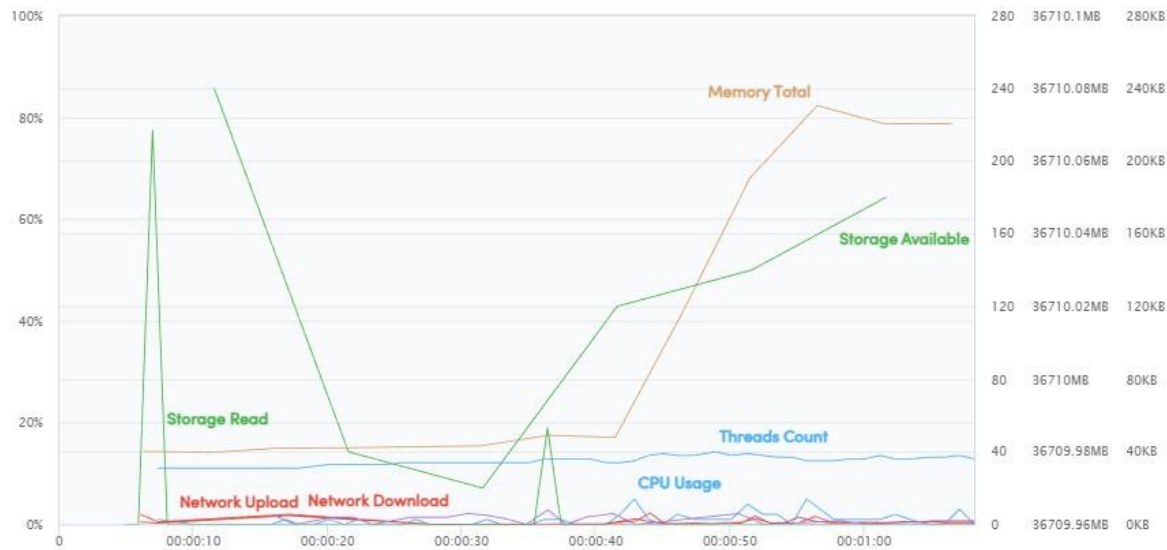
Resources

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 8

LOGS

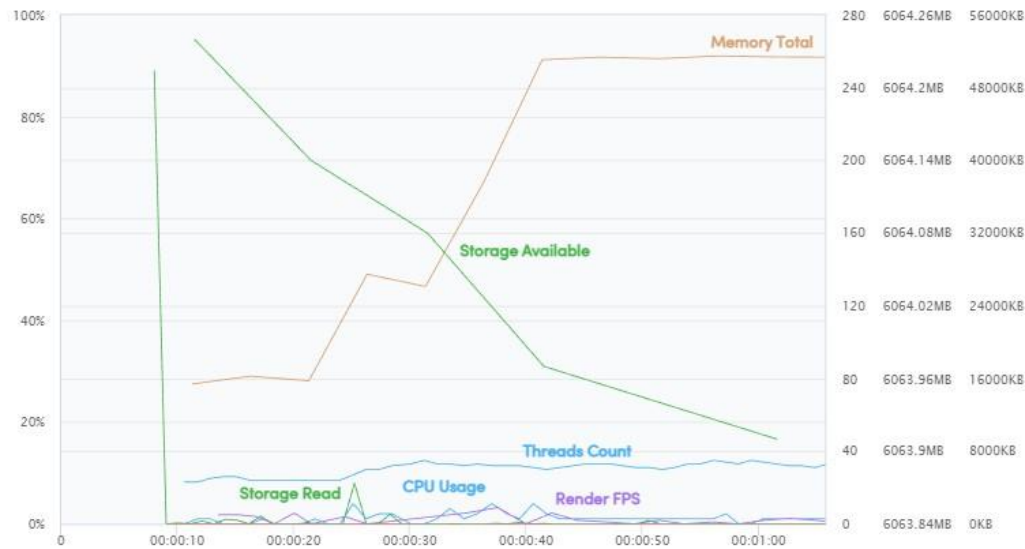
Resources

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