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TASK #3: CREATE MOCK OF TESTING STRATEGY FOR ANDROID AVAST CLEANUP WITH VERSION 2.0.2

1. DEFINE SEPARATE PARTS AND DESCRIBE HOW THEY WORKS.

    A. MORE BY AVAST: download, install, and execute APPs of AVAST.

    B. TOOLS: show statistics summary, provide help/feedback and settings.

    C. STORAGE: execute safe cleaning.

    D. MEDIA & FILES: files category and classification, upload files to cloud services.

    E. APPs: uninstall APPs and delete APP data.

2. DEFINE RISKS FOR EACH PART.

Risks	Probability	Impact	Overall Risk
A. abort or crash.	L	M	L
B. settings interaction and failed.	M	H	H
C. accuracy and performance.	H	M	H
D. category and classification misleading.	L	M	M
E. residual folders and files.	L	L	L

H: High, M: Medium, L: Low

3. DEFINE TESTS

Tests	How	What (M/A)
Initialization	Capture time duration when Cleanup begins to ready.	A
Loading	Capture memory and CPU usage during Cleanup execution.	A
Setting combination	Trace all settings combination.	A

Smoothing	Swipe and click items.	A
Install AVAST APP	Click items in APPs frame to download and install.	A
Performance of cleaning	Capture time duration during cleaning.	A
Performance of storage analysis	Capture time duration during storage analysis.	A
Stress test of cleaning	Click button of safe clean repeatedly.	A
Notification trigger	Make situations to meet the trigger criteria.	A
Data transferring	Login, upload and logout of Google Drive, Dropbox, and OneDrive.	A
Server connection	Check server connection with packet transmitting.	A
Category and classification	Create various files with different type and size.	A
File operations	Click action item of files.	A
APP/File sorting	Test the order sort by click attributes	A
APP management	Uninstall APP and delete APP data.	A
Size consistency	Compare size of APP and file with system tools.	A
Reset statistics	Click reset button and set to zero.	A
Process switch overhead	Switch status of Cleanup between active and passive.	A
Power consuming	Record power consuming status.	A

M: Manually, A: Automatically